



Alimentatori & UPS

Power supplies & UPS





Filtri di rete e soppressori

Power line filters and suppressors

DETAS

Sistemi di connessione

Connection systems





Dispositivi luminosi

Lighting devices





CATALOGO GENERALE 2026

GENERAL CATALOGUE 2026

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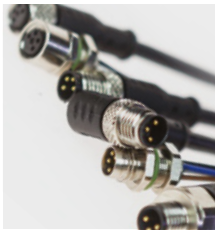
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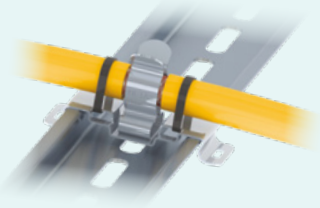
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for electrical engineering
and power electronics







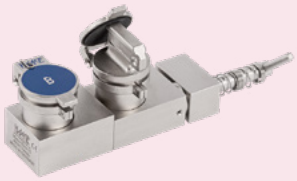
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138 Barre, tappeti, bumper
e interblocchi di sicurezza
a chiave codificata
Edges, mats, bumpers
and safety interlocks











LEGENDA DELLE CERTIFICAZIONI - *Certification legend*

CE	Il marchio attesta che il prodotto è conforme ai requisiti stabiliti dall'Unione Europea in materia di sicurezza, salute e tutela dell'ambiente. È obbligatorio per tutti i prodotti commercializzati nell'UE.	*The marking certifies that the product is compliant with the requirements established by the European Union regarding safety, health, and environmental protection. It is mandatory for all products marketed within the EU.*
c UL us LISTED c UR us	Underwriters Laboratories è un ente indipendente che sviluppa standard e test per prodotti, materiali, componenti e strumenti per il mercato statunitense (e canadese se indicato), con particolare riguardo alla sicurezza. Il marchio UL Listed si applica a prodotti finiti, UR (Recognized Component) a componenti destinati a sistemi certificati. Sono obbligatori per i prodotti destinati al mercato USA in ambito elettrico ed elettronico.	*Underwriters Laboratories is an independent organization that develops standards and testing procedures for products, materials, components, and equipment intended for the U.S. market (and the Canadian market, when specified), with a particular focus on safety. The UL Listed mark applies to finished products, while the UR (Recognized Component) mark is assigned to components intended for use within certified systems. These certifications are mandatory for electrical and electronic products intended for the U.S. market.*
EN 60950-1	Il prodotto è stato testato da enti certificati TÜV che ne garantiscono sicurezza e qualità in conformità alle normative internazionali. Il marchio TÜV è riconosciuto a livello globale per i prodotti destinati ai mercati europei e internazionali.	*The product has been tested by TÜV-certified laboratories, ensuring its safety and quality in accordance with international standards. The TÜV mark is globally recognised for products intended for both European and international markets.*
SELV	Prodotto dotato di sistema SELV (Safety Extra-Low Voltage), tra i più sicuri in ambito elettrico grazie alla combinazione di bassa tensione, isolamento di base e separazione protettiva.	*Product equipped with SELV (Safety Extra-Low Voltage) system, one of the safest electrical systems thanks to the combination of low voltage, basic insulation and protective separation.*
III	La Classe di isolamento III comprende dispositivi alimentati esclusivamente a bassissima tensione di sicurezza, senza rischio di scossa elettrica. Non richiedono collegamento a terra né ulteriori misure di protezione contro i contatti diretti.	*Insulation class III includes devices powered exclusively by Safety Extra-Low Voltage, with no risk of electric shock. They do not require grounding or additional protection against direct contact.*
FC	Certifica che l'interferenza elettromagnetica dal dispositivo rispetta i limiti approvati dalla Commissione federale per le comunicazioni su prodotti elettrici fabbricati e prodotti negli Stati Uniti d'America.	*Mark used on electronic products manufactured or sold in the United States. It certifies that the electromagnetic interference from the device complies with limits approved by the Federal Communications Commission.*
RoHS COMPLIANT	La marcatura, su base volontaria, afferma esplicitamente la conformità dei prodotti ai limiti delle sei le sostanze potenzialmente tossiche regolamentate dalla direttiva RoHS.	*The marking, on a voluntary basis, explicitly states the conformity of the products to the limits of the six potentially toxic substances regulated by the RoHS directive.*
Pb LEAD FREE	L'apposizione di questo marchio, conforme alla Direttiva RoHS, attesta che il prodotto è privo di piombo, un metallo pesante nocivo per la salute umana e l'ambiente.	*The affixing of this mark, in compliance with the RoHS Directive, confirms that the product is free from lead, a heavy metal hazardous to human health and the environment.*
	Il prodotto non va smaltito come rifiuto indifferenziato ma deve essere inviato ad apposite strutture per il recupero e riciclaggio. Il marchio RAEE deve figurare su tutte le apparecchiature elettriche ed elettroniche immesse sul mercato UE.	*The product must not be disposed of as unsorted waste, but must be sent to appropriate collection facilities for recovery and recycling. The WEEE mark must appear on all electrical and electronic equipment placed on the EU market.*

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LEGENDA DEI CODICI IP - *IP ratings legend*

Il codice IP (o grado di protezione) è definito dallo standard IEC 60529 e indica il livello di protezione degli involucri meccanici contro l'ingresso di corpi solidi e liquidi. Classifica l'efficacia delle protezioni meccaniche ed elettriche verso agenti esterni come polvere e acqua.

The IP code (or IP protection degree) is defined by the IEC 60529 standard and indicates the level of protection provided by enclosures against the intrusion of solid objects and liquids. It classifies the effectiveness of mechanical and electrical protection against external agents such as dust and water.



La prima cifra indica il livello di protezione che l'involucro fornisce contro l'accesso di parti pericolose (ad esempio conduttori elettrici o parti mobili) e l'ingresso di oggetti solidi estranei.

The first digit indicates the level of protection the enclosure provides against access by hazardous parts (e.g. electrical conductors or moving parts) and the ingress of solid foreign objects.

La seconda cifra indica il livello di protezione che l'involucro fornisce contro l'accesso di liquidi.

The second digit indicates the level of protection the enclosure provides against liquid ingress.

IP0x	Non protetto dal contatto e dall'ingresso di oggetti. *Not protected from contact and ingress of objects*
IP1x	Protetto contro corpi solidi di dimensioni superiori a 50 mm. *Protected against solid objects larger than 50 mm.*
IP2x	Protetto contro corpi solidi di dimensioni superiori a 12 mm. *Protected against solid objects larger than 12 mm.*
IP3x	Protetto contro corpi solidi di dimensioni superiori a 2,5 mm. *Protected against solid objects larger than 2,5 mm.*
IP4x	Protetto contro corpi solidi di dimensioni superiori a 1 mm. *Protected against solid objects larger than 1 mm.*
IP5x	Protetto contro la polvere. *Protected against dust.*
IP6x	A tenuta di polvere. *Dustproof.*

IPx0	Non protetto. *Unprotected.*
IPx1	Protetto da caduta verticale di gocce d'acqua. *Protected from vertically falling drops of water.*
IPx2	Protetto da caduta di gocce d'acqua con inclinazione massima 15°. *Protected from falling water drops with a maximum inclination of 15°.*
IPx3	Protetto dalla pioggia. *Protected from the rain.*
IPx4	Protetto da spruzzi. *Splash-proof.*
IPx5	Protetto da getti d'acqua. *Protected from water jets.*
IPx6	Protetto da getti d'acqua potenti. *Protected from powerful water jets.*
IPx7	Protetto da immersione temporanea. *Protected from temporary immersion.*
IPx8	Protetto da immersione permanente. *Protected from permanent immersion.*
IPx9	Protetto contro i getti d'acqua ad alta pressione e a temperatura elevata. *Protected against high pressure and high temperature water jets.*
IPx9K	Protezione contro l'acqua nel caso di pulizia a vapore / ed alla pressione, vale solo per veicoli stradali. *Protection against water in the case of steam / pressure cleaning, only valid for road vehicles.*

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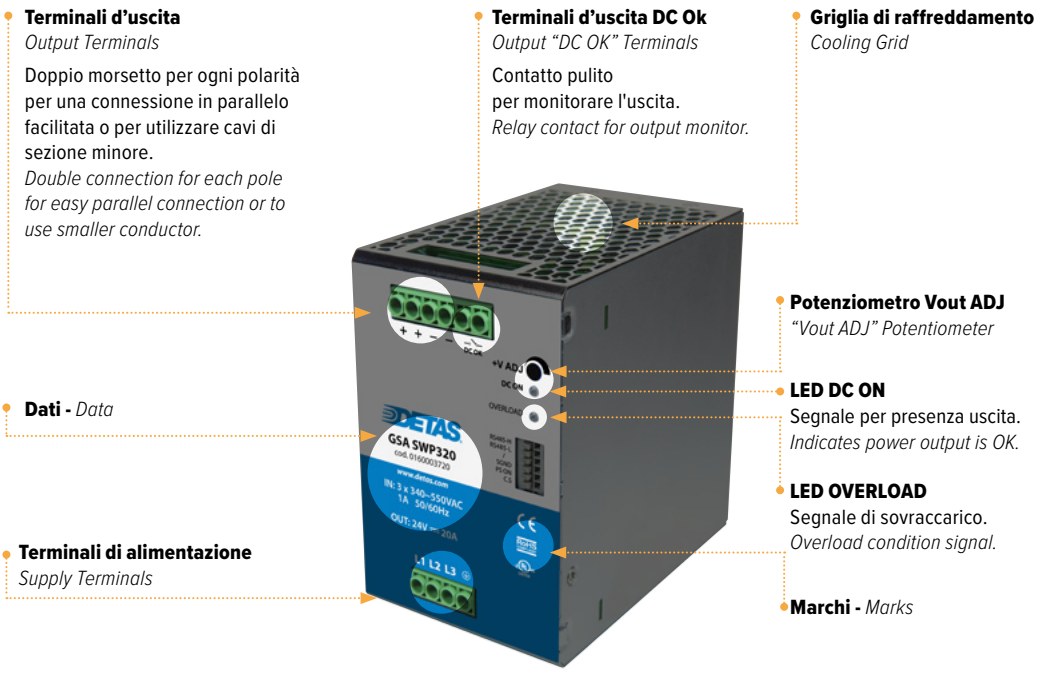
ALIMENTATORI E UPS

Power supplies and UPS



ALIMENTATORI STABILIZZATI SWITCHING AC/DC

AC/DC switching power supplies



	MODELLI *Models*	Codice *Code*	Tensione d'ingresso *Input voltage*	Tensione di uscita *Output voltage*	Potenza di uscita *Output Wattage*	Corrente di uscita *Output current*	PCF attivo *Active PFC*
Monofase *Single-phase*	**GSA SWD01/24**	0160002301	90÷265 VAC	24 VDC	30 W	1250 mA	☐
	GSA SWNP02/24	0160002602	90÷264 VAC	24 VDC	48 W	2 A	☐
	GSA SWNR03/24	0160004603	90÷264 VAC	24 VDC	72 W	3 A	☐
	GSA SWNP03/24	0160002603	90÷264 VAC	24 VDC	75 W	3 A	☐
	GSA SWNP03/12	0160002670	90÷264 VAC	12 VDC	75 W	6.3 A	☐
	GSA SWNP05/24	0160002665	90÷264 VAC	24 VDC	120 W	5 A	☐
	GSA SWP05/24	0160002605	85÷264 VAC	24 VDC	120 W	5 A	☑
	GSA SWP05/12	0160002606	85÷264 VAC	12 VDC	120 W	10 A	☑
	GSA SWR10/24	0160004610	90÷264 VAC	24 VDC	240 W	10 A	☑
	GSA SWP10/24	0160002610	85÷264 VAC	24 VDC	240 W	10 A	☑
	GSA SWP10/48	0160002618	85÷264 VAC	48 VDC	240 W	5 A	☑
	GSA SWP20/24	0160002620	85÷264 VAC	24 VDC	480 W	20 A	☑
	GSA SWP20/48	0160002628	85÷264 VAC	48 VDC	480 W	10 A	☑
Mono-bifase *Single/Two phase*	**GSA SWNP205/24**	0160003685	1/2 fasi *phases* 180÷600 VAC	24 VDC	120 W	5 A	☐
	GSA SWR210/24	0160004695	1/2 fasi *phases* 180÷550 VAC	24 VDC	240 W	10 A	☑
Trifase *Three-phase*	**GSA SWP310/24**	0160003710	3 fasi *phases* 320÷600 VAC 2 fasi *phases* 320÷600 VAC	24 VDC	240 W 168 W	10 A 7 A	☑
	GSA SWP320/24	0160003720	3 fasi *phases* 340÷550 VAC 2 fasi *phases* 340÷550 VAC	24 VDC	480 W 360 W	20 A 15 A	☑
	GSA SWP340/24	0160003740	3 fasi *phases* 320÷600 VAC 2 fasi *phases* 320÷600 VAC	24 VDC	960 W 720 W	40 A 30 A	☑

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GSA SWD01

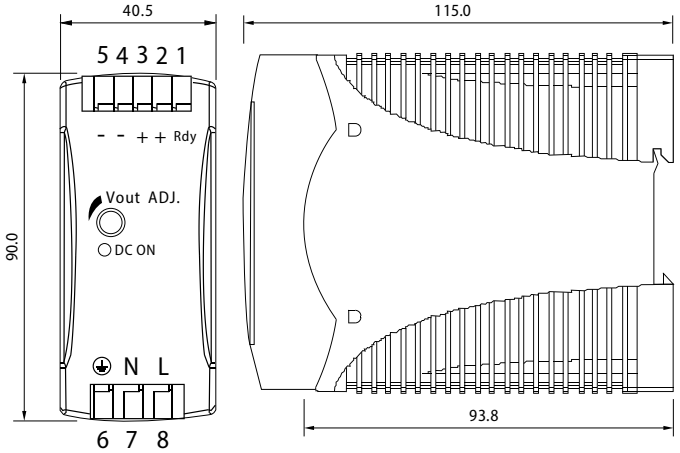
Ingresso universale 90÷265 VAC.
Efficienza fino all'84%.
Protezione da corto circuito.
Filtro d'ingresso interno.
UL / cUL / TUV / CE.

Universal input 90÷265 VAC.
Efficiency up to 84%.
Short circuit protection.
Internal input filter.
UL / cUL / TUV / CE.



MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Efficienza** - *Efficiency*	
						min.	**typ.**
GSA SWD01/24	0160002301	90÷265 VAC	30 W	24 VDC	1250 mA	82%	84%

CARATTERISTICHE MECCANICHE - *Mechanical features*	
Dimensioni [mm] - *Case size [mm]*	40.5 x 90 x 115
Materiale custodia - *Case material*	Plastica - *Plastic*
Peso - *Weight*	290 g



CONFIGURAZIONE PIN - *Pin assignment*			
Pin	**Denominazione** *Designation*		**Descrizione** - *Description*
1	OUT	**RDY**	Uscita statica DC OK per relè (non connettere ad eccezione del modello 24V) - *DC OK static output for relay (do not connect except 24V model)*
2	OUT	**+**	Terminale positivo d'uscita *Positive output terminal*
3	OUT	**+**	Terminale positivo d'uscita *Positive output terminal*
4	OUT	**-**	Terminale negativo d'uscita *Negative output terminal*
5	OUT	**-**	Terminale negativo d'uscita *Negative output terminal*
6	IN	⏚	Terminale di terra, collegare per minimizzare le emissioni ad alta frequenza *Ground terminal to minimize high-frequency emissions*
7	IN	**N**	Terminale ingresso neutro (senza polarità in ingresso DC) - *Input terminal (neutral conductor, no polarity at DC input)*
8	IN	**L**	Terminale ingresso fase (senza polarità in ingresso DC) - *Input terminal (phase conductor, no polarity at DC input)*
		Vout ADJ.	Potenziometro di regolazione uscita *Trimmer for Vout adjustment*
		DC ON	LED indicatore di funzionamento *Operating indicator LED*

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GSA SWNP02

Tensione di alimentazione universale 90-264 VAC (120-370 VDC).
Temperatura di funzionamento: -40°C... +70°C.
Alta densità di potenza.
Elevata corrente di picco (150% della corrente nominale).
Elevata tensione di prova di isolamento I/O di 3000 VAC.
Sistema SELV.

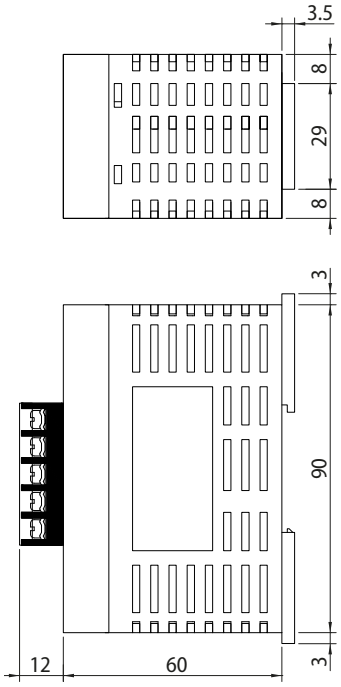
Universal power supply voltage 90-264 VAC (120-370 VDC).
Operating temperature: -40°C... +70°C.
High power density.
High peak current (150% of the rated current).
High I/O insulation test voltage of 3000 VAC.
SELV system.



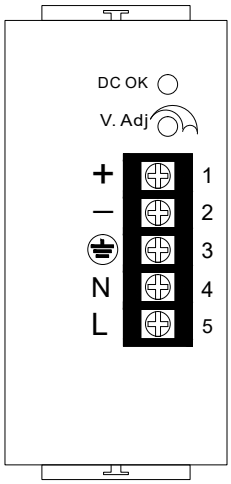
MODELLI *Models*	Codice *Code*	Tensione d'ingresso *Input voltage*	Potenza d'uscita *Output wattage*	Tensione d'uscita *Output voltage*	Corrente d'uscita *Output current*	Fattore di potenza *Power factor*	Efficienza *Efficiency*
GSA SWNP02/24	0160002602	90÷264 VAC	48 W	24 VDC	2 A	0,60	85%

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	46 x 96 x 75,5
Materiale custodia - *Case material*	Plastica - *Plastic*
Peso - *Weight*	230 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT +V
2	DC OUTPUT –V
3	⏚
4	N (AC) / + (DC)
5	L (AC) / – (DC)

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GSA SWNR03

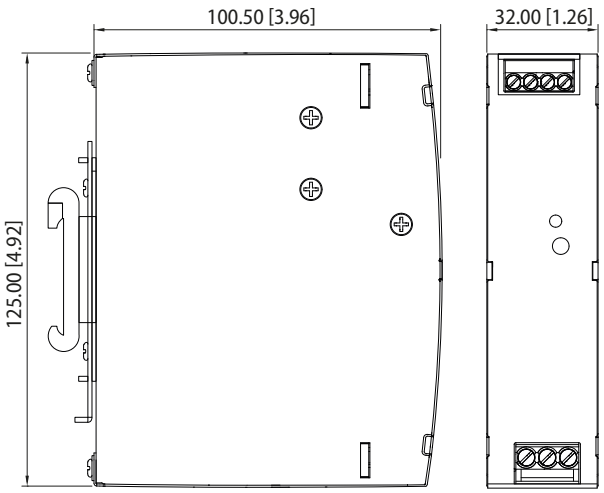
Adatto ad un'ampia gamma di impieghi industriali
Tensione di alimentazione universale 90-264 VAC (120-370 VDC).
Temperatura di funzionamento: -20°C... +70°C.
Tensione di uscita con ondulazione e rumore bassi.
Protezione da sovraccarico con circuito a corrente costante.
Sistema SELV.

Suitable for a wide range of industrial applications.
Universal power supply voltage 90-264 VAC (120-370 VDC).
Operating temperature: -30°C... +70°C.
Output voltage with low ripple and low noise.
Overload protection with constant current circuit.
SELV system.

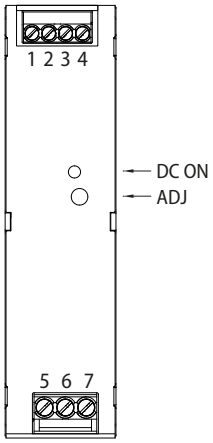


MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWNR03/24	0160004603	90÷264 VAC	72 W	24 VDC	3 A	0,60	>88%

CARATTERISTICHE MECCANICHE - *Mechanical features*	
Dimensioni [mm] - *Case size [mm]*	32 x 125 x 100,5
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	400 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	DC OUTPUT +V
4	
5	⏚
6	N (AC) / – (DC)
7	L (AC) / + (DC)

5 deve essere collegato a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

5 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWNP03

Tensione di alimentazione universale 90-264 VAC (120-370 VDC).
Temperatura di funzionamento: -30°C... +70°C.
Tensione di uscita con ondulazione e rumore bassi.
Protezione da sovraccarico con circuito a corrente costante.
Elevata tensione di prova di isolamento I/O di 4000 VAC.
Sistema SELV.

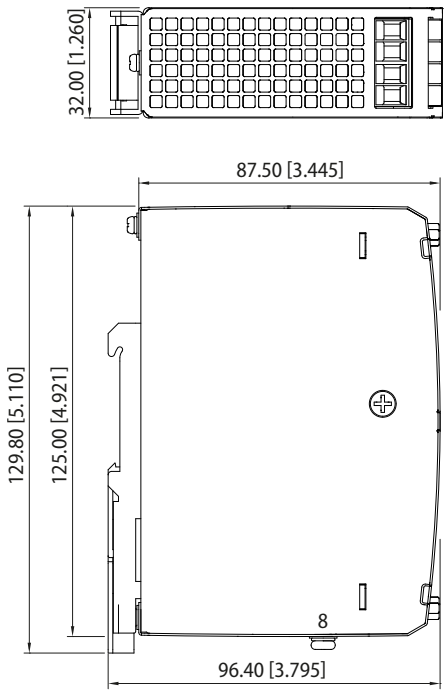
Universal power supply voltage 90-264 VAC (120-370 VDC).
Operating temperature: -30°C... +70°C.
Output voltage with low ripple and low noise.
Overload protection with constant current circuit.
High I/O insulation test voltage of 4000 VAC.
SELV system.



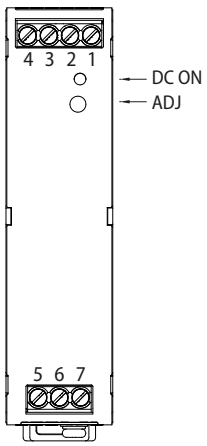
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWNP03/24	0160002603	90÷264 VAC	75 W	24 VDC	3 A	0,60	89%
GSA SWNP03/12	0160002670			12 VDC	6.3 A		86%

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	32 x 125 x 87,5
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	350 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	DC OUTPUT +V
4	
5	N (AC) / + (DC)
6	L (AC) / – (DC)
7	⏚

7 - 8 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

7 - 8 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWNP05

Tensione di alimentazione universale 90-264 VAC (127-370 VDC).
Design ultra sottile con solo 32 mm di larghezza.
Protezione da sovraccarico con circuito a corrente costante.
Temperatura di funzionamento: -20°C... +60°C.
Tensione di uscita con ondulazione e rumore bassi.
Elevata tensione di prova di isolamento I/O di 4000 VAC.
Sistema SELV.

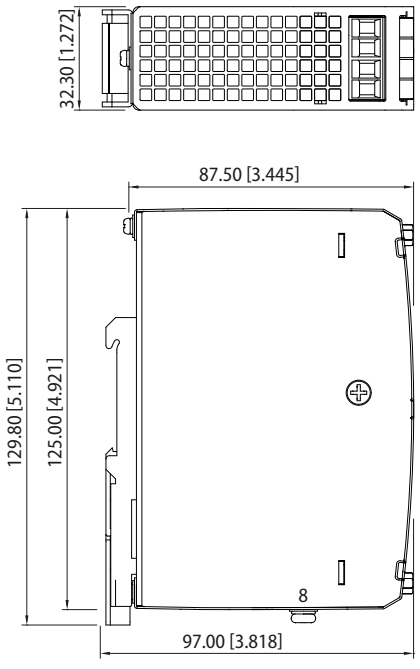
Universal power supply voltage 90-264 VAC (127-370 VDC).
Ultra slim design with only 32 mm width.
Operating temperature: -20°C... +60°C.
Output voltage with low ripple and low noise.
Overload protection with constant current circuit.
High I/O insulation test voltage of 4000 VAC.
SELV system.



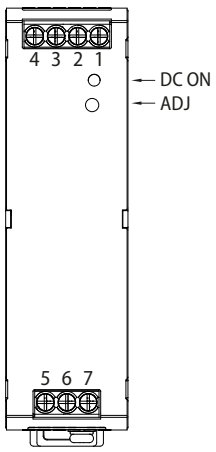
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Efficienza** *Efficiency*
GSA SWNP05/24	0160002665	90÷264 VAC	120 W	24 VDC	5 A	88%

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	32.3 x 125 x 97
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	410 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	DC OUTPUT +V
4	
5	N (AC) / + (DC)
6	L (AC) / – (DC)
7	⏚

7 - 8 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

7 - 8 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWP05

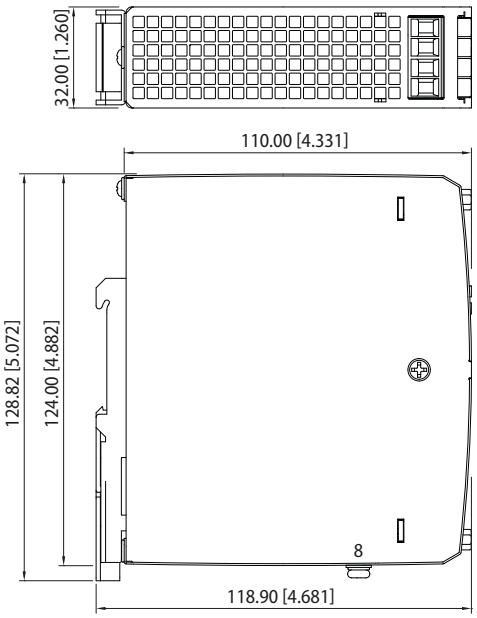
Elevata efficienza fino al 94%.
Elevata corrente di picco (150% della corrente nominale per 3 secondi).
Design ultra sottile con solo 32 mm di larghezza.
Temperatura di funzionamento: -40°C... +70°C.
PFC attivo.
Sistema SELV.
Tensione di alimentazione universale 85-264 VAC (127-370 VDC).
Protezione da sovraccarico con circuito a corrente costante.

High efficiency up to 94%.
High peak current (150% of the rated current for 3 seconds).
Ultra slim design with only 32 mm width.
Operating temperature: -40°C... +70°C.
Active PFC function.
SELV system.
Universal power supply voltage 85-264 VAC (127-370 VDC).
Overload protection with constant current circuit.

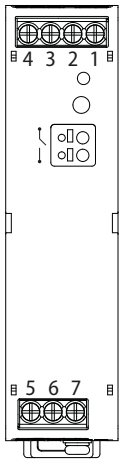


MODELLI *Models*	Codice *Code*	Tensione d'ingresso *Input voltage*	Potenza d'uscita *Output wattage*	Tensione d'uscita *Output voltage*	Corrente d'uscita *Output current*	Fattore di potenza *Power factor*	Efficienza *Efficiency*
GSA SWP05/24	0160002605	85÷264 VAC	120 W	24 VDC	5 A	0,94	>94%
GSA SWP05/12	0160002606			12 VDC	10 A		>93,5%

CARATTERISTICHE MECCANICHE - *Mechanical features*	
Dimensioni [mm] - *Case size [mm]*	32 x 124 x 110
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	490 g



CONFIGURAZIONE PIN - *Pin assignment*



- DC ON
- ADJ
- DC OK
  - Contatto chiuso: uscita ON
  - Contatto aperto: uscita OFF, uscita in cortocircuito
  - *Contact closed: output ON*
  - *Contact open: output OFF, output short-circuited*

PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	DC OUTPUT +V
4	
5	N (AC) / + (DC)
6	L (AC) / – (DC)
7	⏚
DC OK	⊷

7 - 8 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

7 - 8 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWR10

Adatto ad un'ampia gamma di impieghi industriali.
Tensione di alimentazione universale 90-264 VAC (127-370 VDC).
Temperatura di funzionamento: -20°C... +70°C.
Tensione di uscita con ondulazione e rumore bassi.
Protezione da sovraccarico con circuito a corrente costante.
PFC attivo.
Sistema SELV.

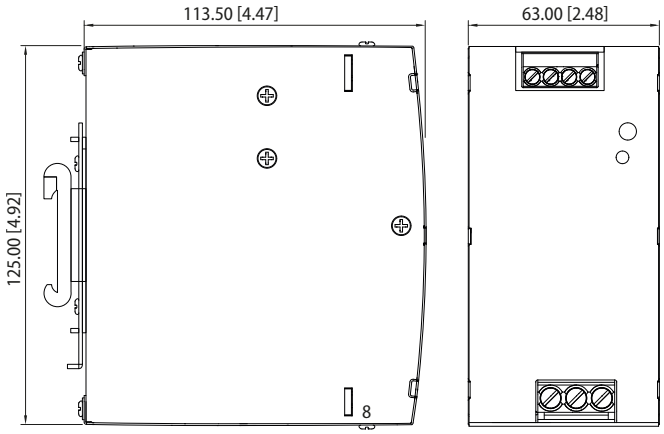
Suitable for a wide range of industrial applications.
Universal power supply voltage 90-264 VAC (127-370 VDC).
Operating temperature: -20°C... +70°C.
Output voltage with low ripple and low noise.
Overload protection with constant current circuit.
Active PFC function.
SELV system.



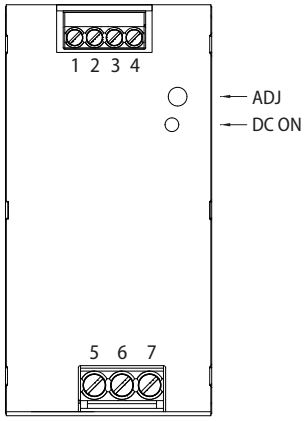
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWR10/24	0160004610	90÷264 VAC	240 W	24 VDC	10 A	0,94	>88%

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	63 x 125 x 113.5
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	900 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	DC OUTPUT +V
4	
5	⏚
6	N (AC) / – (DC)
7	L (AC) / + (DC)

5 - 8 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

5 - 8 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWP10

Elevata efficienza fino al 94%.
Elevata corrente di picco (150% della corrente nominale per 3 secondi).
Design ultra sottile con solo 41 mm di larghezza.
Temperatura di funzionamento: -40°C... +70°C.
PFC attivo.
Sistema SELV.
Tensione di alimentazione universale 85-264 VAC (127-370 VDC).
Protezione da sovraccarico con circuito a corrente costante.

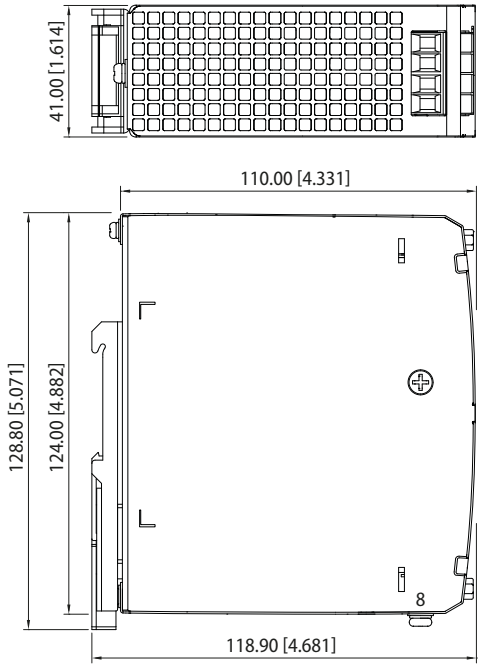
High efficiency up to 94%.
High peak current (150% of the rated current for 3 seconds).
Ultra slim design with only 41 mm width.
Operating temperature: -40°C... +70°C.
Active PFC function.
SELV system.
Universal power supply voltage 85-264 VAC (127-370 VDC).
Overload protection with constant current circuit.



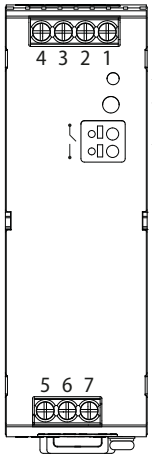
MODELLI *Models*	Codice *Code*	Tensione d'ingresso *Input voltage*	Potenza d'uscita *Output wattage*	Tensione d'uscita *Output voltage*	Corrente d'uscita *Output current*	Fattore di potenza *Power factor*	Efficienza *Efficiency*
GSA SWP10/24	0160002610	85÷264 VAC	240 W	24 VDC	10 A	0,94	>94%
GSA SWP10/48	0160002618			48 VDC	5 A		

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	41 x 124 x 110
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	650 g



CONFIGURAZIONE PIN - *Pin assignment*



- DC ON
- ADJ
- DC OK
  - Contatto chiuso: uscita ON
  - Contatto aperto: uscita OFF, uscita in cortocircuito
  - *Contact closed: output ON*
  - *Contact open: output OFF, output short-circuited*

PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	DC OUTPUT +V
4	
5	N (AC) / + (DC)
6	L (AC) / – (DC)
7	⏚
DC OK	⊷

7 - 8 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

7 - 8 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWP20

Elevata efficienza fino al 94%.
Elevata corrente di picco (140% della corrente nominale per 3 secondi).
Design ultra sottile con solo 48 mm di larghezza.
Temperatura di funzionamento: -40°C... +70°C.
PFC attivo.
Sistema SELV.
Tensione di alimentazione universale 85-264 VAC (127-370 VDC).
Protezione da sovraccarico con circuito a corrente costante.

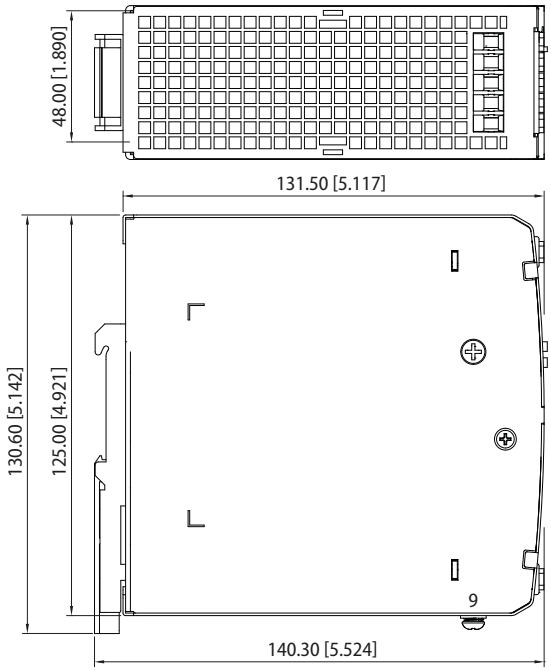
High efficiency up to 94%.
High peak current (140% of the rated current for 3 seconds).
Ultra slim design with only 48 mm width.
Operating temperature: -40°C... +70°C.
Active PFC function.
SELV system.
Universal power supply voltage 85-264 VAC (127-370 VDC).
Overload protection with constant current circuit.



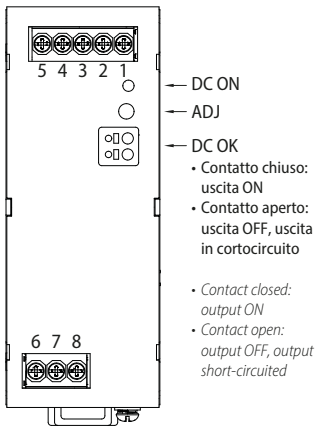
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP20/24	0160002620	85÷264 VAC	480 W	24 VDC	20 A	0,95	>94%
GSA SWP20/48	0160002628			48 VDC	10 A		

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	48 x 125 x 131.5
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	980 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT –V
2	
3	
4	DC OUTPUT +V
5	
6	N (AC) / + (DC)
7	L (AC) / – (DC)
8	⏚
DC OK	⊷

8 - 9 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

8 - 9 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWP205

Monofase - bifase 180÷600 VAC (254 - 848 VDC).
Temperatura di funzionamento: -25°C... +70°C.
Elevata corrente di picco (150% della corrente nominale per 3 secondi).
Elevata efficienza fino al 91%.
Elevata tensione di prova di isolamento I/O di 4000 VAC.
Sistema SELV.
Tensione di uscita con ondulazione e rumore bassi.
Utilizzabile in applicazioni industriali, sistemi di telecomunicazione ecc.
Su richiesta versione Vout 48 VDC.

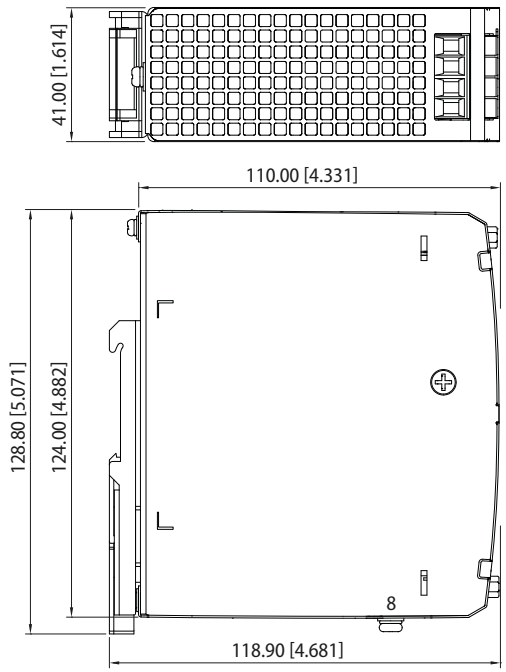
Single-phase, two-phase 180÷600 VAC (254 - 848 VDC).
Operating temperature: -25°C... +70°C.
High peak current (150% of the rated current for 3 seconds).
High efficiency up to 91%.
High I/O insulation test voltage of 4000 VAC.
SELV system.
Output voltage with low ripple and low noise.
Usable in industrial applications, telecommunication systems etc.
Available on request 48 VDC output.



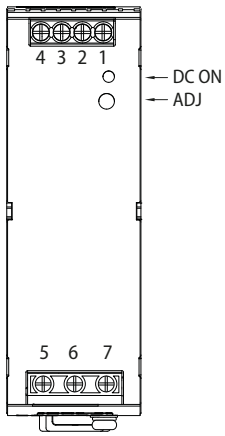
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Efficienza** - *Efficiency*
GSA SWP205/24	0160003685	1/2 fasi *(phases)* 180÷600 VAC	120 W	24 VDC	5 A	91%

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	41 x 124 x 110
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	550 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OUTPUT +V
2	DC OUTPUT –V
3	DC OK
4	
5	L1 (AC) / + (DC)
6	L2 (AC) / – (DC)
7	⏚

7 - 8 devono essere collegati a terra ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

7 - 8 must be grounded ⏚

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWR210

Monofase e Bifase.
Tensione di ingresso con ampio intervallo di funzionamento: 180÷550 VAC (254÷780 VDC).
Temperatura di funzionamento: -30°C... +70C.
Elevata efficienza fino al 91%.
PFC attivo.
Protezione da sovraccarico con circuito a corrente costante.
Tensione di uscita con ondulazione e rumore bassi.
Utilizzabile in applicazioni industriali,
sistemi di telecomunicazione e energie rinnovabili.

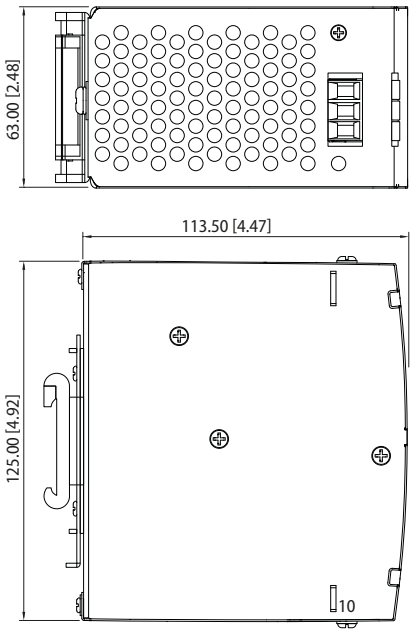
Single-phase and Two-phase.
Wide operating range input voltage: 180÷550 VAC (254÷780 VDC).
Operating temperature: -30°C... +70°C.
High efficiency up to 91%.
Active PFC function.
Overload protection with constant current circuit.
Output voltage with low ripple and low noise.
Usable in industrial applications, telecommunication systems and renewable energy.



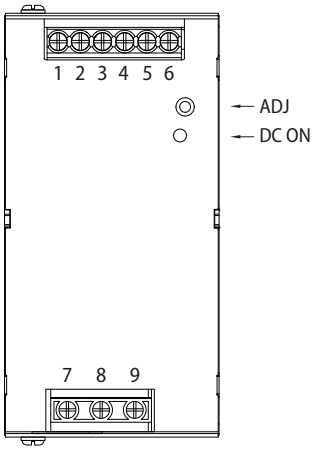
MODELLI *Models*	Codice *Code*	Tensione d'ingresso *Input voltage*	Potenza d'uscita *Output wattage*	Tensione d'uscita *Output voltage*	Corrente d'uscita *Output current*	Efficienza *Efficiency*
GSA SWR210/24	0160004695	1/2 fasi *(phases)* 180÷550 VAC	240 W	24 VDC	10 A	91%

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	63 x 125 x 113.5
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	950 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OK
2	
3	DC OUTPUT +V
4	
5	DC OUTPUT –V
6	
7	⏚
8	L2 / N (AC)
9	L1 / L (AC)

7 - 10 devono essere collegati a terra ⏚

7 - 10 must be grounded ⏚

Note
Unità: mm [pollici].
DC OK: Indicatore di stato di uscita LED e contatto relè.
ADJ: Regolazione tensione in uscita

Note
Unit: mm [inch].
DC OK: Output status indicator LED & Relay Contact.
ADJ: Output adjustable regulation

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GSA SWP310

Tensione di ingresso con ampio intervallo di funzionamento:
2/3 fasi 320÷600 VAC (450÷850 VDC).
Sovraccarico del 150% per 5 secondi della potenza nominale.
Elevata efficienza fino al 92%.
Dimensioni ultra compatte.
Temperatura di funzionamento: -30°C... +70°C.
Sistema SELV.
Elevata tensione di isolamento I/O fino a 4000 VAC.

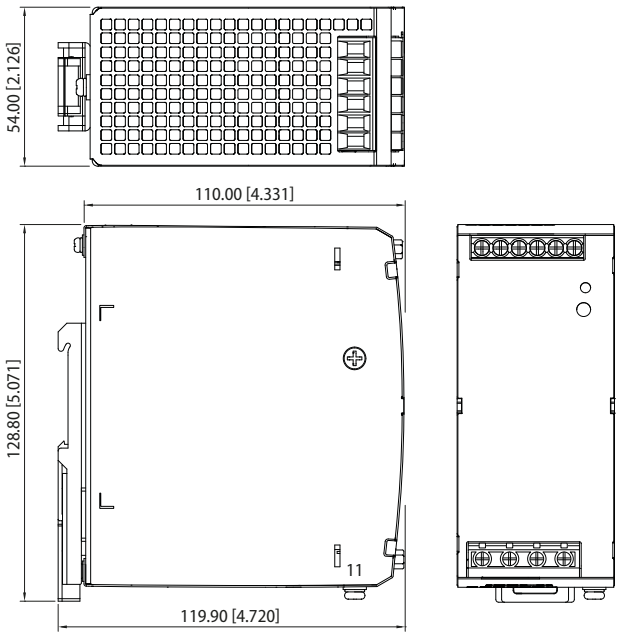
Wide operating range input voltage:
2/3 phases 320 ÷ 600 VAC (450÷850 VDC).
150% overload for 5 seconds of rated power.
High efficiency up to 92%.
Ultra compact size.
Operating temperature: -30°C... +70°C.
SELV system.
High I/O isolation voltage up to 4000 VAC.



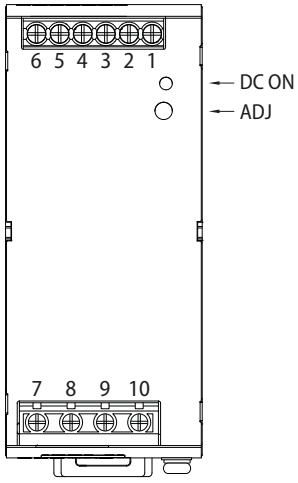
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP310/24	0160003710	3 fasi *(phases)* 320÷600 VAC	240 W	24 VDC	10 A	0,6	92%
		2 fasi *(phases)* 320÷600 VAC	168 W		7 A		

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	54 x 110 x 124
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	750 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OK
2	
3	DC OUTPUT –V
4	
5	DC OUTPUT +V
6	
7	L1 (AC) / + (DC)
8	L2 (AC) / – (DC)
9	L3 (AC)
10	⏚

10 - 11 devono essere collegati a terra ⏚

10 - 11 must be grounded ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWP320

Tensione di ingresso con ampio intervallo di funzionamento:
2/3 fasi 340÷550 VAC (480÷780 VDC).
Dimensioni ultra compatte (larghezza 80mm).
Sovraccarico del 150% per 5 secondi della potenza nominale.
Elevata efficienza fino al 95% con PFC attivo.
Collegabili in parallelo per aumentare la potenza o per la ridondanza.
Bassa corrente di spunto all'accensione.
Temperatura di funzionamento: -30°C... +70°C.
Sistema SELV.
Elevata tensione di isolamento I/O fino a 4000 VAC.
Funzione di avviso guasto (DC OK) e comunicazione RS485.

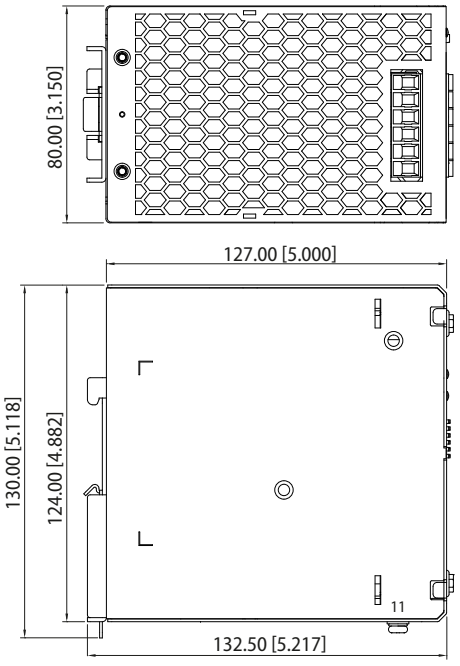
Wide operating range input voltage:
2/3 phases 340 ÷ 550 VAC (480÷780 VDC).
Compact size (only 80mm wide).
150% overload for 5 seconds of rated power.
High efficiency up to 95% with the active PFC function.
Can be connected in parallel to increase power or for redundancy.
Low inrush current .
Operating temperature: -30°C... +70°C.
SELV system.
High I/O isolation voltage up to 4000 VAC.
Fault warning function and RS485 communication.



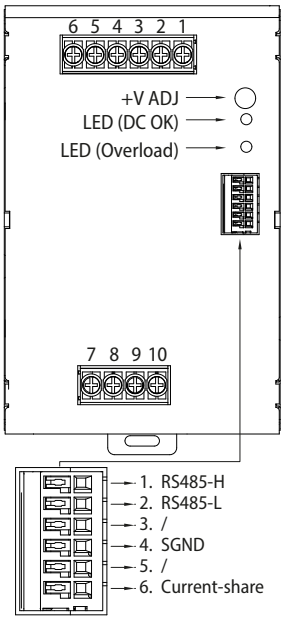
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP320/24	0160003720	3 fasi *(phases)* 340÷550 VAC	480 W	24 VDC	20 A	0,93	95%
		2 fasi *(phases)* 340÷550 VAC	360 W		15 A		

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	80 x 127 x 124
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	1150 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	DC OK
2	
3	DC OUTPUT –V
4	
5	DC OUTPUT +V
6	
7	L1 (AC) / + (DC)
8	L2 (AC) / – (DC)
9	L3 (AC)
10	⏚

10 - 11 devono essere collegati a terra ⏚
10 - 11 must be grounded ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GSA SWP340

Tensione di ingresso con ampio intervallo di funzionamento:
2/3 fasi 320÷600 VAC (450÷800 VDC).
Dimensioni ultra compatte (larghezza 110 mm).
Sovraccarico del 150% per 5 secondi della potenza nominale.
Elevata efficienza fino al 95% con PFC attivo.
Collegabili in parallelo per aumentare la potenza o per la ridondanza.
Bassa corrente di spunto.
Temperatura di funzionamento: -30°C... +70C.
Sistema SELV.
Elevata tensione di isolamento I/O fino a 4000 VAC.
Funzione di avviso guasto.
Comunicazione RS485 e con controllo remoto (PS_ON).

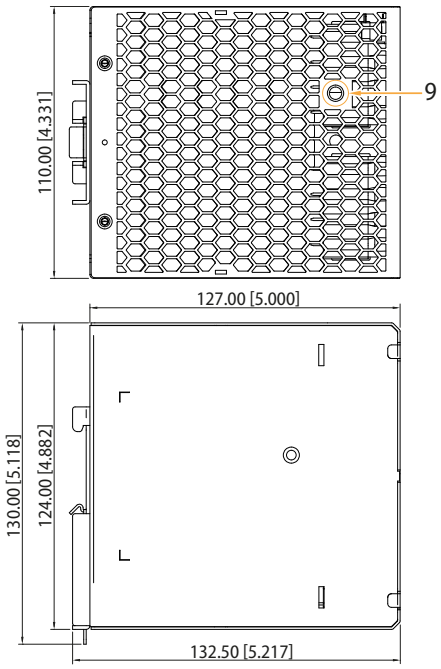
Wide operating range input voltage:
2/3 phases 320 ÷ 600 VAC (450÷800 VDC).
Compact size (only 110 mm wide).
Designed for Two-phase operation as well.
150% overload for 5 seconds of rated power.
High efficiency up to 95 % with the active PFC function.
Can be connected in parallel to increase power or for redundancy.
Low inrush current .
Operating temperature: -30°C... +70°C.
SELV system.
High I/O isolation voltage up to 4000 VAC.
Fault warning function.
RS485 communication and remote control (PS_ON).



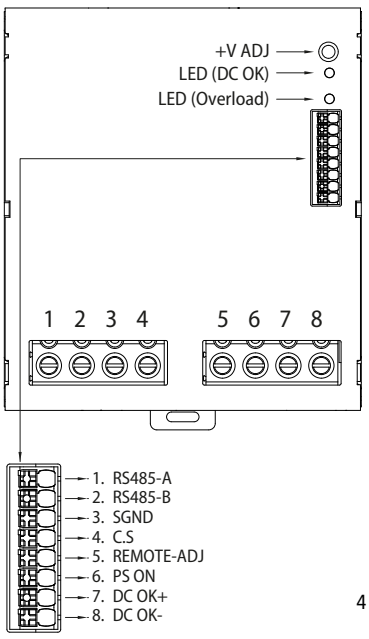
MODELLI *Models*	Codice *Code*	Tensione d'ingresso *Input voltage*	Potenza d'uscita *Output wattage*	Tensione d'uscita *Output voltage*	Corrente d'uscita *Output current*	Fattore di potenza *Power factor*	Efficienza *Efficiency*
GSA SWP340/24	0160003740	3 fasi *(phases)* 320÷600 VAC	960 W	24 VDC	40 A	0,94	95%
		2 fasi *(phases)* 320÷600 VAC	720 W		30 A		

CARATTERISTICHE MECCANICHE - *Mechanical features*

Dimensioni [mm] - *Case size [mm]*	110 x 127 x 124
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	1550 g



CONFIGURAZIONE PIN - *Pin assignment*



PIN - OUT	
PIN	Mark
1	L1 (AC) / + (DC)
2	L2 (AC) / – (DC)
3	L3 (AC)
4	⏚
5	DC OUTPUT +V
6	
7	DC OUTPUT –V
8	

4 - 9 devono essere collegati a terra ⏚
4 - 9 must be grounded ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolazione tensione in uscita

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable regulation

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GRUPPO DI CONTINUITÀ - UPS

Uninterruptible power supply - UPS

Terminale Remote
Remote terminal

Segnale per disattivare l'uscita quando attiva in modalità batteria.

Signal to disable the output when active in battery mode.

Uscita segnali
Output signals

Contatti puliti per monitorare lo stato di allarme, ricarica della batteria e uscita batteria.

Dry contacts for monitoring alarm status, battery charging, and battery output.

Terminali di alimentazione
Supply terminal



Terminali d'uscita
Output Terminals

Dati - *Data*

LED Error

Segnale di errore
Error status signal

LED Diagnosis

Segnale di stato/diagnostica
Status/diagnostics signal

LED Status Batt 1/2

Segnale di stato della batteria
Battery status condition

Terminali batteria
Battery terminals

Morsettiera che consente il collegamento di una batteria singola o di due in serie tramite il contatto Battery Center Tap.

Terminal block that allows the connection of a single battery or two in series via the Battery Center Tap contact.

Selettore capacità batteria
Battery Capacity Selectior

≤3.9AH /≤10AH /≤150AH

Selettore tempo di scarica
Buffer time selector

0.5 / 1 / 2 / 3 / 5 / 10 / 15 / 20 / 30 / ∞ min.

Sonda di temperatura
Temperature Sensor

Morsetto del sensore di temperatura della batteria.

Battery temperature sensor connector.

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GSA UPS20

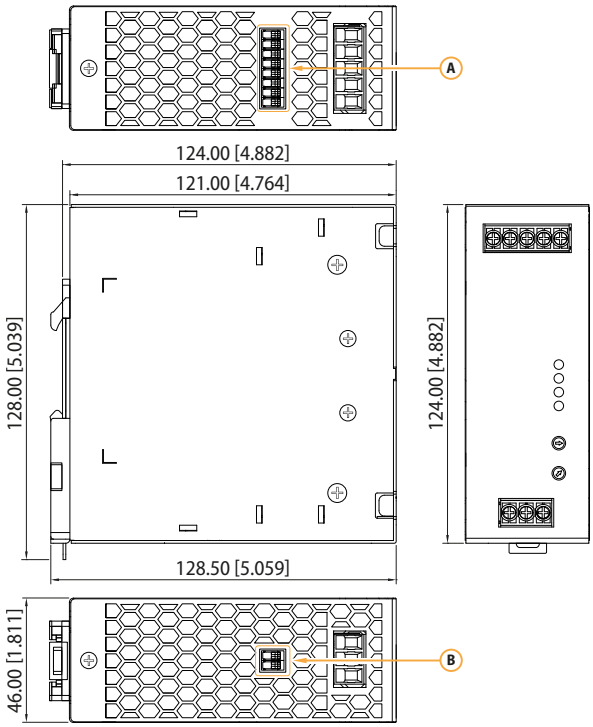
Ampio intervallo di tensione di ingresso: 22.5 - 30 VDC.
Protezione da sovracorrente in uscita, sovratensione in ingresso.
Capacità della batteria utilizzabile da 3,9 Ah a 150 Ah.
Protezione termica della batteria.
Tempo del buffer di scarica della batteria regolabile.
Possibilità di gestire una batteria da 24 V o due batterie da 12 V.
Diagnostica e segnalazione a LED.

Universal 22.5 - 30 VDC input voltage.
Output over-current, input over-voltage protection.
Usable battery capacity from 3.9 Ah to 150 Ah.
Battery temperature protection.
Selection of battery buffer discharge time.
Possibility to manage one 24 V battery or two 12 V batteries.
Diagnostic and LED signalling.

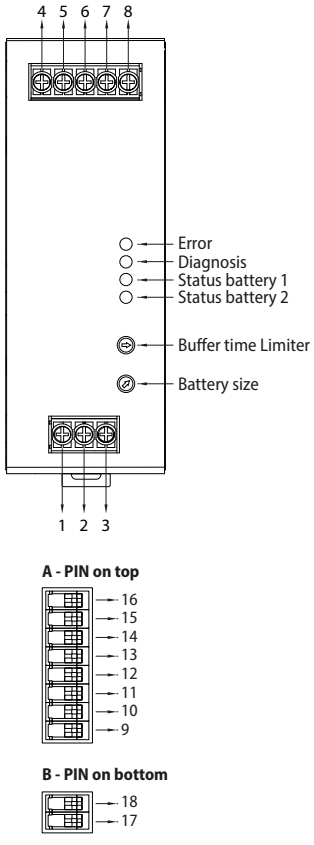


MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Tensione batteria** *Battery voltage*	**Corrente d'uscita** *Output current*	**Efficienza** *Efficiency*
GSA UPS20/24	0160002424	22.5 ÷ 30 VDC	480 W	21 ÷ 30 VDC	24 VDC	20 A	>98%

CARATTERISTICHE MECCANICHE - *Mechanical features*	
Dimensioni [mm] - *Case size [mm]*	46 x 124 x 121
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	600 g



CONFIGURAZIONE PIN - *Pin assignment*

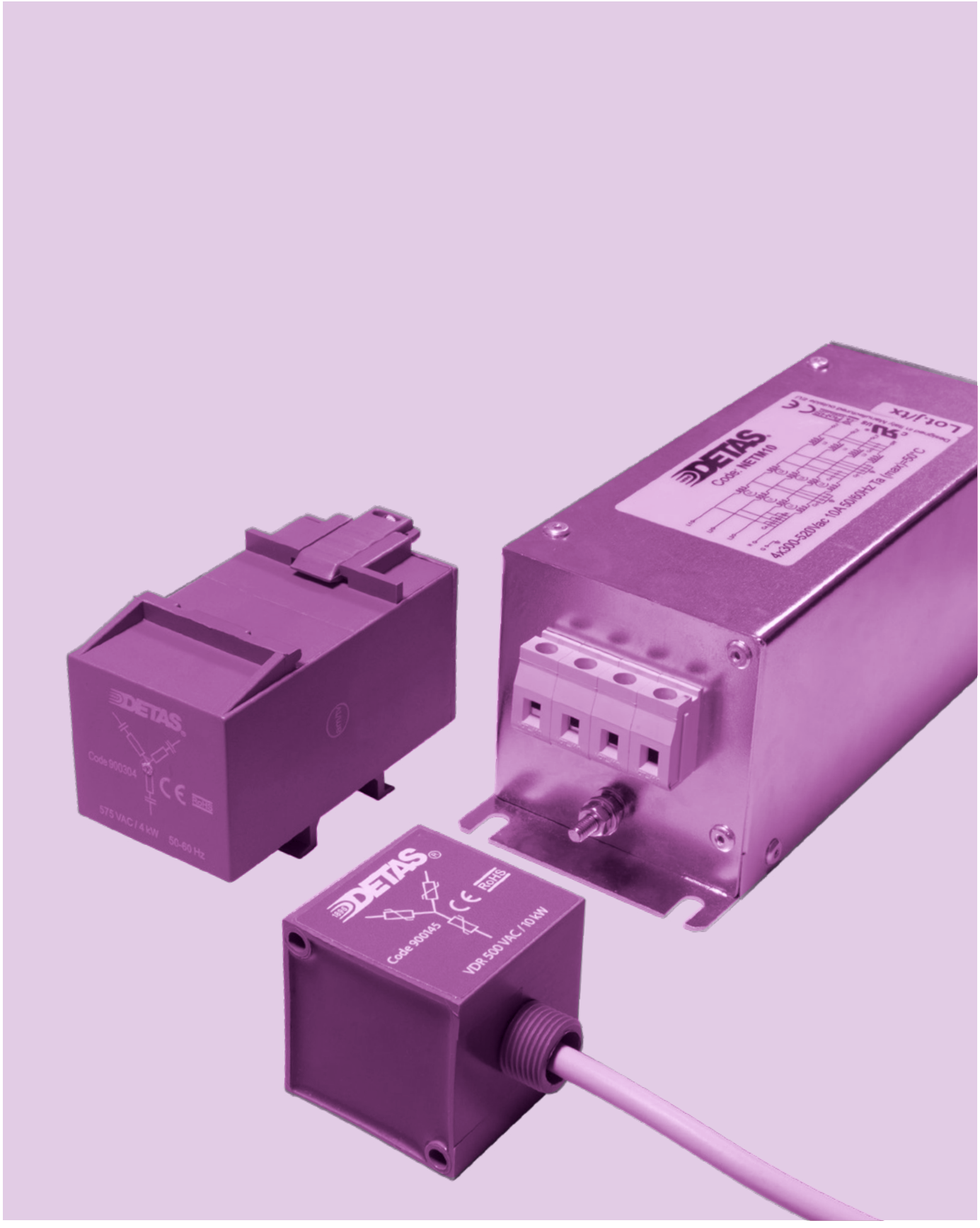


PIN - OUT	
PIN	Mark
1	B+
2	Battery center Tap
3	B-
4	INPUT DC+
5	INPUT DC-
6	INPUT DC-
7	OUTPUT DC+
8	OUTPUT DC-
9	Remote
10	
11	Alarm
12	
13	Bat charge
14	
15	Bat mode
16	
17	Temp. sensor
18	

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FILTRI DI RETE E SOPPRESSORI

Power line filters and suppressors



FILTRI DI RETE - *Power line filters*

Brusche variazioni di corrente nei carichi, collegati alle linee di alimentazione, generano interferenze in radiofrequenza, che possono essere condotte (percorrendo i cavi di alimentazione, si propaga a tutta la rete) o radiate (trasmesse via etere dai cavi, che si comportano da antenne).

Sudden current variations in the loads connected to power lines, generate radio frequency interference, which can be conducted (by running along the power cables, it propagates to the whole network) or radiated (transmitted via air from the cables, which act as antennas).

Ad ogni interferenza condotta corrisponde un campo elettromagnetico irradiato. A sua volta, ogni campo irradiato induce sui cavi presenti un equivalente segnale elettrico condotto. L'efficacia di questi fenomeni è dipendente dalla frequenza.

To every conducted interference corresponds a radiated electromagnetic field. In turn, each radiated field induces an equivalent conducted electrical signal on the cables present. The effectiveness of these phenomena depends on the frequency.

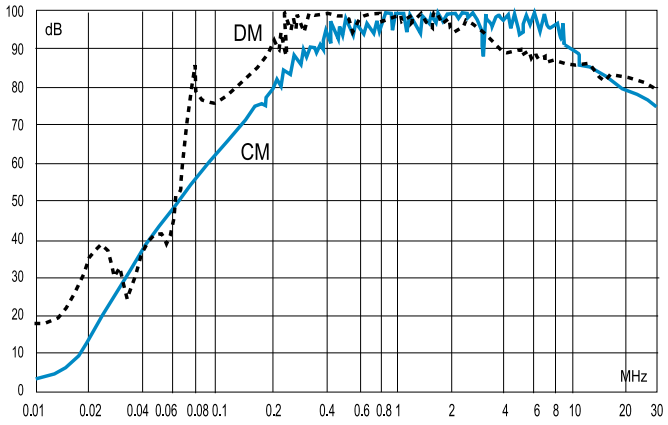
Particolare importanza assume l'impiego di filtri antidisturbo LC verso la rete di distribuzione dell'energia elettrica, la quale deve evitare lo scambio di interferenze con una rete molto estesa ed accessibile a chiunque.

The use of LC transient suppressors filters towards the electricity distribution network assumes particular importance, it is in fact a very extensive network accessible to anyone in which it is essential to avoid the exchange of interference.

Esempio di diagramma di attenuazione che misura l'efficienza di un filtro. L'attenuazione tipica (perdita di inserzione) dei filtri con singola cella varia da 30 a 50 dB. Valori intorno agli 80 dB in caso di doppia cella.

Example of an attenuation diagram measuring the efficiency of a filter. Typical attenuation (insertion loss) of single cell filters ranges from 30 to 50 dB. Values around 80 dB in case of double cell filters.

Livello di attenuazione in dB
Insertion loss in dB
=20log10|V2/V1|



Modo differenziale
Differential mode

Modo comune
Common mode

Scala logaritmica per le frequenze
Logaritmic scale for frequency

Tipologia - *Type*		**MODELLI** *Models*	**Tensione nominale [V]** *Rated tension [V]*	**Corrente nominale [A]** *Rated current [A]*	**Livello di attenuazione tipica** - *Typical insertion loss*
Ingresso - *Input*	**Celle** - *Stage*				0 dB 25 dB 50 dB 75 dB 100 dB
Monofase *Single-phase*	1	MSC	115 / 250 max.	1, 3, 6, 10, 20, 30	
		MSCD	250 max.	6, 10, 16, 30	
	2	MDC	115 / 250 max.	3, 6, 10, 20, 30	
		MDCD	250 max.	10, 16	
		MDCR	250 max.	6, 20, 30	
Trifase *Three-phase*	1	TSCD	500 max.	20	
		TSCR	300 / 520 max.	6, 10, 30	
	2	TDCM	3 x 250	10, 20, 35, 55, 75, 100, 120, 150, 200	
	2	NETM	3 x 520	10, 20, 35, 55, 75, 100	

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MSCD

Montabile su guida DIN.
Elevate caratteristiche di attenuazione (150kHz÷1MHz).
Bassa dispersione.
Morsettiera push-down rapida e facile.
Copertura di sicurezza.

Applicazioni:
Attrezzature industriali, personal computer e periferiche, apparecchi digitali.

DIN rail mounting.
High attenuation features (150kHz÷1MHz).
Low leakage.
Quick and easy push-down terminal block.
Safety cover.

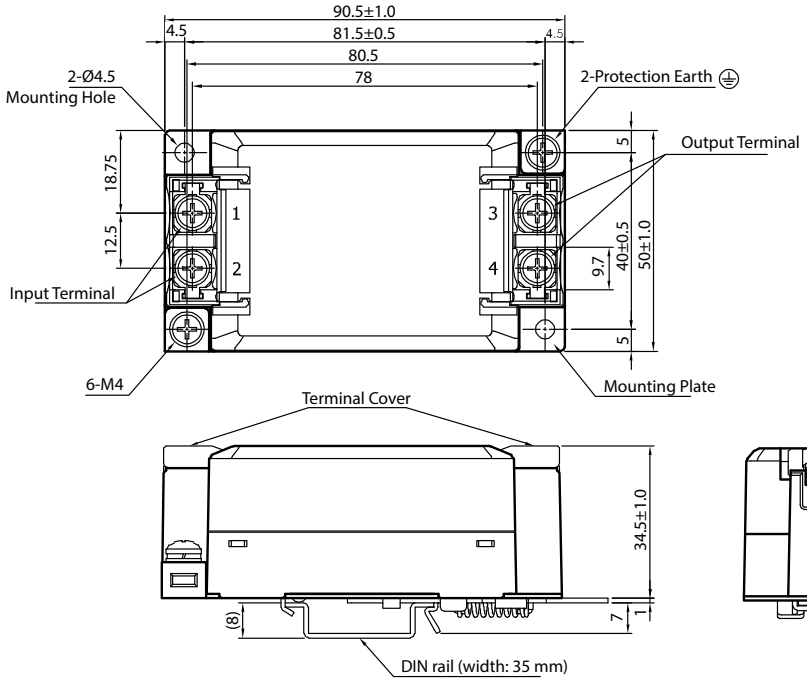
Applications:
Industrial equipments, personal computer & peripherals,digital equipments.



MODELLI *Models*	Codice *Code*	Corrente nom. [A] *Rated current*	Tensione nom. [V] *Rated voltage*	L [mH]	C_x [µF]	C_y [nF]	R [MΩ]	Dimensioni *Case size L x W x D*	Peso *Weight*
MSCD06	2390MSCD06	6	250 max.	2x4.80	2x0.47	2x4.7	0.47	90.5 x 50 x 34.5 mm	205 g
MSCD10	2390MSCD10	10		2x2.74					
MSCD16	2390MSCD16	16		2x1.25					
MSCD30	2390MSCD30	30		2x0.35					

SPECIFICHE TECNICHE - *Technical specifications*	
Corrente di fuga - *Leakage current*	< 1.0 mA
Categoria climatica - *Climatic category*	25/100/21

DIMENSIONI [mm] - *Dimensions [mm]*



Corrente di fuga *Leakage current*	< 1.0 mA
Categoria climatica *Climatic category*	25/100/21

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MDCD

Montabile su guida DIN.
Elevate caratteristiche di attenuazione (150kHz÷1MHz).
Bassa dispersione.
Morsettiera push-down rapida e facile.
Copertura di sicurezza.

Applicazioni:
Attrezzature industriali, personal computer e periferiche, apparecchi digitali.

DIN rail mounting.
High attenuation characteristics (150kHz÷1MHz).
Low leakage.
Quick and easy push-down terminal block.
Safety cover.

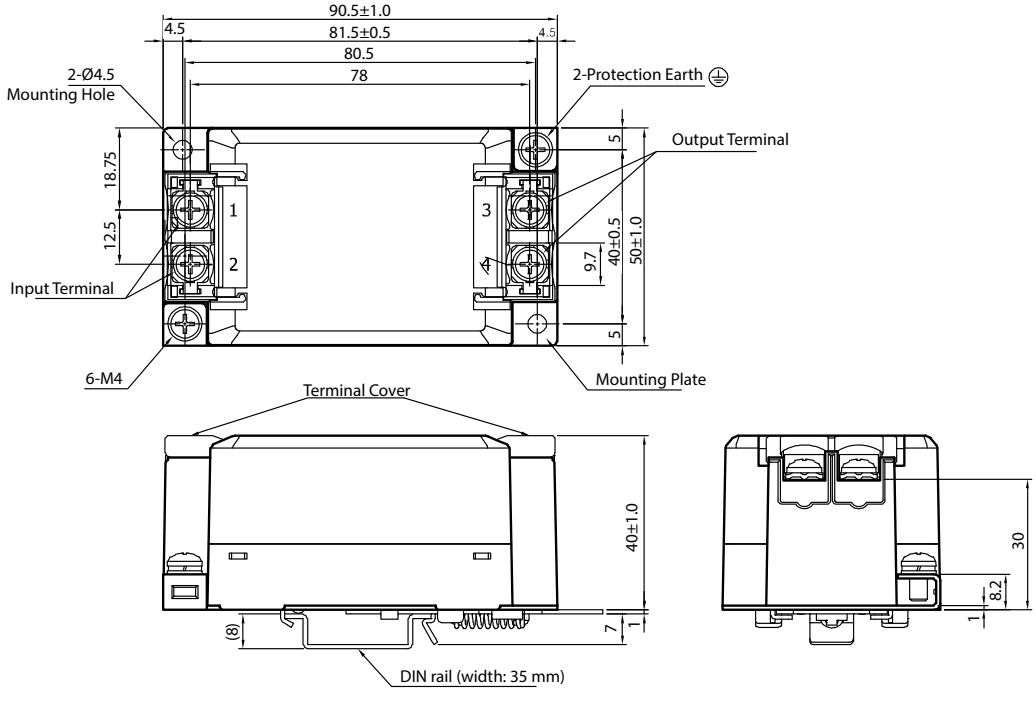
Applications:
Industrial equipments, personal computer & peripherals, digital equipments.



MODELLI *Models*	**Codice** *Code*	**Corrente nom. [A]** *Rated current*	**Tensione nom. [V]** *Rated voltage*	**L [mH]**	**C_x [µF]**	**C_y [nF]**	**R [MΩ]**	**Dimensioni** *Case size L x W x D*	**Peso** *Weight*
MDCD10	2390MDCD10	10	250 max.	4x1.93	2x1.0	2x4.70	0.47	90.5 x 50 x 40 mm	210 g
MDCD16	2390MDCD16	16		4x0.55					

SPECIFICHE TECNICHE - *Technical specifications*	
Corrente di fuga - *Leakage current*	< 1.0 mA
Categoria climatica - *Climatic category*	25/100/21

DIMENSIONI [mm] - *Dimensions [mm]*



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NEW

Monofase doppia cella
Single-phase two stage

MDCR

Questo filtro monofase doppia cella **montabile su guida DIN** è indicato per qualsiasi dispositivo elettronico che richieda un filtro di linea.
Si caratterizza per una bassissima corrente di fuga.

*This single-phase two stage filter for **DIN rail mounting** is indicated for any electronic device that demands a line filter. It is characterized by a very low leakage current.*

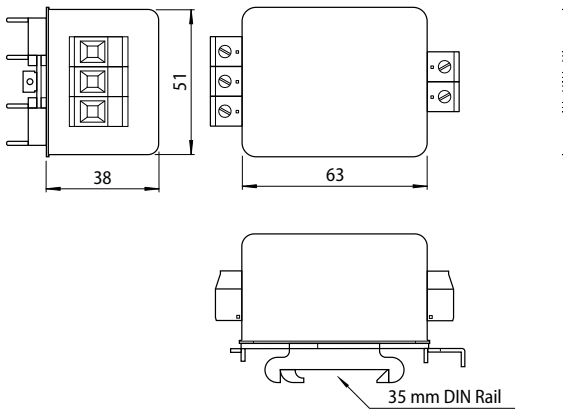


MODELLI *Models*	Codice *Code*	Corrente nom. [A] *Rated current*	Tensione nom. [V] *Rated voltage*	L [mH]	C_x [µF]	C_y [nF]	R [KΩ]	Dimensioni *Case size L x W x D*	Peso *Weight*
NEW MDCR06	2390MDCR06	6	115/250	2x3.0 + 2x3.0	2x1.0	2x2.47	470	63 x 51 x 38 mm	280 g
MDCR20	2390MDCR20	20		2x0.5 + 2x0.5				63 x 51 x 38 mm	290 g
MDCR30	2390MDCR30	30		2x0.2 + 2x0.2				73 x 56 x 44 mm	370 g

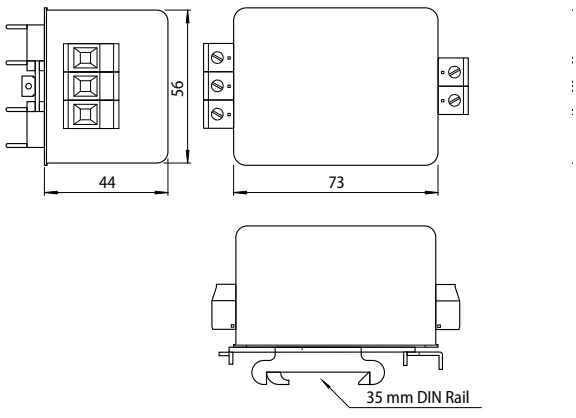
SPECIFICHE TECNICHE - *Technical specifications*		
Tensione d'ingresso - *Rated voltage*	115/250 Vac 50/60Hz	
Campo di frequenza - *Operating frequence*	50÷60 Hz	
Numero celle - *stage*	2	
Corrente di fuga - *Leakage current*	0.5 mA Max @115VAC/60Hz	1.0 mA Max @250VAC/50Hz
Temperatura operativa - *Operating temperature*	-25°C... +85°C	
Categoria climatica - *Climatic category*	25/85/21 (IEC 60068)	
Test di isolamento (1 min.) - *Insulation test (1 min.)*	Fase/Terra: 2250 Vdc; Fase/Fase: 500 Vdc - *Line/Ground: 2250 Vdc; Line/Line:500 Vdc*	
Isolamento - *Insulation resistance*	50 MΩ @500 Vdc (qualsiasi ingresso o uscita verso terra - *any input or output to ground*)	
Grado di protezione - *IP protection*	IP20 secondo EN 60529 - *IP20 according to EN 60529*	
Connessione - *Connection*	Morsetti a vite - *Screw terminals*	
Montaggio - *Mounting*	Collegamento in serie tra la rete ed il carico. Montaggio su guida DIN. *Mounted in series between the line and the load. DIN rail mounting.*	
Certificazioni di sicurezza - *Safety cetifications*	CE / UL	
Standard di riferimento - *Reference standards*	EN 60939 - UL 1283	

DIMENSIONI [mm] - *Dimensions [mm]*

MDCR06 - MDCR20



MDCR30



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MSC

Questo filtro è indicato per qualsiasi dispositivo elettronico che richieda un filtro di linea.
Si caratterizza per una bassissima corrente di fuga.
L'attenuazione media di questo filtro è pari a circa 50-60 dB.

This filter is indicated for any electronic device that demands a line filter.
It is characterized by a very low leakage current.
The medium insertion loss of this filter is around 50-60 dB.

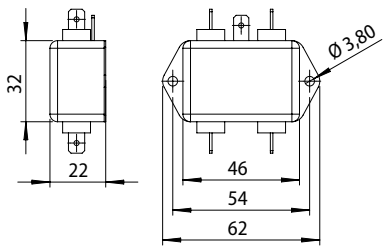


MODELLI *Models*	**Codice** *Code*	**Corrente nom. [A]** *Rated current*	**Tensione nom. [V]** *Rated voltage*	**L [mH]**	**C_x [µF]**	**C_y [nF]**	**R [MΩ]**	**Dimensioni** *Case size L x W x D*	**Peso** *Weight*
MSC01/250	23900MSC01	1	115/250	2x4	0.1	2x4.7	-	46 x 32 x 22 mm	65 g
MSC03/250	23900MSC03	3		2x1.8	0.1	2x3.3	-	44 x 24 x 19 mm	150 g
MSCB06/250	2390MSCB06	6		2x4	2x0.47	2x1.0	0.68	63 x 51 x 38 mm	250 g
MSC10/250	23900MSC10	10		2x1.2	2x0.1	2x3.3	1	51 x 51 x 29 mm	190 g
MSC20/250	23900MSC20	20		2x1.5	2x0.33	2x3.3	1	51 x 51 x 29 mm	140 g
MSC30/250	23900MSC30	30		2x0.3	2x0.1	2x3.3	1.5	64 x 50 x 36 mm	250 g

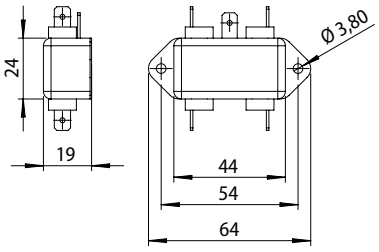
SPECIFICHE TECNICHE - *Technical specifications*	
Corrente di fuga - *Leakage current*	< 1.0 mA
Categoria climatica - *Climatic category*	25/085/21 (IEC 60068-1)

DIMENSIONI [mm] - *Dimensions [mm]*

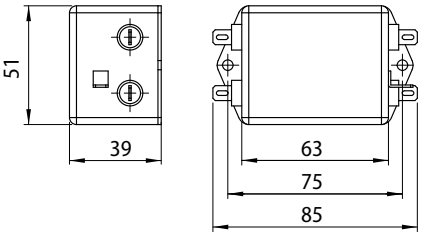
MSC01



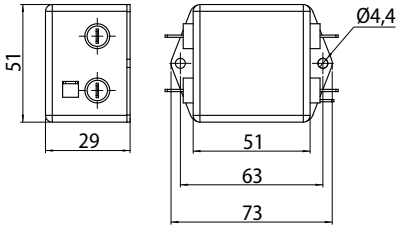
MSC03



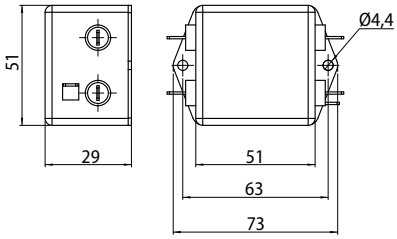
MSCB06



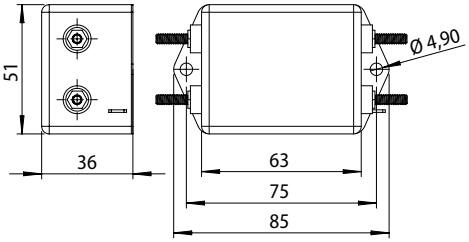
MSC10



MSC20



MSC30



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MDC

Questo filtro monofase a doppia cella fornisce interessanti livelli di attenuazione che arrivano anche a ca. 80 dB.

Su richiesta vengono realizzate serie speciali.

This double stage filter has high attenuation levels (up to approximately 80 dB).

Custom models available on request.

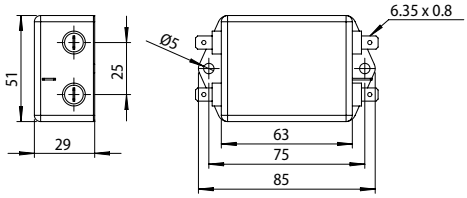


MODELLI *Models*	**Codice** *Code*	**Corrente nom. [A]** *Rated current*	**Tensione nom. [V]** *Rated voltage*	**L [mH]**	**C_x [µF]**	**C_y [nF]**	**R [MΩ]**	**Dimensioni** *Case size L x W x D*	**Peso** *Weight*
MDC03/250	23900MDC03	3	115/250	2x4+2x8	2x0.47	2x3.3	1.5	63 x 52 x 29 mm	158 g
MDC06/250	23900MDC06	6		2x1+2x1	3x0.1	2x3.3	2.2	63 x 52 x 29 mm	185 g
MDC10/250	23900MDC10	10		2x0.6+2x0.6	3x0.1	2x4.7	2.2	63 x 52 x 29 mm	190 g
MDC20/250	23900MDC20	20		2x1+2x1	3x0.22	2x4.7	2.2	73 x 56 x 44 mm	300 g
MDC30/250	23900MDC30	30		2x1.2+2x1.2	3x0.47	2x4.7	0.68	73 x 56 x 44 mm	400 g

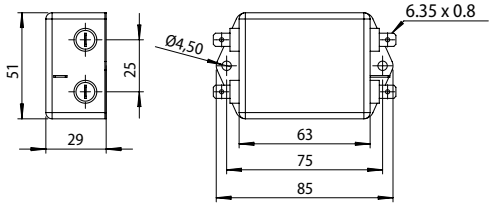
SPECIFICHE TECNICHE - *Technical specifications*	
Corrente di fuga - *Leakage current*	< 0.5 mA
Categoria climatica - *Climatic category*	25/085/21(IEC 60068-1)

DIMENSIONI [mm] - *Dimensions [mm]*

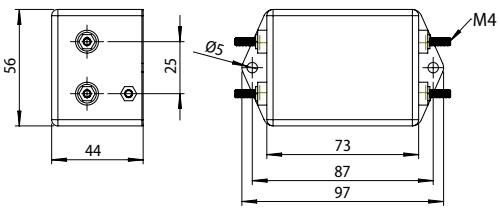
MDC03 - MDC06



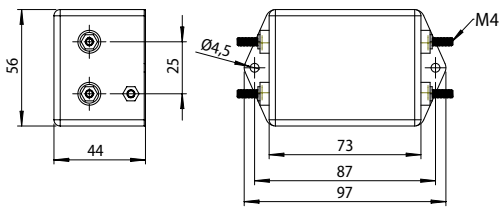
MDC10



MDC20



MDC30



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TSCD

Montabile su guida DIN.
Elevate caratteristiche di attenuazione (150kHz÷1MHz).
Bassa dispersione.
Morsettiera push-down rapida e facile.
Copertura di sicurezza.

DIN rail mounting.
High attenuation characteristics (150kHz÷1MHz).
Low leakage.
Quick and easy push-down terminal block.
Safety cover.

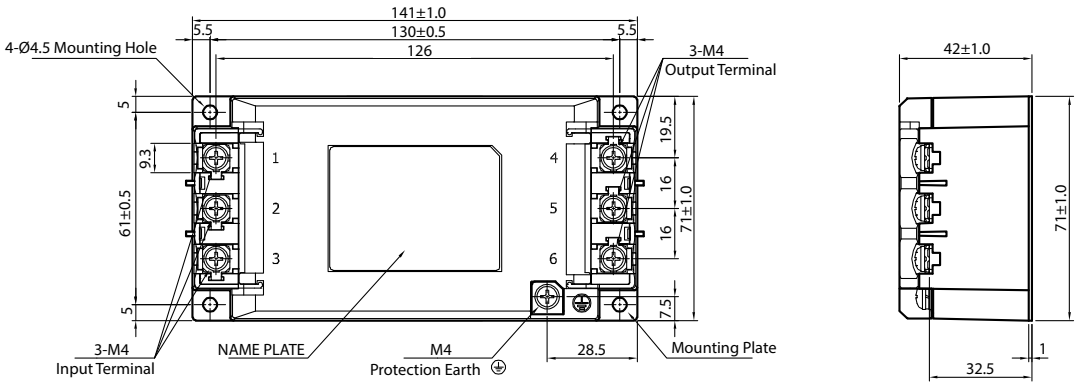


MODELLI *Models*	**Codice** *Code*	**Corrente nom. [A]** *Rated current*	**Tensione nom. [V]** *Rated voltage*	**L [mH]**	**C_x [µF]**	**C_y [nF]**	**R [MΩ]**	**Dimensioni** *Case size L x W x D*	**Peso** *Weight*
TSCD20	2390TSCD20	20	500 max	3x0.65	6x1.5	2x68	3x1	71 x 141 x 42 mm	485 g

SPECIFICHE TECNICHE - *Technical specifications*	
Corrente di fuga - *Leakage current*	< 0.5 mA
Categoria climatica - *Climatic category*	25/100/21

DIMENSIONI [mm] - *Dimensions [mm]*

TSCD20



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TSCR

Questo filtro trifase singola cella **montabile su guida DIN** è indicato per qualsiasi dispositivo elettronico che richieda un filtro di linea.
Si caratterizza per una bassissima corrente di fuga.

*This three-phase single stage filter for **DIN rail mounting** is indicated for any electronic device that demands a line filter. It is characterized by a very low leakage current.*

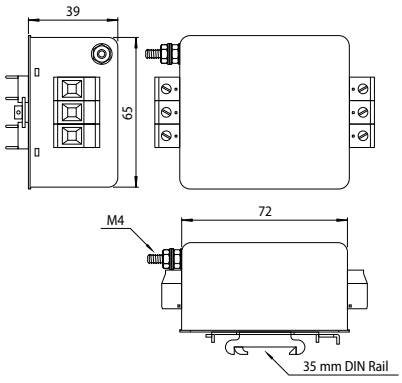


MODELLI *Models*	Codice *Code*	Corrente nom. [A] *Rated current*	Tensione nom. [V] *Rated voltage*	L [mH]	C_x [µF]	C_y [nF]	R [MΩ]	Dimensioni *Case size L x W x D*	Peso *Weight*
TSCR06	2390TSCR06	6	300/520	3x3.5	6x1.0	2x68	3x1	72 x 65 x 39 mm	275 g
TSCR10	2390TSCR10	10		3x1.0	6x1.0			72 x 65 x 39 mm	320 g
TSCR30	2390TSCR30	30		3x0.4	6x1.5			96 x 105 x 41 mm	630 g

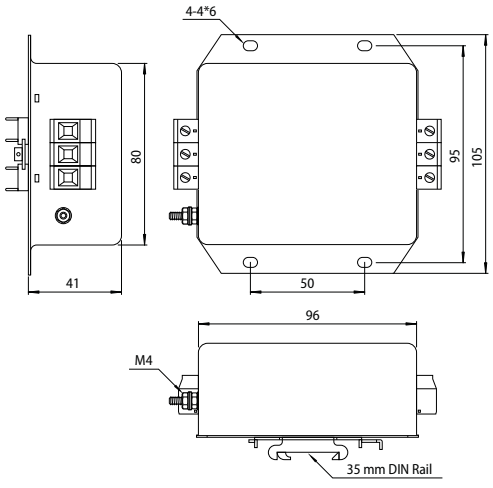
SPECIFICHE TECNICHE - *Technical specifications*	
Tensione d'ingresso - *Rated voltage*	300-520 Vac 50/60 Hz
Campo di frequenza - *Operating frequence*	50÷60 Hz
Numero celle - *stage*	1
Corrente di fuga - *Leakage current*	5.0 mA Max @500 Vac/60 Hz
Temperatura operativa - *Operating temperature*	-25°C... +100°C
Categoria climatica - *Climatic category*	25/100/21 (IEC 60068)
Test di isolamento (1 min.) - *Insulation test (1 min.)*	Fase/Terra: 2250 Vdc; Fase/Fase: 1450 Vdc - *Line/Ground: 2250 Vdc; Line/Line:1450 Vdc*
Isolamento - *Insulation resistance*	50 MΩ @500 Vdc (qualsiasi ingresso o uscita verso terra - *any input or output to ground*)
Grado di protezione - *IP protection*	IP20 secondo EN 60529 - *IP20 according to EN 60529*
Connessione - *Connection*	Morsetti a vite - *Screw terminals*
Montaggio - *Mounting*	Collegamento in serie tra la rete ed il carico. Montaggio su piastra. *Mounted in series between the line and the load. Panel mounting.*
Certificazioni di sicurezza - *Safety cetifications*	CE / UL
Standard di riferimento - *Reference standards*	EN 60939 - UL 1283

DIMENSIONI [mm] - *Dimensions [mm]*

TSCR06 - TSCR10



TSCR30



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TDCM

Filtri per convertitori/inverter.
Compatti, leggeri.
Formato a libro.
Correnti nominali da 10 a 200A.
Alta attenuazione.
Corrente di fuga di massimo 9mA @520Vac (di ogni fase verso terra).

3 phase filters for drives/inverters.
Compact, light.
Bookshelf design.
10-200A current rating.
High insertion loss.
Leakage current 9mA max @520Vac (each line to ground).



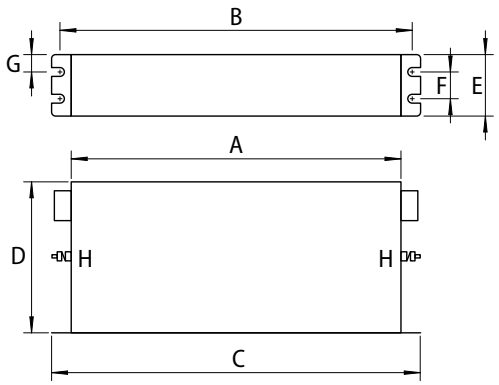
MODELLI *Models*	**Codice** *Code*	**Corrente nom. rms [A]** *Rated current rms*	**Tensione nom. [V]** *Rated voltage*	**Capacità [µF]** *Capacitance*				**R [kΩ/W]**	**L1 [mH]**	**L2 [mH]**	**Sezione cavo max -** *Max section wire* **[mm²]**	**Serraggio** *Tightening* **[mm]**	**Spelatura** *Stripping length* **[mm]**
				C_{X1}	C_{X2}	C_{X3}	$C_{Y1}C_{Y2}$						
TDCM10	2390TDCM10	10		1	1	1	0.027	680/1	3x6	3x6	4	0,5	10
TDCM20	2390TDCM20	20		1	1	1	0.027	680/1	3x5	3x5	4	0,5	10
TDCM35	2390TDCM35	35		2.2	2.2	2.2	0.027	470/1	3x2	3x2	6	0,5	13,5
TDCM55	2390TDCM55	55		1	1	1	0.027	680/1	3x0.6	3x0.6	16	1,2	17
TDCM75	2390TDCM75	75	3 x 520	2.2	2.2	2.2	0.027	470/1	3x0.8	3x0.8	16	2,2	17
TDCM100	239TDCM100	100		4.7	4.7	4.7	0.027	330/2	3x0.5	3x0.5	25	2,2	17
TDCM120*	239TDCM120	120		4.7	4.7	4.7	0.027	330/2	3x0.3	3x0.3	50	6,0	20
TDCM150*	239TDCM150	150		4.7	4.7	4.7	0.027	330/2	3x0.2	3x0.2	50	6,0	24
TDCM200*	239TDCM200	200		2.2	2.2	2.2	0.010	470/2	3x0.4	3x0.4	50	6,0	24

*No cRUus

SPECIFICHE TECNICHE - *Technical specifications*

Corrente di fuga - *Leakage current*	max. 6 mA (@ 300 Vac), max. 9 mA (@ 520 Vac)
Categoria climatica - *Climatic category*	25/100/21 (IEC 60068)

DIMENSIONI [mm] - *Dimensions [mm]*



Modelli *Models*	A	B	C	D	E	F	G	H
10A	115	130.2	145	65	50	36	5.2	M4
20A	150	165.2	180	66	66	52	5.2	M4
35A	200	217.2	230	82	76	57	7.2	M4
55A	160	175.2	190	76	70	56	5.2	M4
75A	233	250.2	263	93	88	69	7.2	M6
100A	320	337.2	350	135	135	115	7.2	M6
120A	320	337.2	350	135	135	115	7.2	M6
150A	320	337.2	350	135	135	115	7.2	M6
200A	360	375	390	150	150	130	7.2	M8

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NETM

Filtri trifase con neutro per convertitori / inverter.
Compatti, leggeri.
Formato a libro.
Correnti nominali da 10 a 100 A.
Alta attenuazione.

3 phase with neutral filters for drives / inverters.
Compact, light.
Bookshelf design.
10 - 100A current rating.
High insertion loss.

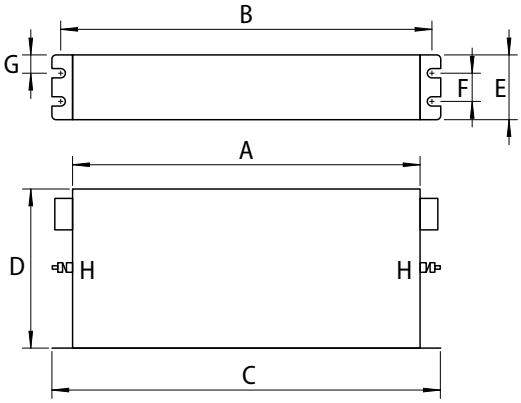


MODELLI *Models*	**Codice** *Code*	**Corrente nom. rms [A]** *Rated current rms*	**Tensione nom. [V]** *Rated voltage*	**Capacità [µF]** *Capacitance*		**R [kΩ/W]**	**L1 [mH]**	**L2 [mH]**	**L3 [uH]**	**Ta* [C°]**	**Morsetto [mm²]** *Screw terminal*	**Corrente di fuga [mA]**** *Leakage current*
				C_x	C_y							
NETM10	2390NETM10	10	3 x 520	1x9	0.01x8	680/3	4 x 3.5	4 x 3.5	4 x 50	-25+50	0.2 - 4.0	21mA max @520Vac
NETM20	2390NETM20	20		1x9	0.01x8	680/3	4 x 3	4 x 3	4 x 30		0.2 - 6.0	
NETM35	2390NETM35	35		1x9	0.01x8	680/3	4 x 1.2	4 x 1.2	4 x 20		0.2 - 6.0	
NETM55	2390NETM55	55		1x9	0.01x8	680/3	4 x 0.6	4 x 0.6	4 x 20		0.2 - 16.0	
NETM75	2390NETM75	75		2.2x9	0.01x8	470/3	4 x 0.6	4 x 0.6	4 x 20		10.0 - 25.0	
NETM100	239NETM100	100		2.2x9	0.01x8	470/3	4 x 0.4	4 x 0.4	4 x 20		10.0 - 25.0	

***con corrente nominale** - *with rated current* ****di ogni fase verso terra** - *each line to ground*

SPECIFICHE TECNICHE - *Technical specifications*	
Tensione d'ingresso - *Rated voltage*	300-520 Vac
Campo di frequenza - *Operating frequence*	50÷60 Hz
Corrente di fuga - *Leakage current*	max. 14mA (@ 300 Vac), max. 21mA (@ 520 Vac)
Categoria climatica - *Climatic category*	25/85/21(IEC 60068)
Test di isolamento (1 min.) - *Insulation test (1 min.)*	Fase/Terra: 2250 Vdc; Fase/Fase: 1450 Vdc - *Line/Ground: 2250 Vdc; Line/Line:1450 Vdc*
Sovraccaricabilità - *Current overload*	6 x corrente nom. per 8 sec. - *6 x rated current for 8 sec.*
Isolamento - *Insulation resistance*	> 50 MΩ @500 Vdc (qualsiasi ingresso o uscita verso terra - *any input or output to ground*)
Grado di protezione - *IP protection*	IP20 secondo EN 60529 - *IP20 according to EN 60529*
Allacciamento - *Connections*	Morsetti a vite - *Screw terminals*
Montaggio - *Mounting*	Collegamento in serie tra la rete ed il carico. Montaggio su piastra. *Mounted in series between the line and the load. Panel mounting.*
Standard di riferimento - *Reference standards*	EN 60939 - UL 1283 - C22.2 No.8

DIMENSIONI [mm] - *Dimensions [mm]*



Modelli *Models*	A	B	C	D	E	F	G	H
10A	150	165.2	180	66	66	52	5.2	M4
20A	200	217.2	230	82	76	57	7.2	M4
35A	200	217.2	230	82	76	57	7.2	M4
55A	233	250.2	263	93	88	69	7.2	M6
75A	320	337.2	350	135	135	115	7.2	M6
100A	320	337.2	350	135	135	115	7.2	M6

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SOPPRESSORI DI TRANSIENTI - *Transient suppressors*

L'apertura e la chiusura dei comandi di una qualsiasi apparecchiatura possono provocare sovratensioni che devono essere soppresse.

La soppressione si ottiene inserendo un modulo in parallelo al carico induttivo, posizionandolo quanto più possibile vicino all'origine del disturbo stesso, anche per evitare di coinvolgere nel fenomeno altri componenti (per esempio i cavi).

Le funzioni a cui tale modulo deve rispondere sono l'eliminazione dell'aumento di tensione e lo scarico più rapido possibile dell'energia magnetica accumulata. Il filtro non deve inoltre provocare a sua volta disturbi o modificare il funzionamento a regime del circuito collegato.

Nei circuiti a corrente continua è particolarmente adatto l'impiego dei diodi, in quelli a corrente alternata l'uso di combinazioni resistenza-condensatore (RC), mentre i varistori sono efficaci per entrambi i tipi di circuito. Sono stati inoltre sviluppati dalla DETAS dispositivi combinati RC + Varistore per ottenere, a seconda dei casi, il miglior risultato.

The opening and closing of the controls of any equipment can cause overvoltages which must be suppressed.

Suppression is achieved by inserting a module in parallel to the inductive load, positioning it as close as possible to the origin of the disturbance itself, also to avoid involving other components in the phenomenon (for example cables).

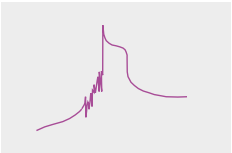
The functions that this module must respond to are the elimination of the voltage increase and the fastest possible discharge of the accumulated magnetic energy. Furthermore, the filter must not itself cause disturbances or modify the steady state operation of the connected circuit.

In direct current circuits the use of diodes is particularly suitable, in alternating current circuits the use of resistor-capacitor (RC) combinations, while varistors are effective for both types of circuit. Combined RC + Varistor devices have also been developed by DETAS to obtain, depending on the case, the best result.

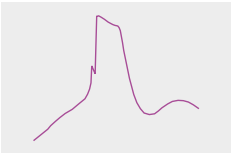
TIPOLOGIA DI SEGNALI - *Kind of noises*



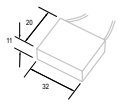
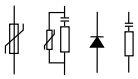
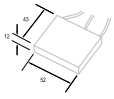
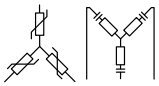
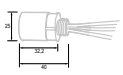
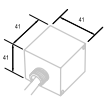
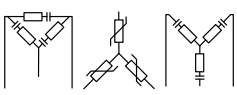
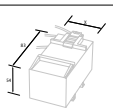
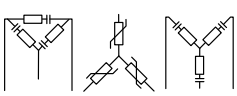
Senza filtro
No filter



Con gruppo RC
With RC device



Con gruppo RC + varistore
With RC + varistor device

	MODELLI *Models*	**Custodia** *Case*	**Potenza motore** *Motor power range*	**VINAC** [V]	**Tipologia** *Type*
Monofase universali *General purpose single-phase*	**UNI**		-	24-230 DC 24 AC/DC 110...400 AC	
Trifase per motori *Threephase for motors*	**PA**		4 KW	3x400 3x500 3x575	
	CL		4 KW	3x400 3x500 3x575	
	CU		4...10 KW	3x400 3x500 3x575	
	STF **STM**		4...20 KW	3x400 3x500 3x575	

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UNI

Questo antidisturbo “universale” per tensioni monofase presenta un contenitore dalle dimensioni molto compatte, che può essere posizionato in canalina oppure attaccato al dispositivo da filtrare tramite biadesivo.
Di particolare interesse la serie RC + Varistore che rende possibile l’utilizzo del filtro senza preoccuparsi di dimensionare lo stesso a seconda del carico interessato. Sarà infatti sufficiente scegliere la tensione di funzionamento e il circuito RC + Varistore penserà a filtrare nel modo migliore.

This general purpose filter with single-phase input is proposed in a very compact size. It can be mounted as desired or attached directly on the device through biadhesive.
The RC + Varistor is a particularly interesting model because it allows to use the filter without considering the load. In fact it is enough to choose the operation voltage and the circuit RC +Varistor will do the suppressing action in the better way.



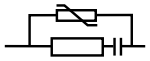
SPECIFICHE TECNICHE - *Technical specifications*	
Temperatura d’esercizio *Temperature rating*	-25°C... +85°C
Custodia - *Case*	PBT, UL94-V0
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Allacciamento - *Connections*	Cavetto 0,75 mm^2 con capocorda (Y) (UL, PVC), L≈150 mm *Connecting leadwire 0,75 mm^2 (UL, PVC); L≈200 mm with Y terminals*
Montaggio - *Mounting*	Collegamento in parallelo ai contatti da proteggere o in parallelo al carico induttivo *Mounted in parallel with the contats to be protected or in parallel with the inductive load*

MODELLI *Models*	**Codice** *Code*	**Tensione [V]** *Rated voltage*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
D1A 24-230 VDC	0160901100	24-230 DC	Diodo 1A - *Diode 1A*	15
D3A 24-230 VDC	0160901103	24-230 DC	Diodo 3A - *Diode 3A*	
VDR 230V	0160901140	230 AC	Varistore - *Varistor*	
VDR 250V	0160901142	250 AC	Varistore - *Varistor*	
RC 022/100 400V	0160901160	400 AC	RC - *RC*	
RC + VDR 047/47 24V	0160901190	24 AC/DC	RC||Varistore - *RC||Varistor*	
RC + VDR 047/47 110V	0160901191	110 AC	RC||Varistore - *RC||Varistor*	
RC + VDR 047/47 220V	0160901192	250 AC	RC||Varistore - *RC||Varistor*	
RC 047/110 250V NFNA	0160901197	250 AC	RC - *RC*	
RC 047/220 400V	0160901199	400 AC	RC - *RC*	

SCHEMA ELETTRICO - *Electrical schematic*



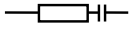
Varistore - *Varistor*



RC/Varistore - *RC/Varistor*

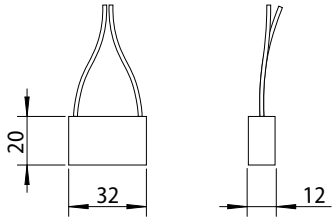


Diodo - *Diode*



RC - *RC*

DIMENSIONI [mm] - *Dimensions [mm]*

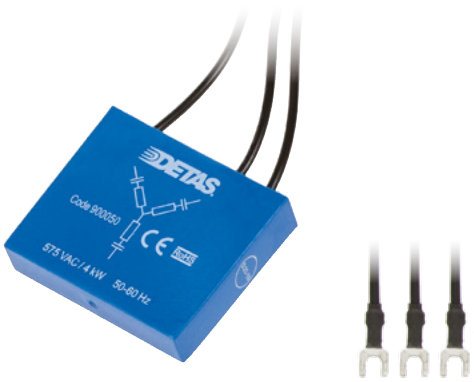


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PA

Grazie alle dimensioni ridotte, questo filtro motore può essere montato all'interno della morsettiera del motore permettendo di eliminare nel migliore dei modi i picchi di tensione alla disinserzione/inserzione che possono risultare fatali per l'elettronica.
La versione consigliata è quella con gruppo RC ma è disponibile anche un modello a varistori. Ideale per motori asincroni trifase 50÷60 Hz con potenze fino a 4 kW, va impiegato dove non avvengano più di un operazione al secondo. Viene fornito con biadesivo e con cavetti con capocorda di lunghezza 300 mm.

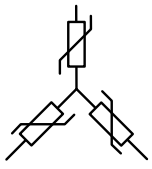
Thanks to the small dimensions, this filter can be mounted into the motor switchgear allowing the suppression of voltage peaks at the source.
It represents an optimal choice for threephase 50÷60 Hz motors with power up to 4kW.
The use of this filter isn't allowed when it is required more than one operation in a second. It is supplied with biadhesive and connecting leadwire.



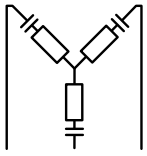
SPECIFICHE TECNICHE - *Technical specifications*	
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Fino a 4 kW - *Up to 4kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	PBT, UL94-V0
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Grado di protezione - *Enclosure protection*	IP65 secondo EN 60529 - *IP65 according to EN 60529*
Allacciamento - *Connections*	Cavetto 0,75 mm^2 con capocorda (Y) (UL, PVC), L≈300 mm *Connecting leadwire 0,75 mm^2 (UL, PVC); L=300 mm with Y terminals*
Montaggio - *Mounting*	Collegamento in parallelo ai contatti da proteggere o in parallelo al carico induttivo *Mounted in parallel with the contats to be protected or in parallel with the inductive load*

MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Esecuzione** *Type*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
VDR 3/4 KW-PA 400 V	0160900030	3 x 400	4	Sinistra - *Left*	Varistori a stella *Varistors wye connected*	50
VDR 3/4 KW-PA 500 V	0160900040	3 x 500		Destra - *Right*	Varistori a stella *Varistors wye connected*	50
VDR 3/4 KW-PA 575 V	0160900050	3 x 575		Sinistra - *Left*	RC a stella *RC wye connected*	62

SCHEMA ELETTRICO - *Electrical schematic*

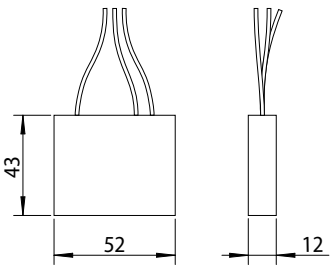


Varistori a stella - *Varistors wye connected*



RC a stella - *RC wye connected*

DIMENSIONI [mm] - *Dimensions [mm]*

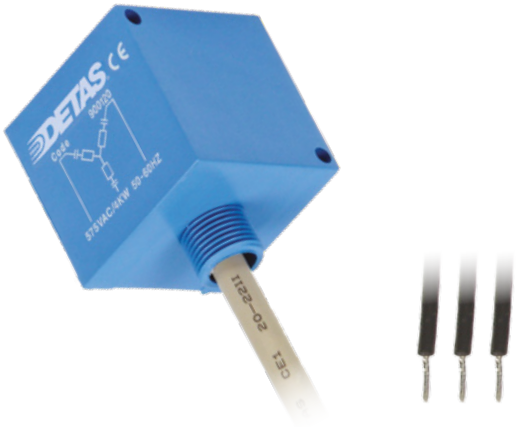


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CU

Questo filtro con contenitore cubico è disponibile in diverse versioni che si differenziano per il diverso circuito antidisturbo utilizzato, in particolare è disponibile un modello con combinazione RC+varistore certamente il più performante sotto l'aspetto della soppressione del disturbo. Il filtro va avvitato sull'entrata cavi della morsettiera del motore oppure può essere montato con delle fascette all'esterno della stessa. Viene fornito con un cavo tripolare da allacciare in parallelo ai morsetti del motore.

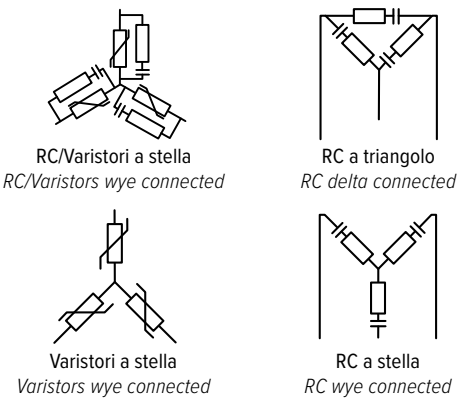
This filter is available in a "cube" box and several different models available depending on the type of suppressor device used, in particular the RC+varistor combination offers high levels of suppression. The filter can be screwed onto the entrance of motor switchgear or can be mounted outside.



SPECIFICHE TECNICHE - *Technical specifications*	
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Da 4 kW a 10kW - *From 4kW to 10 kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	Policarbonato classe V2 - *Polycarbonate V2 class*
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Grado di protezione - *Enclosure protection*	IP65 secondo EN 60529 - *IP65 according to EN 60529*
Allacciamento - *Connections*	Cavetto 3x1 mm^2 (UL 94-V0, PVC), L≈300 mm; filetto PG9 *Connecting leadwire 3x1 mm^2 (UL94-V0, PVC); L≈300 mm; thread PG9*
Montaggio - *Mounting*	Collegamento in parallelo ai contatti da proteggere o in parallelo al carico induttivo *Mounted in parallel with the contats to be protected or in parallel with the inductive load*

MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
RC 3/4 KW-CU 575V	0160900120	3 x 575	4	RC a stella - *RC wye connected*	135
RC 3/7,5 KW-CU 575V	0160900127	3 x 575	7,5	RC a stella - *RC wye connected*	130
VDR 3/10 KW-CU 400V	0160900140	3 x 400	10	Varistori a stella - *Varistors wye connected*	140
VDR 3/10 KW-CU 500V	0160900145	3 x 500	10	Varistori a stella - *Varistors wye connected*	135
RC 3/10 KW-CU 400V	0160900125	3 x 400	10	RC a triangolo - *RC delta connected*	120
RC+VDR 3/10 KW-CU 400V	0160900130	3 x 400	10	RC||Varistori a stella - *RC||Varistors wye connected*	120
RC+VDR 3/10 KW-CU 500V	0160900135	3 x 500	10	RC||Varistori a stella - *RC||Varistors wye connected*	120

SCHEMA ELETTRICO - *Electrical schematic*



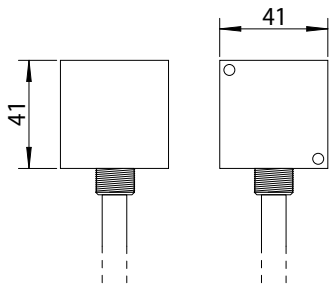
RC/Varistori a stella
RC/Varistors wye connected

RC a triangolo
RC delta connected

Varistori a stella
Varistors wye connected

RC a stella
RC wye connected

DIMENSIONI [mm] - *Dimensions [mm]*

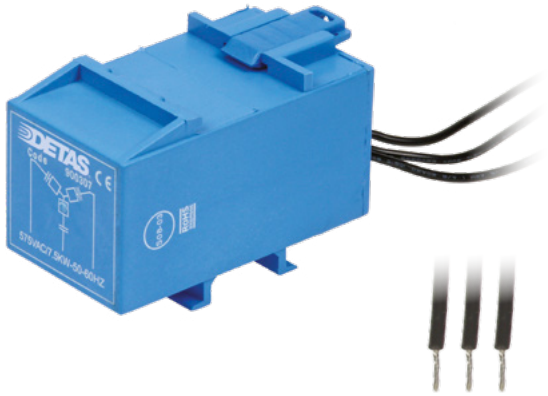


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STF

Questo filtro per motore viene montato direttamente su guida DIN. Sopra il filtro può essere montato il contattore di comando.
Disponibile in 2 diverse larghezze (45 e 54 mm), è disponibile per motori aventi potenza massima di 20kW.
Sono disponibili diversi modelli sia con RC che con varistori.

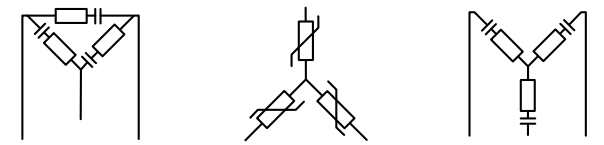
This motor filter can be mounted directly on DIN rail. Moreover the contactor can be mounted upon it for a more easy parallel connection of the three cables. Several models are available with varistors or RC.



SPECIFICHE TECNICHE - *Technical specifications*	
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Fino a 20 kW - *Up to 20 kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	Policarbonato classe V2 - *Polycarbonate V2 class*
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Allacciamento - *Connections*	Cavetto 0,75 mm^2 fino a 10 kW, 1,5 mm^2 oltre i 10 kW (UL, PVC), L≈150 mm *Connecting leadwire 0,75 mm^2 up to 10 kW, 1,5 mm^2 over 10 kW (UL, PVC), L≈300 mm*
Montaggio - *Mounting*	Collegamento in parallelo ai contatti da proteggere o in parallelo al carico induttivo *Mounted in parallel with the contats to be protected or in parallel with the inductive load*

MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
RC 3/4 KW-STF 575V	0160900304	3 x 575	4	RC a stella - *RC wye connected*	160
RC 3/7,5 KW-STF 575V	0160900307	3 x 575	7,5	RC a stella - *RC wye connected*	175
RC 3/10 KW-STF 400V	0160900310	3 x 400	10	RC a triangolo - *RC delta connected*	175
VDR 3/10 KW-STF 500V	0160900314	3 x 500	10	Varistori a stella - *Varistors wye connected*	175
RC 3/20 KW-STF 575V	0160900325	3 x 575	20	RC a stella - *RC wye connected*	175

SCHEMA ELETTRICO - *Electrical schematic*



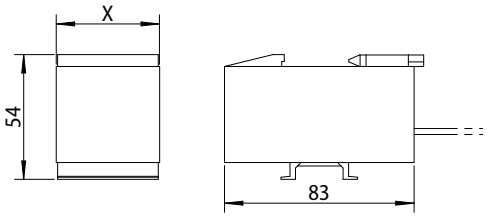
RC a triangolo
RC delta connected

Varistori a stella
Varistors wye connected

RC a stella
RC wye connected

DIMENSIONI [mm] - *Dimensions [mm]*

≤10kW: X= 45
>10kW: X= 54

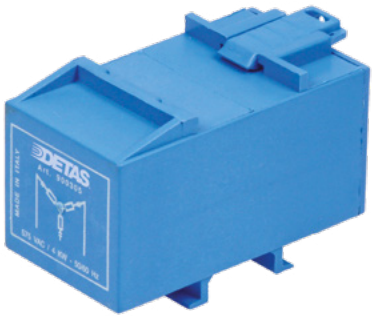


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STM

Questo filtro per motore viene montato direttamente su guida DIN. Sopra il filtro può poi essere montato il contattore di comando. Disponibile con larghezza 54 mm per motori aventi potenza massima di 20 kW.
È anche possibile ordinare la stessa versione oppure altri modelli qui non disponibili con collegamento a cavetti (STF).

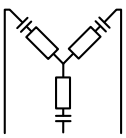
This motor filter can be mounted directly on DIN rail. Moreover the contactor can be mounted upon it for a more easy parallel connection of the three cables. One version with RC for max power of 20kW is available. Other models which are not indicated here can be ordered with cables instead of terminal blocks.



SPECIFICHE TECNICHE - *Technical specifications*	
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Fino a 20 kW - *Up to 20 kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	Policarbonato classe V2 - *Polycarbonate V2 class*
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Allacciamento - *Connections*	Morsetti a vite - *Screw terminals*
Montaggio - *Mounting*	Collegamento in parallelo ai contatti da proteggere o in parallelo al carico induttivo *Mounted in parallel with the contats to be protected or in parallel with the inductive load*

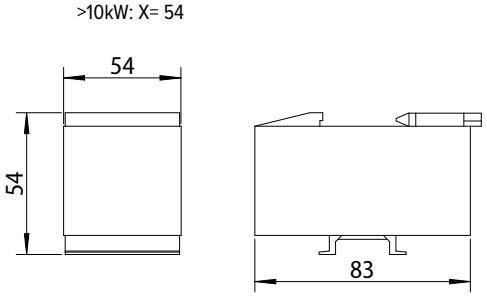
MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
RC 3/20 KW-STM 575V	0160900328	3 x 575	20	RC a stella - *RC wye connected*	175

SCHEMA ELETTRICO - *Electrical schematic*



RC a stella
RC wye connected

DIMENSIONI [mm] - *Dimensions [mm]*



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CL

La forma cilindrica filettata (PG9) permette di avvitare questo filtro direttamente all'uscita cavi della morsettiera del motore. È disponibile la versione a varistori per tensioni trifase di 400 e 500 Vac.

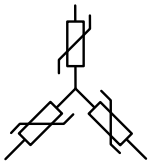
The threaded (PG9) cylindrical shape allows to screw this filter directly onto output cables of the motor switchgear. It is available the varistor version with three-phase 400 and 500 Vac.



SPECIFICHE TECNICHE - *Technical specifications*	
Frequenza motore - *Motor frequency*	10÷400 kHz
Potenza massima motore - *Max. motor power*	Fino a 4 kW - *Up to 4 kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	ABS, UL94-V0
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Grado di protezione - *Enclosure protection*	IP65 secondo EN 60529 - *IP65 according to EN 60529*
Allacciamento - *Connections*	Cavetto 0,75 mm^2 con capocorda ad occhiello diametro 4mm (UL, PVC), L≈150 mm *Connecting leadwire 0,75 mm^2 (UL, PVC), L≈150 mm with 4mm diameter run terminals*
Montaggio - *Mounting*	Collegamento in parallelo ai contatti da proteggere o in parallelo al carico induttivo *Mounted in parallel with the contats to be protected or in parallel with the inductive load*

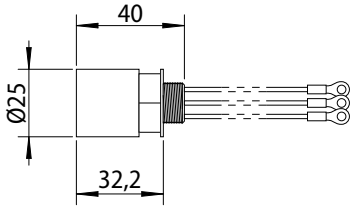
MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
VDR 3/4 KW-CL 400V	0160900405	3 x 400	4	Varistori a stella - *Varistors wye connected*	30
VDR 3/4 KW-CL 500V	0160900406	3 x 500		Varistori a stella - *Varistors wye connected*	30

SCHEMA ELETTRICO - *Electrical schematic*



Varistori a stella
Varistors wye connected

DIMENSIONI [mm] - *Dimensions [mm]*



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18 mm

Questo filtro è adatto per l'inserimento tra la bobina ed il cappuccio dell'elettrovalvola. Dotato di circuito antidisturbo soppressore risulta inoltre utile in quanto dotato di LED di segnalazione che si illumina quando l'elettrovalvola è eccitata. Questo modello va bene per le valvole sec. DIN 43650 Forma A con distanza contatti di 18 mm.

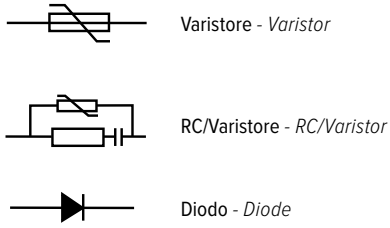
This filter is suitable for the installation between the coil and the hood of the solenoid. It is equipped with a voltage suppressor circuit and with a status LED. This model is suitable for the solenoids according to 43650 DIN shape A with contacts distance of 18 mm.



SPECIFICHE TECNICHE - *Technical specifications*	
Distanza contatti - *Contact distance*	18 mm
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	Lexan, UL94-V2
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Allacciamento - *Connections*	Ad innesto tra elettrovalvola e cappuccio - *Insertion between coil and hood of the solenoid*
LED di segnalazione - *Status LED*	Colore giallo - *Yellow colour*
Grado di protezione - *Enclosure protection*	IP65 secondo EN 60529 - *IP65 according to EN 60529*

MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Circuito antidisturbo** *Device type*
RC + VDR 907 24V	0160907030	24 AC/DC	RC/Varistore - *RC/Varistor*
D 907 24V	0160907124	24 DC	Diodo - *Diode*
RC + VDR 907 115V	0160907130	115 AC	RC/Varistore - *RC/Varistor*
VDR 907 24V	0160907224	24 AC/DC	Varistore - *Varistor*
RC + VDR 907 230V	0160907230	230 AC	RC/Varistore - *RC/Varistor*

SCHEMA ELETTRICO - *Electrical schematic*

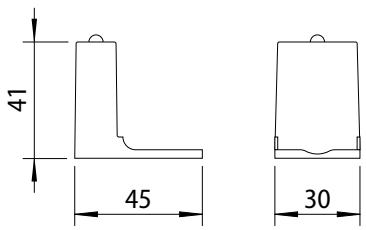


Varistore - *Varistor*

RC/Varistore - *RC/Varistor*

Diodo - *Diode*

DIMENSIONI [mm] - *Dimensions [mm]*



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11 mm

Questo filtro è adatto per l'inserimento tra la bobina ed il cappuccio dell'elettrovalvola. Dotato di circuito antidisturbo soppressore risulta inoltre utile in quanto dotato di LED di segnalazione che si illumina quando l'elettrovalvola è eccitata. Questo modello va bene per le valvole sec. DIN 43650 Forma Industriale con distanza contatti di 11 mm.

This filter is suitable for installation between the coil and the hood of the solenoid. It is equipped with a voltage suppressor circuit and with a status LED. This model is suitable for the solenoids according to 43650 DIN industrial shape with contacts distance of 11 mm.



SPECIFICHE TECNICHE - *Technical specifications*

Distanza contatti - *Contact distance*	11 mm
Temperatura d'esercizio - *Temperature rating*	-25°C... +85°C
Custodia - *Case*	Lexan, UL94-V2
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Allacciamento - *Connections*	Ad innesto tra elettrovalvola e cappuccio - *Insertion between coil and hood of the solenoid*
LED di segnalazione - *Status LED*	Colore giallo - *Yellow colour*

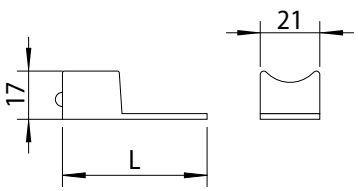
MODELLI *Models*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Tensione di taglio [V]** *Cut off voltage*	**Esecuzione** *Type*	**Circuito antidisturbo** *Device type*	**Dimensioni** *Dimensions* L
VDR 908 24V	0160908224	24 AC/DC	47 + VNOM	Sinistra - *Left*	Varistore - *Varistor*	50 mm
VDR 909 24V	0160909224	24 AC/DC	47 + VNOM	Destra - *Right*		50 mm
VDR 910 115V	0160910115	115 AC	220 + VNOM	Sinistra - *Left*		62 mm
VDR 911 115V	0160911115	115 AC	220 + VNOM	Destra - *Right*		62 mm
VDR 910 230V	0160910250	230 AC	470 + VNOM	Sinistra - *Left*		62 mm
VDR 911 230V	0160911250	230 AC	470 + VNOM	Destra - *Right*		62 mm

SCHEMA ELETTRICO - *Electrical schematic*



Varistore - *Varistor*

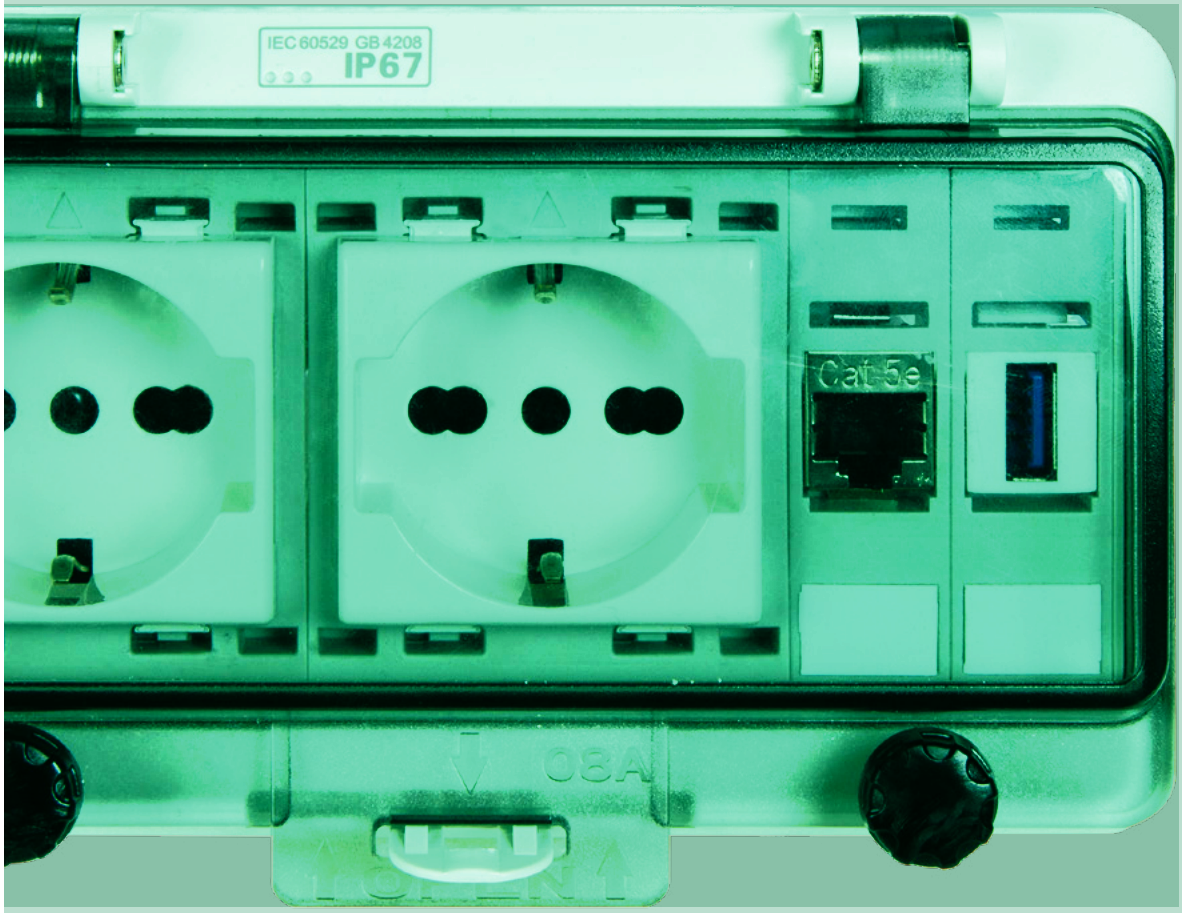
DIMENSIONI [mm] - *Dimensions [mm]*



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SISTEMI DI CONNESSIONE

Connection systems



SISTEMI DI CONNESSIONE - *Connection systems*



INTERFACCE DI CONNESSIONE
Dispositivi di collegamento
DTS LINK con moduli e accessori.

CONNECTION INTERFACES
DTS LINK connection systems with modules and accessories.

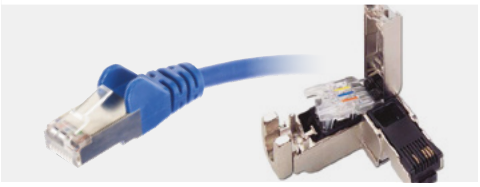


NEW

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CONNECTION INTERFACES AND JUNCTION CONNECTORS





NEW

NETWORKING
Porte di connessione
Ethernet Switch.
Cavi di connessione.

NETWORKING
Unmanaged Ethernet Switches.
Data connection cables.



CONNETTORI M8 e M12
Precablati, a cablare, a pannello.

M8 AND M12 CONNECTORS
Overmolded, field-wireable, front mounting.



CONNETTORI MILITARI
Standard MIL-C-5015.
Miniaturizzati standard MIL-C-26482.

MIL-SPEC CONNECTORS
MIL-C-5015 standard.
MIL-C-26482 miniature connectors.



PRESSACAVI INOX

STAINLESS STEEL CABLE GLANDS



BLOCCHI DI DISTRIBUZIONE

DISTRIBUTION TERMINAL BLOCKS

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DTS-LINK

Le interfacce di connessione DTS-LINK IP67 permettono un facile collegamento ai sistemi elettronici presenti negli armadi senza la necessità di aprire l'armadio elettrico. Questo preserva il grado di protezione dell'armadio elettrico e da eventuali alterazioni/guasti dei componenti elettronici.

Sistema modulare per prese keystone (Mod. M1xx),
Schuko 220V (Mod. M3SCx).
Montaggio da interno con viti in dotazione.
Protezione IP67.
Chiusura sportello di sicurezza con viti.
Ampio spazio per etichetta adesiva 9x15mm
(codice 2239000005).

All the DTS-LINK IP67 connection interfaces can be easily connected to the enclosure electronic systems, without the need to open it. This feature secures the enclosure protection rating and preserves it from potential malfunctions.

Modular design for keystone sockets (Mod. M1xx),
Schuko 220V (Mod. M3SCx).
Inside mounting, including screws.
Protection rating IP67.
Screw fastening safety door.
Wide space for label sticker 9x15mm, (code 2239000005).



IP67

RoHS COMPLIANT

CE

Personalizzazione con un ordine minimo di 10 pezzi.

Customization with a minimum order of 10 pieces.



Nuovo modello con attacco per guida DIN.

New model for DIN rail mounting.

MODELLI *Models*		**Moduli** *Plates nr.*	**Codice** *Code*	**Composizione prese** *Socket setting*	**Dimensioni** *Dimensions*
	DTS-LINK3-EUU	3	2230003025	1x RJ45 Cat.6a, 2x USB 2.0	75x101x28 mm
	DTS-LINK3-EEU		2230003050	2x RJ45 Cat.6a, 1x USB 2.0	
	DTS-LINK3-SC0		2230003075	1x SCHUKO	
	DTS-LINK4-SC0E	4	2230004025	1x SCHUKO 230V, 1x RJ45 Cat.6a	93x101x28 mm
	DTS-LINK4-SC0U		2230004050	1x SCHUKO 230V, 1x USB 2.0	
	DTS-LINK 4-EEUU		2230004075	2x RJ45 Cat.6A, 2x USB 2.0	
	DTS-LINK 4-EUFF		2230004080	1x RJ45 Cat.6A, 1x USB 2.0, 2x USB 3.0	
	DTS-LINK6-SC0UUE	6	2230006025	1x SCHUKO 230V, 2x USB2.0, 1x RJ45 Cat.6a	124x101x28 mm
	DTS-LINK6-EEUUFH		2230006050	2x RJ45 Cat6A, 2x USB2.0, 1x USB3.0, 1x HDMI	
	DTS-LINK6-SCOEEX		2230006060	1x SCHUKO, 2x RJ45 Cat.6A, 1x M1C	
	DTS-LINK6-SCOEUX		2230006065	1x SCHUKO, 1x RJ45 Cat.6A, 1x USB 2.0, 1x M1C	
	DTS-LINK6-SCOMT206CE		2230006080	1x SCHUKO, 1x Magnetotermico *(magnetothermic)* 6A curva *(curve)* C, 1x RJ45 Cat.6A	
	DTS-LINK6-SCOMT210CE		2230006085	1x SCHUKO, 1x Magnetotermico *(magnetothermic)* 10A curva *(curve)* C, 1x RJ45 Cat.6A	
	DTS-LINK6-SCOMTD206CAAE		2230006082	1x SCHUKO, 1x Differenziale *(differential)* 6A curva *(curve)* C, 1x RJ45 Cat.6A	
	DTS-LINK6-SCOMTD210CAAE		2230006087	1x SCHUKO, 1x Differenziale *(differential)* 10A curva *(curve)* C, 1x RJ45 Cat.6A	
	DTS-LINK8-SC0SC0UE	8	2230008025	2x SCHUKO 230V, 1x USB2.0, 1x RJ45 Cat.6a	160x101x28 mm
	DTS-LINK8-SC0UUEEE		2230008050	1x SCHUKO 230V, 2x USB2.0, 3x RJ45 Cat.6a	

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DTS-LINK


RJ45 Cat5e f/f


RJ45 Cat6A f/f


RJ45-90 Cat5e f/f


RJ45-90 Cat6A f/f


USB 2.0 f/f


USB 3.0 f/f


USB-C f/f


HDMI f/f


SCHUKO 230V


Modulo singolo cieco
single blind plate


Modulo triplo cieco
triple blind plate


Spazio per targhetta adesiva 9x15 da ordinare a parte - *Label sticker space (9x15mm) on request*
cod. 2239000005

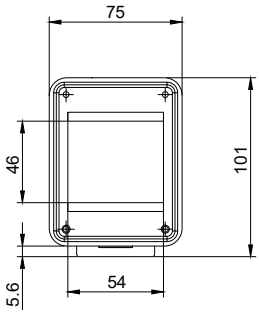
MODELLI *Models*	**Codice** *Code*	**Descrizione** *Description*	**Confezione** *Packaging*	**Moduli occupati** *Plates nr.*
RJ45 Cat.6a f/f	2231000010	M1KE - Modulo con RJ45 Cat.6a f/f - *RJ45 Cat.6a Plate*	5	1
RJ45-90 Cat.6a f/f	2231000020	M1KO - Modulo con RJ45-90 Cat.6a f/f - *RJ45-90 Cat.6a Plate*	5	1
USB 2.0 f/f	2231000025	M1KU - Modulo con USB2.0 f/f - *USB2.0 Plate*	5	1
USB 3.0 f/f	2231000030	M1KF - Modulo con USB3.0 f/f - *USB3.0 Plate*	5	1
USB-C f/f	2231000035	M1KC - Modulo con USB-C f/f - *USB-C Plate*	5	1
HDMI f/f	2231000040	M1KH - Modulo con HDMI f/f - *HDMI Plate*	5	1
SCHUKO 230V	2231000045	M3SC0 - Modulo con SCHUKO 230V - *Schuko Plate 230V*	5	3
Presa Francese 230V *French socket 230 V*	2231000060	M3FR - Modulo con presa Francese 230V *Module with French socket 230 V*	5	3
Presa Inglese 230V *English socket 230 V*	2231000065	M3UK - Modulo con Presa Inglese/Irlandese 230V *Module with English/Irish socket 230 V*	5	3
Targetta Adesiva *Label sticker*	2239000005	Targhette adesive prefustellate 9x15 bianche in PVC *PVC label sticker 9x15*	1 foglio con 77 pz. *1 sheet 77 pcs.*	-
Modulo singolo cieco	2239000025	M1C - Modulo singolo cieco - *Single blind plate*	5	1
Modulo triplo cieco	2239000050	M3C - Modulo triplo cieco - *Triple blind plate*	5	3
Guida DIN *DIN guide*	2239800110	Guida DIN per DTS-LINK3 - *Din guide*	5	-
	2239800115	Guida DIN per DTS-LINK4 - *Din guide*	5	-
	2239800125	Guida DIN per DTS-LINK6 - *Din guide*	5	-
	2239800130	Guida DIN per DTS-LINK8 - *Din guide*	5	-

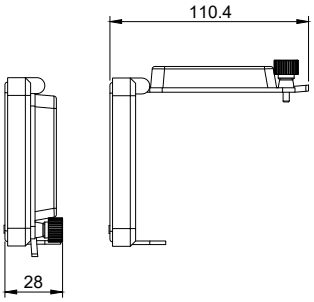
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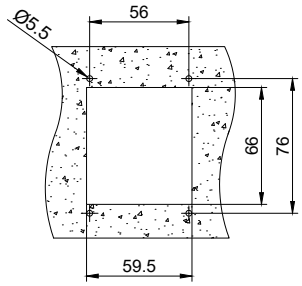
DTS-LINK

DTS-LINK 3



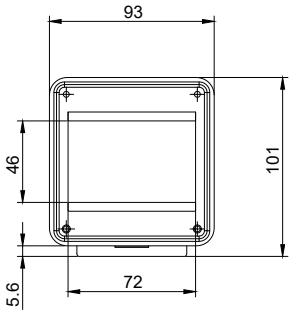


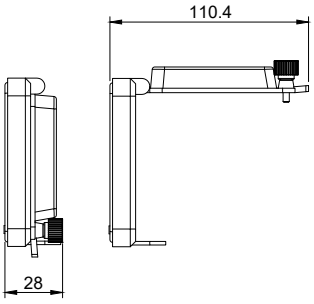


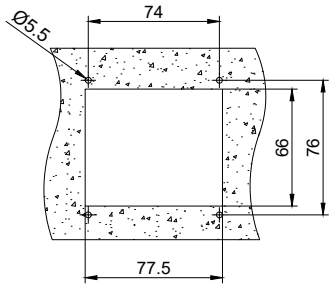


DTS-LINK 4



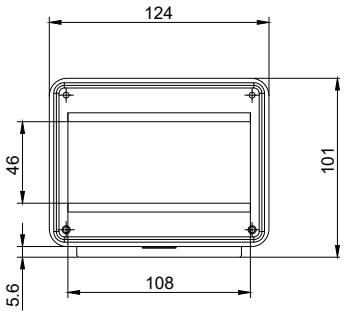


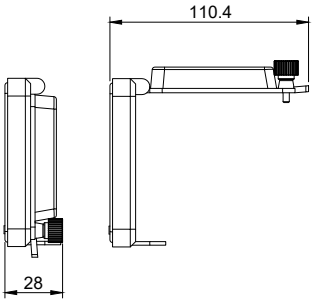


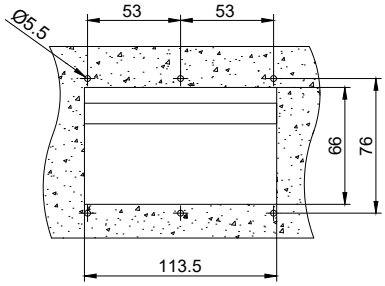


DTS-LINK 6



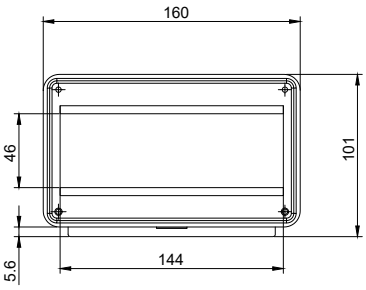


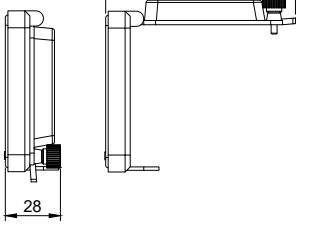


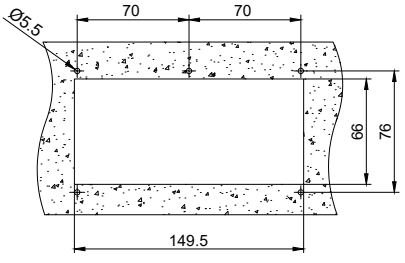


DTS-LINK 8









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Our range of panel mounting connectors

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in versioni Ø 16, 20 e 22.

Tappo con grado di protezione IP65/ IP67.

Panel service sockets available
in Ø 16, 20, 22 versions.

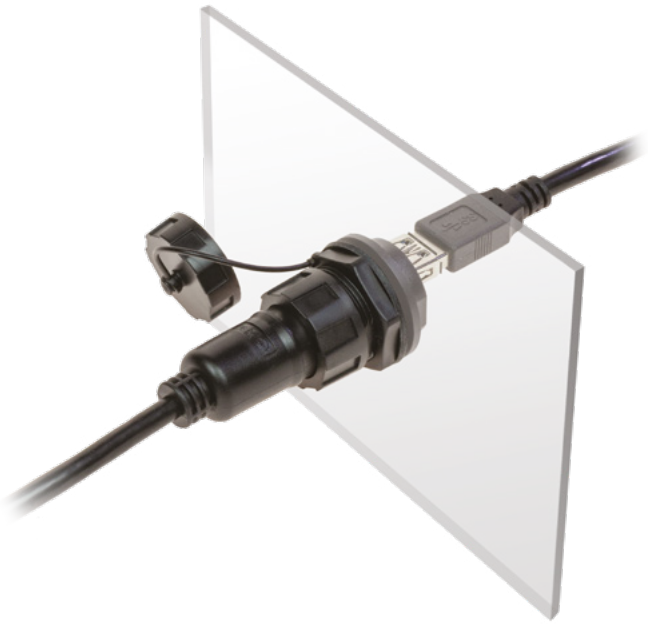
Cap with IP65/IP67 protection degree.



PRESE A PANNELLO Ø 16 E 20 CON CAVO PRECABLATO DEDICATO IP67
Panel sockets ø 16 and 20
with dedicated overmolded cable IP67

Disponibili cavi precablati da abbinare alle prese di servizio a pannello Ø 16 e 20. Il grado di protezione IP67 è garantito sia con che senza connettore.

Overmolded cables available to match the Ø 16 and 20 panel service sockets. The IP67 protection degree is guaranteed both with and without connector.



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PS-P22

Corpo in alluminio o plastica
Tappo IP65 incluso
Aluminum or plastic body
IP65 cap included

IP65

RoHS COMPLIANT

CE



SPECIFICHE TECNICHE - *Technical specifications*

Diametro foratura *Diameter cut-out*	Materiale *Material*	Spessore Lamiera *Panel thickness*	Temperatura operativa *Operating temperature*	Umidità operativa *Operating humidity*	**Velocità di trasmissione -** *transmission rating*		
					USB2.0/USB Mini/ Micro - USB	USB 3.0	USB - C
22 mm	Metallo - *Metal* Plastica - *Plastic*	1 - 10 mm	-25°C... +55°C	45-85%RH	>30MB/s	>100MB/s	10GBps (5A fast charging)

MODELLI *Models*	**Tipo / fronte** *Type / front*	**Tipo / retro** *Type / back*	**Modello** *Model list*	**Codice** *Code*	**Descrizione** *Description*
	RJ45 Cat.6 Femmina *Female*	RJ45 Cat.6 Femmina *Female*	PS-P22PR45	4302212185	Presa a pannello RJ45 cat.6 plastica F/F *Panel RJ45 Cat.6 plastic connector F/F*
	USB 3.0 Femmina *Female*	USB 3.0 Femmina *Female*	PS-P22PU3	4302212110	Presa a pannello USB 3.0 plastica F/F *Panel USB 3.0 Cat.6 plastic connector F/F*
	USB-B Femmina *Female*	USB-A Femmina *Female*	PS-P22PUB	4302212120	Presa a pannello USB-B plastica F/F (Retro USB-A) *Panel USB-B plastic connector F/F (Rear USB-A)*
	USB-C Femmina *Female*	USB 3.0 Femmina *Female*	PS-P22MUC	4302212150	Presa a pannello USB-C F/F Metallo (Retro USB 3.0) *Panel USB-C metal connector F/F (Rear USB 3.0)*
	USB-Mini 2.0 Femmina *Female*	USB-Mini 2.0 Maschio *Male*	PS-P22MMIU	4302212160	Presa a pannello USB-Mini F/M Metallo *Panel USB-Mini metal connector F/M*
	USB-Micro 2.0 Femmina *Female*	USB-Micro 2.0 Maschio *Male*	PS-P22MMOU	4302212170	Presa a pannello USB Micro F/M Metallo *Panel USB-Micro metal connector F/M*
	HDMI Femmina *Female*	HDMI Femmina *Female*	PS-P22MH	4302212190	Presa a pannello HDMI F/F Metallo *Panel HDMI metal connector F/F*
	2 x USB 2.0 Femmina *Female*	2 x USB 2.0 Femmina *Female*	PS-P22MU2X2	4302212290	Presa a pannello 2 x USB 2.0 F/F ø 22 mm in metallo *Panel 2 x USB 2.0 metal connector F/F ø 22 mm*
	-	-	PS-T22IP65	4302212200	Tappo nero IP65 per presa a pannello ø 22 mm *IP65 cap for panel mounting ø 22 mm*

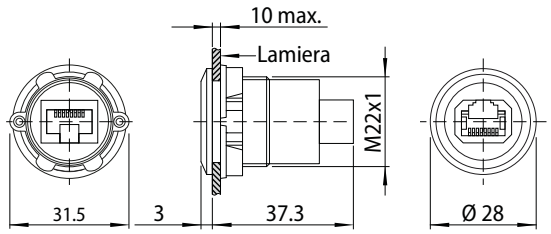
TAPPO COMPRESO NELLA FORNITURA DELLA PRESA A PANNELLO - *protection cap included with the panel connector*

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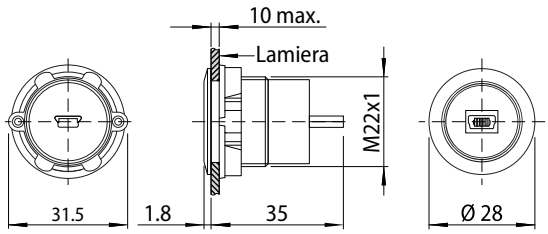
PS-P22

DIMENSIONI E FORATURE [mm] - *Dimensions and holes [mm]*

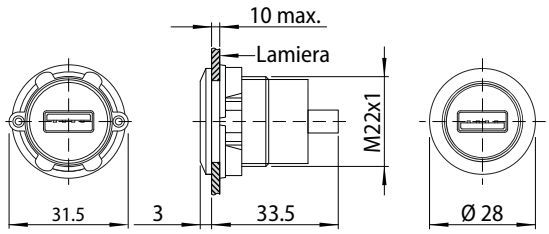
RJ45 Cat.6 - Mod. PS-P22PR45



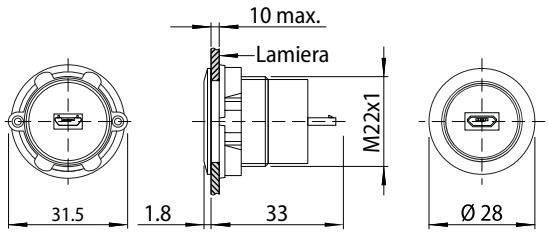
USB-Mini 2.0 - Mod. PS-P22MMIU



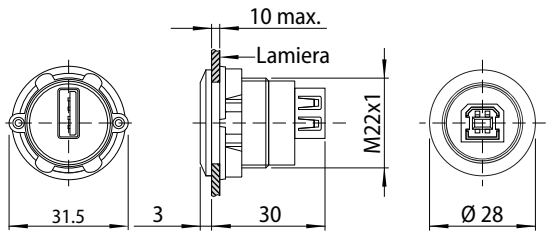
USB 3.0 - Mod. PS-P22PU3



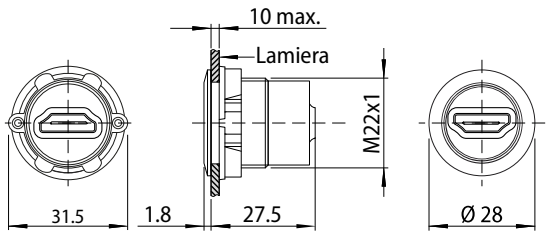
USB-Micro 2.0 - Mod. PS-P22MMOU



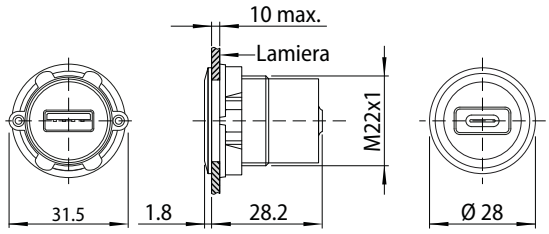
USB-B - Mod. PS-P22PUB



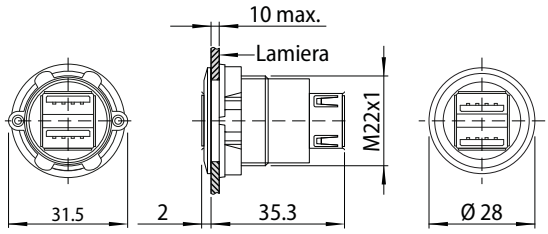
HDMI - Mod. PS-P22MH



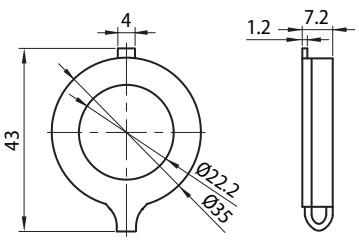
USB-C - Mod. PS-P22MUC



2 x USB 2.0 - Mod. PS-P22MU2X2



TAPPO IP65 - Mod. PS-T22IP65



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PS-P16 / P20

Corpo in plastica
Tappo IP67 incluso
Plastic body
IP67 cap included






IP67

RoHS COMPLIANT

CE

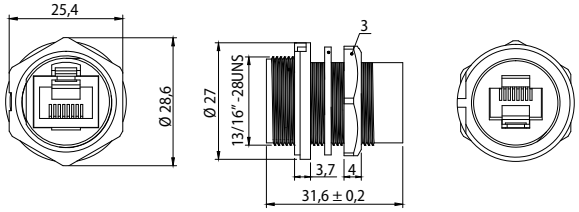
SPECIFICHE TECNICHE - *Technical specifications*

Diametro foratura *Diameter cut-out*	Materiale *Material*	Spessore Lamiera *Panel thickness*	Temperatura operativa *Operating temperature*	Umidità operativa *Operating humidity*	**Velocità di trasmissione -** *transmission rating*		
					USB2.0/USB Mini/ Micro - USB	USB 3.0	USB - C
20 e 16 mm	PA66	1 - 4 mm	-40°C... +80°C	45-85%RH	>30MB/s	>100MB/s	10GBps (5A fast charging)

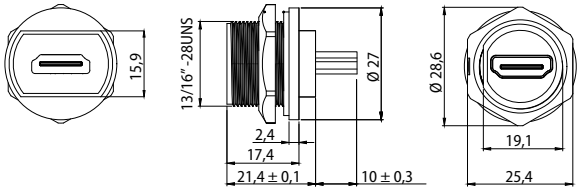
MODELLI *Models*	**Tipo / fronte** *Type / front*	**Tipo / retro** *Type / back*	**Modello** *Model list*	**Codice** *Code*	**Descrizione** *Description*
	Femmina *Female* RJ45	Femmina *Female* RJ45	PS-P20PR45	4302212480	Presa a pannello in plastica RJ45 cat.6a F/F *Panel RJ45 Cat.6A plastic connector F/F*
	Femmina *Female* USB 3.0	Femmina *Female* USB 3.0	PS-P20PU3	4302212410	Presa a pannello in plastica USB 3.0 F/F *Panel USB 3.0 plastic connector F/F*
	Femmina *Female* HDMI	Maschio *Male* HDMI	PS-P20PH	4302212490	Presa a pannello in plastica HDMI F/F *Panel HDMI plastic connector F/F*
	Femmina *Female* USB-C	Femmina *Female* USB-C	PS-P16PUC	4302212450	Presa a pannello in plastica USB C F/F *Panel USB-C plastic connector F/F*

DIMENSIONI E FORATURE [mm] - *Dimensions and holes [mm]*

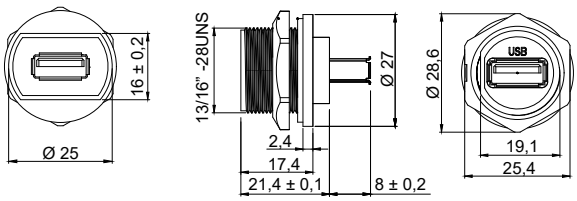
RJ45 - Mod. PS-P20PR45



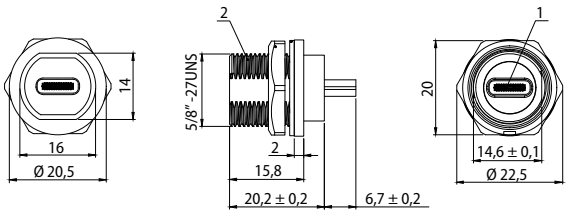
HDIM - Mod. PS-P20PH



USB 3.0 - Mod. PS-P20PU3



USB C - Mod. PS-P16PUC



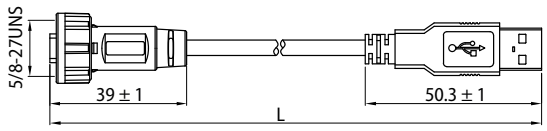
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PS-P16 / P20

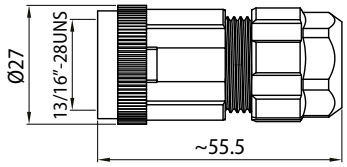
MODELLI *Models*	**Tipo / lato A** *Type / side A*	**Tipo / lato B** *Type / side B*	**Lunghezza** *Length*	**Modello** *Model*	**Codice** *Code*	**Descrizione** *Description*
Lato A *Side A* 	**IP67** Maschio *Male* USB C	Maschio *Male* USB 3.0	2 m	PS-C16PUC320	4302212455	Cavo USB-C M/M 2 m per PS-P16PUC *USB-C M/M cable 2 m for PS-P16PUC*
Lato A *Side A* 	**IP67** Maschio *Male* USB 3.0	Maschio *Male* USB 3.0	2 m	PS-C20PU320	4302212415	Cavo USB3.0 M/M 2 m per PS-P20PU3 *USB3.0 M/M cable 2 m for PS-P20PU3*
	Cavo non incluso *Cable not included*			PS-C20PR45	4302212475	Custodia waterproof per cavo RJ45 standard per PS-P20PR45. Cavo non incluso. *Waterproof housing for RJ45 cable for PS-P20PR45. Cable not included.*

DIMENSIONI [mm] - *Dimensions [mm]*

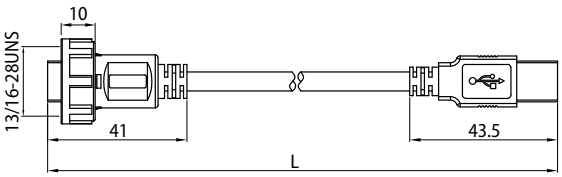
USB C - Mod. PS-C16PUC320



CUSTODIA - *Case* Mod. PS-C20PR45



USB 3.0 - Mod. PS-C20PU320



Altri modelli
(cablaggi, esecuzioni speciali, ecc.)
su richiesta

Other models
(wiring, customised, etc.)
on request

MODELLI *Models*	**Tipo / lato A** *Type / side A*	**Tipo / lato B** *Type / side B*	**Lunghezza** *Length*	**Codice** *Code*	**Descrizione** *Description*
	Maschio *Male* USB 3.0	Maschio *Male* USB 3.0	0,5 m	3290701121	Cavo USB 3.0 prolunga tipo A/A maschio/maschio 0,5 m *USB 3.0 extension cable type A/A male/male 0,5 m*
			1 m	3290701122	Cavo USB 3.0 prolunga tipo A/A maschio/maschio 1 m *USB 3.0 extension cable type A/A male/male 1 m*
			1,8 m	3290701123	Cavo USB 3.0 prolunga tipo A/A maschio/maschio 1,8 m *USB 3.0 extension cable type A/A male/male 1,8 m*

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GDC

3 POLI / *poles*

IP68

RoHS COMPLIANT

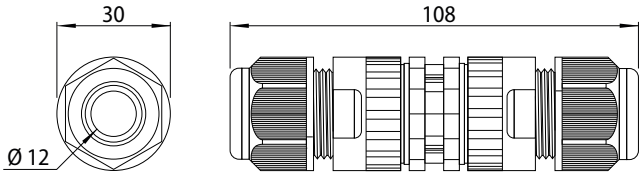
CE





Materiale custodia - *Housing Material*	PA66
Materiale contatti - *Terminal material*	Ottone nichelato *Nichel-plated brass*
Temperatura operativa - *Operating temperature*	-40°C... +105°C

DIMENSIONI [mm] - *Dimensions [mm]*



GIUNTO PER CAVO *Junction for cable*	**Codice** *Code*	**Nr. poli** *Poles nr.*	**Tensione nom.** *Voltage rating*	**Corrente nom.** *Current rating*	**Sezione cavo** *Wire section*	**Ø cavo** *Wire Ø*
Giunto di connessione IP68 con morsetto tripolare *IP68 junction connector with three-pole terminal*	4302212060	3	450 V	24 A	0,08 mm² -2,5 mm²	5 - 9 mm 9 - 12 mm 10 - 14 mm

RJ45

IP68

RoHS COMPLIANT

CE

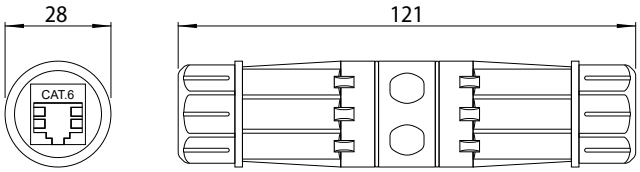




NEW

Materiale custodia - *Housing Material*	PA66
Anello impermeabile - *Waterproof O-ring*	PBT ritardante di fiamma *flame retardant PBT*
Temperatura operativa - *Operating temperature*	-20 ... +68°C
Filettatura - *Thread*	M24x1,5

DIMENSIONI [mm] - *Dimensions [mm]*



GIUNTO PER CAVO ETHERNET RJ45 F/F *Junction for ethernet cable RJ45*	**Codice** *Code*	**Categoria** *Category*	**Ø cavo** *Wire Ø*
Giunto di connessione IP68 femmina/femmina per RJ45 *Junction connector IP68 female/female RJ45*	4302212051	cat. 6	4,5 - 7,5 mm

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Industrial Ethernet Switches 5, 8, 16 ports

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Compatible with a wide range of fieldbus protocols and all ETHERNET standards.



5 Porte - *Ports*



8 Porte - *Ports*



16 Porte - *Ports*

MODELLI *Models*	10/100 MBits		
	ESN5010	**ESN8010**	**ESN16010**
Codice - *Code*	3280050100	3280080100	3280160100
Tipo switch -*Switch type*	Unmanaged industrial switches		
Porte -*Ports*	5*10/100 Base-T	8*10/100 Base-T	16*10/100 Base-T
Protezione -*Protection*	IP40		
Installazione -*Setting*	Guida DIN - *DIN rail*		
Tipo di cavo e distanza - *Cable type and distance*	Twisted-Pair 0÷100 m		
Indicatori LED -*LED indicators*	PWR, OPT, NMC, ALM	Power Link/ACT-LED	Power Link/ACT-LED
Connettore di alimentazione - *Power connector*	Morsetto, doppia alimentazione - *Clamp, dual power supply*		
Tensione d'ingresso - *Input voltage*	12 ÷ 58 VDC		
Consumo energetico totale *Total power consumption*	<5 W	<6 W	<10 W
Topologia network - *Network topology*	Stella, Bus, Albero, Ibrida - *Star, Bus, Tree, Hybrid*		
Funzioni supportate *Supported functions*	Auto-MDX/MIDX, Jumbo frame, Flow control, Storm Control, Port-Isolation	Auto-MDX/MIDX	
Dimensioni - *Dimensions* (W×H×D)	31 x 91 x 118 mm	48 x 104 x 143 mm	48 x 104 x 143 mm
Peso - *Weight*	0,36 kg	0,55 kg	0,8 kg
Temperatura operativa - *Operating temperature*	-30°C... +75°C		
Umidità relativa - *Relative humidity*	5% ~ 90%		
Raffreddamento - *Cooling*	Senza ventola, raffreddamento naturale - *Fanless natural cooling*		
Conforme - *Compliance*	EN55032		
Certificazioni - *Certifications*	CE / RoHS / FCC		

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Industrial Ethernet Switches 5, 8, 16 ports

ESN

MODELLI *Models*	**1 Gigabit**		
	ESN5100	**ESN8100**	**ESN16100**
Codice - *Code*	3280051000	3280081000	3280161000
Tipo switch - *Switch type*	Unmanaged industrial switches		
Porte - *Ports*	5*Gigabit Base-T	8*Gigabit Base-T	16*Gigabit Base-T
Protezione - *Protection*	IP40		
Installazione - *Setting*	Guida DIN - *DIN rail*		
Tipo di cavo e distanza - *Cable type and distance*	Twisted-Pair 0÷100 m		
Indicatori LED - *LED indicators*	PWR, Link/ACT LED	PWR, OPT, NMC, ALM	PWR, Link ACT LED
Connettore di alimentazione - *Power connector*	Morsetto, doppia alimentazione - *Clamp, dual power supply*		
Tensione d'ingresso - *Input voltage*	12 ÷ 30 VDC		
Consumo energetico totale *Total power consumption*	<5 W	<6 W	<10 W
Topologia network - *Network topology*	Stella, Bus, Albero, Ibrida - *Star, Bus, Tree, Hybrid*		
Funzioni supportate - *Supported functions*	Auto-MDX/MIDX, Jumbo frame, Flow control, WatchDog, Port Isolation		
Dimensioni - *Dimensions* (W×H×D)	31 x 91 x 118 mm	48 x 104 x 143 mm	48 x 104 x 143 mm
Peso - *Weight*	0,4 kg	0,5 kg	0,8 kg
Temperatura operativa - *Operating temperature*	-30°C... +75°C		
Umidità relativa -*Relative humidity*	5% ~ 90%		
Raffreddamento -*Cooling*	Senza ventola, raffreddamento naturale - *Fanless natural cooling*		
Conforme - *Compliance*	EN55032		
Certificazioni -*Certifications*	CE / RoHS / FCC		

CONFIGURAZIONE - *Configuration*

ESN5010-DIP Switch	
1 LFP	Reserve
2 LGY	Reserve
3 VLAN	Port Isolation
4 BSR	Storm Control Configuration

ESN8010-DIP Switch	
1 QI	QoS
2 BSR	Storm control Configuration
3 VLAN	Port Isolation
4 FP	Flow Control

ESN5100-DIP Switch	
1 LFP	LFP/ Remote PD Reset
2 LGY	Reserve
3 VLAN	Port Isolation
4 RST	Reset

ESN8100-DIP Switch	
1 LFP	Reserve
2 LGY	Reserve
3 VLAN	Port Isolation
4 RST	Reset

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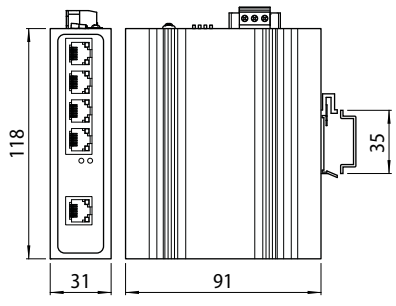
Ethernet switch industriali 5, 8, 16 porte
Industrial Ethernet Switches 5, 8, 16 ports

ESN

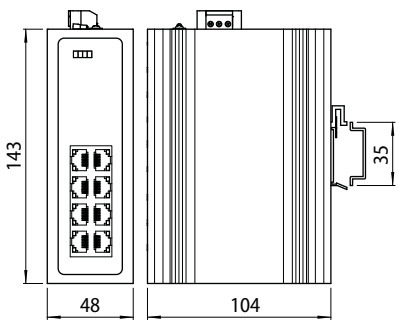
MODELLI *Models*	**10/100 MBits con PoE** - *with PoE*		**1 Gigabit con PoE** - *with PoE*
	ESN5012	**ESN8012**	**ESN5102**
Codice - *Code*	3280050104	3280080104	3280051004
Tipo switch - *Switch type*	Unmanaged industrial switches		
Porte - *Ports*	5*10/100 Base-TX	8*10/100 Base-TX	5*Gigabit Base-TX
Protezione - *Protection*	IP40		
Installazione - *Setting*	Guida DIN - *DIN rail*		
Tipo di cavo e distanza - *Cable type and distance*	Twisted-Pair 0÷100 m		
Indicatori LED - *LED indicators*	PWR, Link/ACT LED		
Connettore di alimentazione - *Power connector*	Morsetto, doppia alimentazione - *Clamp, dual power supply*		
Tensione d'ingresso - *Input voltage*	12 ÷ 30 VDC	24 ÷ 36 VDC	12 ÷ 58 VDC
Consumo energetico totale *Total power consumption*	A pieno carico <126 W, Singola Porta 30 W		A pieno carico <125 W, Singola Porta 30 W
Topologia network - *Network topology*	Stella, Bus, Albero, Ibrida - *Star, Bus, Tree, Hybrid*		
Funzioni supportate - *Supported functions*	Auto-MDX/MIDX, Jumbo Frame, WhatchDog, Port-Isolation, FlowControl, Restart with Checking Port Automatically, VLAN Isolation, VIP Power Supply and QoS		
Porte PoE - *PoE port*	1-4	1-8	1-4
Protocolli PoE - *PoE Protocol*	802.3af/802.3at		802.3af/802.3at/802.3bt
Pin assegnati - *Pin Assignment*	1, 2 - 3, 6		1, 2 - 3, 6 / 1, 2, 4, 5 - 3, 6, 7, 8
Dimensioni - *Dimensions* (W×H×D)	48 x 104 x 143 mm		31 x 91 x 118 mm
Peso - *Weight*	0,4 kg	0,5 kg	0,4 kg
Temperatura operativa - *Operating temperature*	-30°C... +75°C		
Umidità relativa - *Relative humidity*	5% ~ 90%		
Raffreddamento - *Cooling*	Senza ventola, raffreddamento naturale - *Fanless natural cooling*		
Conforme - *Compliance*	EN55032		
Certificazioni - *Certifications*	CE / RoHS / FCC		

DIMENSIONI [mm] - *Dimensions [mm]*

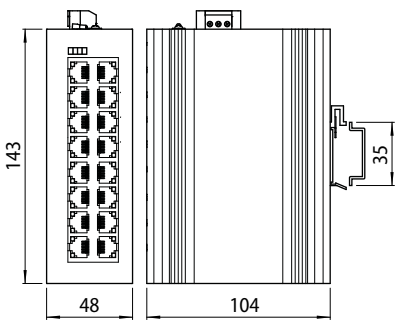
ESN5010 - 5*10/100 base-T
ESN5100 - 5*10/100/1000 base-T
ESN5102 - 5*10/100/1000 base-T con PoE



ESN8010 - 8*10/100 base-T
ESN8100 - 8*10/100/1000 base-T
ESN5012 - 5*10/100 base con PoE
ESN8012 - 8*10/100 base-T con PoE



ESN16010 - 16*10/100 base-T
ESN16100 - 16*10/100/1000 base-T



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UL certified Industrial Ethernet Switches 5, 8, 16 ports

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5 Porte - *Ports*



8 Porte - *Ports*



16 Porte - *Ports*

MODELLI *Models*	10/100 MBits		
	ESNU5010	**ESNU8010**	**ESNU16010**
Codice - *Code*	3280050105	3280080105	3280160105
Tipo switch *-Switch type*	Unmanaged industrial switches		
Porte *-Ports*	5*10/100 Base-T	8*10/100 Base-T	16*10/100 Base-T
Protezione *-Protection*	IP30		
Installazione *-Setting*	Guida DIN, montaggio a parete - *DIN rail, wall mounting*		
Tipo di cavo e distanza - *Cable type and distance*	Twisted-Pair 0÷100 m		
Indicatori LED *-LED indicators*	Power, On-Link/Flash-data tx-rx	Power 1, Power 2, Fault, Link Active/Speed	
Connettore di alimentazione - *Power connector*	Morsetto, doppia alimentazione - *Clamp, dual power supply*		
Tensione d'ingresso - *Input voltage*	12 ÷ 48 VDC		
Consumo energetico totale *Total power consumption*	Max. 1,2 W	Max. 3,5 W	
Topologia network - *Network topology*	Stella, Bus, Albero, Ibrida - *Star, Bus, Tree, Hybrid*		
Funzioni supportate *Supported functions*	MDI/MDI-X, Auto-Negotiation, Full/Half Duplex, Flow Control		MDI/MDI-X, Jumbo Frame, Auto-Negotiation, Full/Half Duplex, Flow Control
Dimensioni - *Dimensions* (W×H×D)	26 x 95 x 75 mm	30 x 140 x 95 mm	46 x 142 x 99 mm
Peso - *Weight*	0,30 kg	0,45 kg	0,63 kg
Temperatura operativa - *Operating temperature*	-10°C... +65°C		
Umidità relativa - *Relative humidity*	5% ~ 90%		
Raffreddamento - *Cooling*	Senza ventola, raffreddamento naturale - *Fanless natural cooling*		
Conforme - *Compliance*	CE EN55032/EN61000-6-4 Class A, FCC Part 15 Subpart B Class A, CE EN55024/EN61000-6-2		
Certificazioni - *Certifications*	UL / CE / RoHS / FCC		

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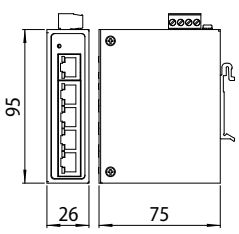
Ethernet switch industriali
5, 8, 16 porte certificati UL
UL certified Industrial Ethernet Switches 5, 8, 16 ports

ESNU

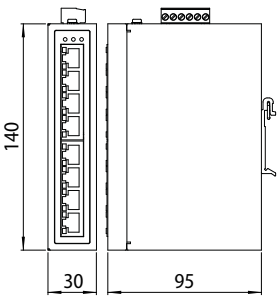
MODELLI *Models*	1 Gigabit		
	ESNU5100	**ESNU8100**	**ESNU16100**
Codice - *Code*	3280051005	3280081005	3280161005
Tipo switch - *Switch type*	Unmanaged industrial switches		
Porte - *Ports*	5*Gigabit Base-T	8*Gigabit Base-T	16*Gigabit Base-T
Protezione - *Protection*	IP30		
Installazione - *Setting*	Guida DIN, montaggio a parete - *DIN rail, wall mounting*		
Tipo di cavo e distanza - *Cable type and distance*	Twisted-Pair 0÷100 m		
Indicatori LED - *LED indicators*	Power, On-Link/Flash-data tx-rx	Power 1, Power 2, Fault, Link Active/Speed	
Connettore di alimentazione - *Power connector*	Morsetto, doppia alimentazione - *Clamp, dual power supply*		
Tensione d'ingresso - *Input voltage*	12 ÷ 30 VDC		
Consumo energetico totale *Total power consumption*	<5 W	<6 W	<10 W
Topologia network - *Network topology*	Stella, Bus, Albero, Ibrida - *Star, Bus, Tree, Hybrid*		
Funzioni supportate - *Supported functions*			
Dimensioni - *Dimensions* (W×H×D)	26 x 95 x 75 mm	30 x 140 x 95 mm	67 x 142 x 99 mm
Peso - *Weight*	0,3 kg	0,52 kg	1,12 kg
Temperatura operativa - *Operating temperature*	-10°C... +65°C		
Umidità relativa -*Relative humidity*	5% ~ 90%		
Raffreddamento -*Cooling*	Senza ventola, raffreddamento naturale - *Fanless natural cooling*		
Conforme - *Compliance*	CE EN55032/EN61000-6-4 Class A, FCC Part 15 Subpart B Class A, CE EN55024/EN61000-6-2		
Certificazioni -*Certifications*	UL / CE / RoHS / FCC		

DIMENSIONI [mm] - *Dimensions [mm]*

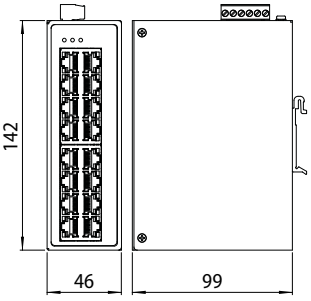
ESNU5010 - 5*10/100 base-T
ESNU5100 - 5*Gigabit Base-T



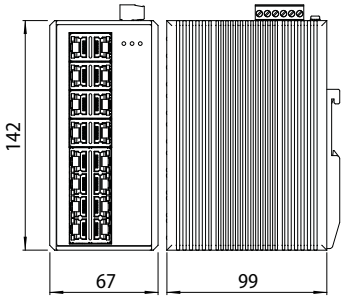
ESNU8010 - 8*10/100 base-T
ESNU8100 - 8*Gigabit Base-T



ESNU16010 - 16*10/100 base-T



ESNU16100 - 16* Gigabit Base-T



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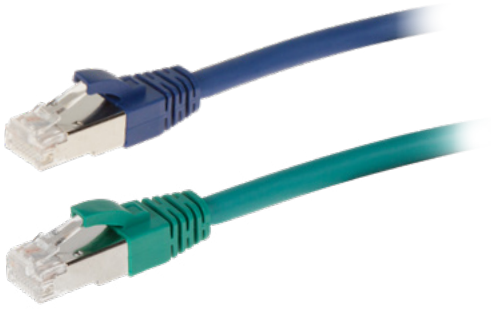
NEW

Cavi e connettori RJ45
RJ45 cables and connectors

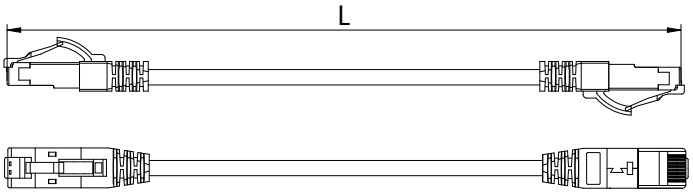
CAVI DI CONNESSIONE DATI RJ45
RJ45 data connection cables

Cavo Ethernet, RJ45 Maschio diritto - RJ45 maschio diritto.
Categoria 6A - Standard 10GBASE-T
(velocità 10 Gbit, frequenza 500 MHz).
8 poli con contatti dorati.
Conduttore 100% Rame - 4× 2× AWG26.
Cavo schermato S/FTP (doppia schermatura).
Guaina LS0H (Low Smoke zero Halogen) per uso industriale.
Diametro esterno 6,2 mm.
Altre versioni e lunghezze su richiesta.
Certificazione UL (solo su versione blu).

Ethernet cable, RJ45 Male straight - RJ45 male straight.
Category 6A - Standard 10GBASE-T
(10 Gbit speed, 500 MHz frequency).
8 poles with gold contacts.
Conductor 100% Copper - 4 × 2 × AWG26.
S / FTP shielded cable (double shielded).
LS0H sheath (Low Smoke zero Halogen) for industrial use.
External diameter 6,2 mm.
Other versions and lengths on request.
UL certification (only for the blu version).



DIMENSIONI [mm] - *Dimensions [mm]*



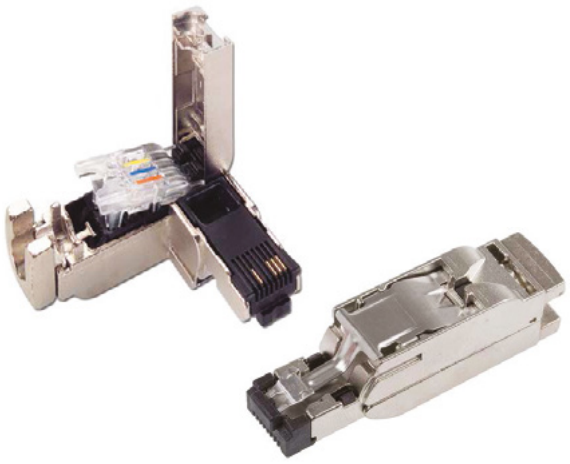
DESCRIZIONE *Description*	**Lunghezza (L)** *Length (L)*	**Codice** *Code*	**Colore** *Color*
Cavo ethernet RJ45/RJ45 8 pin Cat.6A Schermatura S/FTP *Ethernet cable RJ45/RJ45* *8 pin* *Cat.6A* *S/FTP shielding*	0,5 m	3290700700	Blu - *Blue*
	1 m	3290700701	
	2 m	3290700702	
	5 m	3290700705	
	0,3 m	3290700803	Verde - *Green*
	0,5 m	3290700805	
	1,0 m	3290700810	
	2,0 m	3290700820	
	3,0 m	3290700830	
	5,0 m	3290700850	
	10 m	3290700860	
	15 m	3290700870	
	20 m	3290700226	
NEW	30 m	3290700900	

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CONNETTORI RJ45 A CABLARE IN METALLO
Metal wireable RJ45 connectors

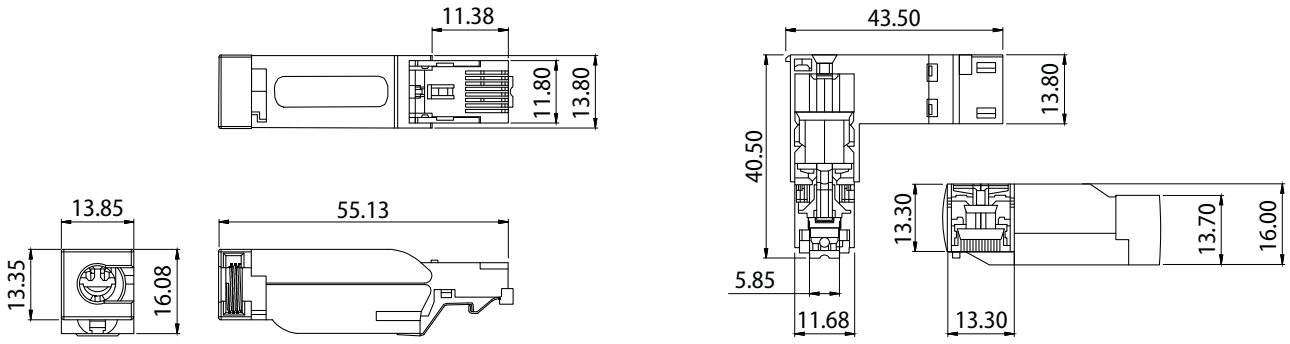
Connettore RJ45 femmina a cablare in metallo.
Disponibile nella versione a 180° (diritta) o a 90° (angolare).
Cablaggio a perforazione d'isolante IDC.
Montaggio senza utensili per applicazioni industriali.
Poli con contatti dorati.
Sezione conduttori AWG24 - AWG22.
Corpo metallico per schermatura EMC.
Diametro cavo massimo 7 mm.
Temperatura operativa: -20°C... +70°C.

Field wireable connectors RJ45 female with metal case.
Available in 180°(straight) or 90°(angled) version.
Insulation Displacement connectors (IDC).
Tool-free assembly for industrial applications.
Poles with gold contacts.
Conductors section AWG24 - AWG22.
Metal body for EMC shielding.
Maximum cable diameter 7mm.
Operating temperature: -20°C... +70°C.



CODICE *Code*	**Tipo** *Type*	**Pin**	**Categoria** *Category*	**Dimensioni [mm]** *Dimensions [mm]*
4100000001	180° (dritto) - *straight version*	4	Cat. 5e - 10/100 Base - T	55,1 x 13,8 x 16,1
4100000002	90° (angolare) - *angled version*	4	Cat. 5e - 10/100 Base - T	43,5 x 40,5 x 16
4100000003	180° (dritto) - *straight version*	8	Cat. 6 - 1000 Base - TX	55,1 x 13,8 x 16,1

DIMENSIONI [mm] - *Dimensions [mm]*



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CONNETTORI M8 - *M8 connectors*



Connettori circolari miniaturizzati con chiusura a vite.
Ampia gamma di connettori metrici M8 e M12 per piccoli sensori e attuatori. Schermati IP67, questi connettori sono ideali per le reti di controllo industriali dove sono richiesti piccoli sensori.

Disponibili con cavi precablati, a cablare sul campo, per montaggio a pannello e prolughe.
Corpo in plastica.
Custodia in metallo con schermatura EMI a 360° (su richiesta).
Cavo schermato disponibile su richiesta.
M8 disponibili a 3 e 4 poli, M12 disponibili a 4, 5 e 8 poli (altre piedinature a richiesta per quantità).
Grado di protezione IP67.
Omologati secondo IEC 61076-2-104 (M8) e secondo IEC 61076-2-101 (M12).

CONNETTORI M12 - *M12 connectors*



Miniature circular connectors with screw fastening. Wide range of metric M8 and M12 connectors for small sensors and actuators. Shielded and IP-rated up to IP67, these connectors are ideally suitable for industrial control networks, where small sensors are required.

3 models available: overmolded, field-wireable and front mounting connectors.
Plastic body.
Metal case with 360° EMI shielding (on request).
Shielded cable available on request.
M8 are available with 3 and 4 contacts, M12 are available with 4, 5 and 8 contacts (other contacts available upon minimum quantity).
Degree of protection IP67.
Products comply with IEC 61076-2-104 standard (M8) and comply with IEC 61076-2-101 standard (M12).

SPECIFICHE TECNICHE - *Technical specifications*	**M8**	**M12**
Resistenza di contatto - *Contact impedance*	≤5 mΩ	
Resistenza di isolamento - *Insulation impedance*	>100 MΩ	
Grado di inquinamento - *Pollution degree*	3	
Temperatura operativa - *Operative temperature*	-25°C... +80°C	
Grado di protezione - *Ingress protection rating*	IP67 quando accoppiato - *when mated*	
Accoppiamento meccanico - *Mating cycles*	>= 500	
Codifica - *Encoding*	A (altre codifiche su richiesta - *other encodings on request*)	
Rivestimento cavo - *Cable jacket*	PVC (PUR su richiesta - *PUR on request*)	
Materiale del contatto - *Material of contact*	Ottone/Rame fosforoso placcato oro - *Brass/Phosphorus copper gold-plated*	
Materiale dell'isolamento - *Material of insulator*	PA66	PA + GF
Riempitivo - *Sealing material*	PVC	Resina epossidica/NBR - *Epoxy resin/NBR*
Norma IEC - *IEC standard*	IEC 61076-2-104	IEC 61076-2-101

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CONNETTORI M8 - *M8 connectors*

IP67



CONNETTORI M8 - PARAMETRI ELETTRICI
Connectors - Electrical parameters

Pin	**Maschio** - *Male*	**Corrente nominale** *Rated current*	**Tensione nominale** *Rated voltage*		**Dimensione del conduttore** *Conductor size*		**Femmina** - *Female*
	A		A/C	D/C	AWG	mm²	A
3		3A	60V	60V	24	0,20	
4		3A	60V	60V	24	0,20	

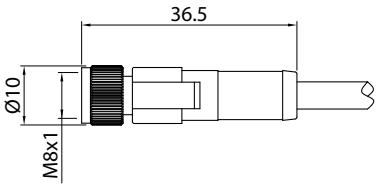
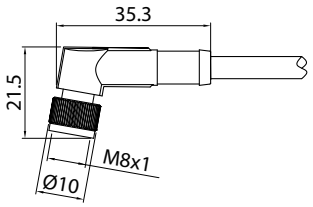
CABLAGGIO *Wire definition*	**PIN**	**Colore del cavo** *Wire core color*	
3 PIN	1	BN	
	2	/	
	3	BU	
	4	BK	

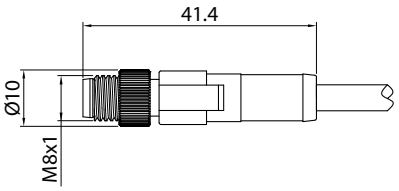
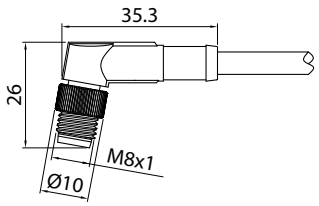
CABLAGGIO *Wire definition*	**PIN**	**Colore del cavo** *Wire core color*	
4 PIN	1	BN	
	2	WH	
	3	BU	
	4	BK	

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CONNETTORI M8 - *M8 connectors*

CONNETTORI M8 PRECABLATI - *M8 overmolded connectors*

Codifica: A *Coding: A* Materiale cavo: PVC *Cable material: PVC* Colore cavo e connettore: nero *Cable and connector colour: black*	**Pin**	**Lunghezza cavo [m]** *Cable lenght*	**Modello** *Model*	**Codice** *Code*	**Dimensioni [mm]** *Dimensions [mm]*
 180° Femmina - *Female*	3	3	DA08FD03BFX203	433Z000860	
		5	DA08FD03BFX205	433Z12335X	
		10	DA08FD03BFX210	433Z016355	
	4	3	DA08FD04BFX203	433Z12343X	
		5	DA08FD04BFX205	433Z016185	
		10	DA08FD04BFX210	433Z016425	
 90° Femmina - *Female*	3	3	DA08FA03BFX203	433Z12433X	
		5	DA08FA03BFX205	433Z12435X	
		10	DA08FA03BFX210	433Z12436X	
	4	3	DA08FA04BFX203	433Z12443X	
		5	DA08FA04BFX205	433Z12445X	
		10	DA08FA04BFX210	433Z12446X	

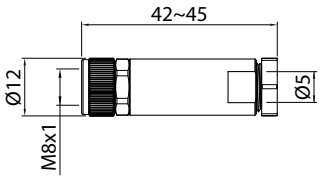
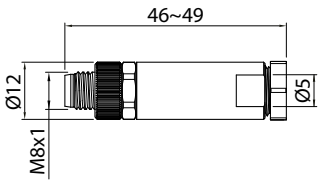
 180° Maschio - *Male*	3	3	DA08MD03BFX203	433Z12133X	
		5	DA08MD03BFX205	433Z12135X	
		10	DA08MD03BFX210	433Z12136X	
	4	3	DA08MD04BFX203	433Z12143X	
		5	DA08MD04BFX205	433Z12145X	
		10	DA08MD04BFX210	433Z12146X	
 90° Maschio - *Male*	3	3	DA08MA03BFX203	433Z12233X	
		5	DA08MA03BFX205	433Z12235X	
		10	DA08MA03BFX210	433Z12236X	
	4	3	DA08MA04BFX203	433Z12243X	
		5	DA08MA04BFX205	433Z12245X	
		10	DA08MA04BFX210	433Z12246X	

Altri modelli su richiesta - *Other models on request*

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CONNETTORI M8 - *M8 connectors*

CONNETTORI M8 A CABLARE - *M8 field-wireable connectors*

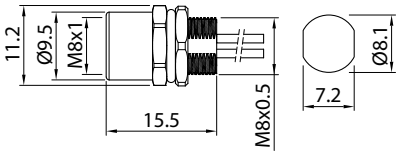
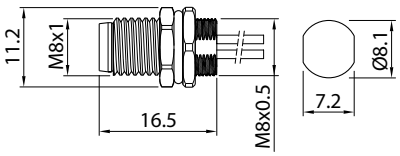
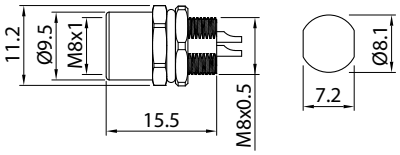
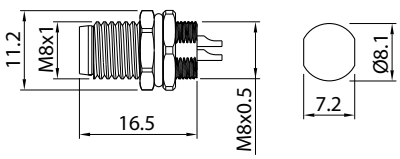
Codifica: A *Coding: A* Cablaggio a vite *Screw connection*	**Pin**	**Modello** *Model*	**Codice** *Code*	**Dimensioni [mm]** *Dimensions [mm]*
 180° Femmina - *Female*	3	DA08FD03CVB	433Z21331X	
	4	DA08FD04CVB	4331000750	
 180° Maschio - *Male*	3	DA08MD03CVB	4331001750	
	4	DA08MD04CVB	433Z21141X	

Versioni femmina e maschio 90° su richiesta - *Female and male 90° models on request*

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CONNETTORI M8 - *M8 connectors*

CONNETTORI M8 A PANNELLO - *M8 front mounting connectors*

Codifica: A *Coding: A* Montaggio frontale *Front mounting* **Fili uscenti 300 mm** *With wires 300 mm*	**Pin**	**Modello** *Model*	**Codice** *Code*	**Dimensioni [mm]** *Dimensions [mm]*
 Femmina - *Female*	3	DA08FD03FF30	433Z31313X	
	4	DA08FD04FF30	433Z31343X	
 Maschio - *Male*	3	DA08MD03FF30	433Z1111X	
	4	DA08MD04FF30	433Z32313X	
A saldare - *Wire soldering*	**Pin**	**Modello** *Model*	**Codice** *Code*	**Dimensioni** *Dimensions*
 Femmina - *Female*	3	DA08FD03FS	433Z31315X	
	4	DA08FD04FS	433Z31345X	
 Maschio - *Male*	3	DA08MD03FS	433Z31115X	
	4	DA08MD04FS	433Z31145X	

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CONNETTORI M12 - *M12 connectors*

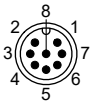
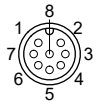
IP67

RoHS COMPLIANT

CE



CONNETTORI M12 - PARAMETRI ELETTRICI
Connectors - Electrical parameters

Pin	Maschio *Male*			Corrente nominale *Rated current*	Tensione nominale *Rated voltage*		Dimensione del conduttore *Conductor size*		Femmina *- Female*		
	A	B	D		A/C	D/C	AWG	mm²	A	B	D
3				4A	250V	250V	22	0,32			
4				4A	250V	250V	22	0,32			
5				4A	60V	60V	22	0,32			
8				2A	30V	30V	24	0,20			

CABLAGGIO *Wire definition*	PIN	Colore del cavo *Wire core colour*	
4 PIN	1	BN	
	2	WH	
	3	BU	
	4	BK	

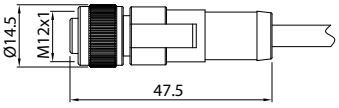
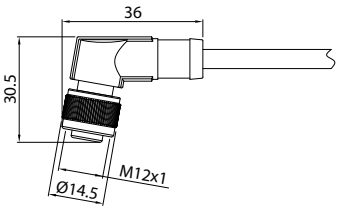
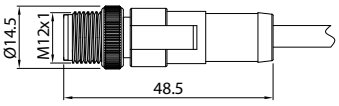
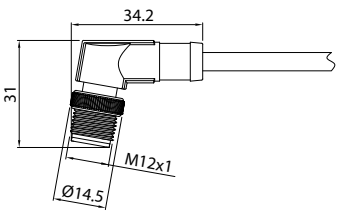
CABLAGGIO *Wire definition*	PIN	Colore del cavo *Wire core colour*	
5 PIN	1	BN	
	2	WH	
	3	BU	
	4	BK	
	5	GY	

CABLAGGIO *Wire definition*	PIN	Colore del cavo *Wire core colour*	
8 PIN	1	WH	
	2	BN	
	3	GN	
	4	YE	
	5	GY	
	6	PK	
	7	BU	
	8	RD	

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CONNETTORI M12 - *M12 connectors*

CONNETTORI M12 PRECABLATI - *M12 overmolded connectors*

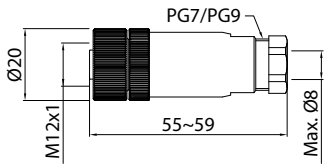
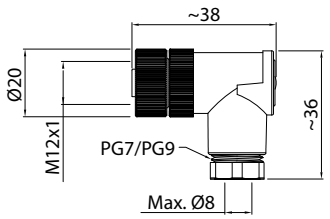
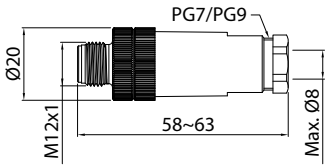
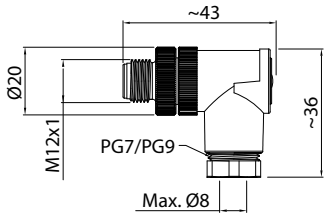
Codifica: A *Coding: A* Materiale cavo: PVC *Cable material: PVC* Colore cavo e connettore: nero *Cable and connector colour: black*	**Pin**	**Lunghezza cavo [m]** *Cable lenght*	**Modello** *Model*	**Codice** *Code*	**Dimensioni [mm]** *Dimensions [mm]*
 180° Femmina - *Female*	4	2	DA12FD04BFX302	433Z11342X	
		3	DA12FD04BFX303	433Z11343X	
		5	DA12FD04BFX305	433Z016990	
		10	DA12FD04BFX310	433Z11346X	
	5	2	DA12FD05BFX302	433Z11352X	
		3	DA12FD05BFX303	433Z11353X	
		5	DA12FD05BFX305	433Z11355X	
		10	DA12FD05BFX310	433Z11356X	
	8	3	DA12FD08BFX203	433Z482030	
		5	DA12FD08BFX205	433Z016685	
		10	DA12FD08BFX210	433Z11386X	
 90° Femmina - *Female*	4	3	DA12FA04BFX303	433Z017005	
		5	DA12FA04BFX305	433Z016985	
		10	DA12FA04BFX310	433Z017020	
	5	3	DA12FA05BFX303	433Z11453X	
		5	DA12FA05BFX305	433Z11455X	
		10	DA12FA05BFX310	433Z11456X	
	8	3	DA12FA08BFX203	433Z11483X	
		5	DA12FA08BFX205	433Z11485X	
		10	DA12FA08BFX210	433Z11486X	
 180° Maschio - *Male*	4	3	DA12MD04BFX303	433Z11143X	
		5	DA12MD04BFX305	433Z11145X	
		10	DA12MD04BFX310	433Z11146X	
	5	3	DA12MD05BFX303	433Z11153X	
		5	DA12MD05BFX305	433Z11155X	
		10	DA12MD05BFX310	433Z11156X	
	8	3	DA12MD08BFX203	433Z11183X	
		5	DA12MD08BFX205	433Z11185X	
		10	DA12MD08BFX210	433Z11186X	
 90° Maschio - *Male*	4	3	DA12MA04BFX303	433Z11243X	
		5	DA12MA04BFX305	433Z11245X	
		10	DA12MA04BFX310	433Z11246X	
	5	3	DA12MA05BFX303	433Z11253X	
		5	DA12MA05BFX305	433Z11255X	
		10	DA12MA05BFX310	433Z11256X	
	8	3	DA12MA08BFX203	433Z11283X	
		5	DA12MA08BFX205	433Z11285X	
		10	DA12MA08BFX210	433Z11286X	

Altri modelli su richiesta - *Other models on request*

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CONNETTORI M12 - *M12 connectors*

CONNETTORI M12 A CABLARE - *M12 field-wireable connectors*

Codifica: A *Coding: A* Cablaggio a vite *Screw connection*	**Pressacavo** *Strain relief*	**Pin**	**Modello** *Model*	**Codice** *Code*	**Dimensioni [mm]** *Dimensions [mm]*
 180° Femmina - *Female*	PG7	4	DA12FD04CV7B	4331006022	
		5	DA12FD05CV7B	4331006025	
		8	DA12FD08CV7B	433Z22381X	
	PG9	4	DA12FD04CV9B	4331006005	
		5	DA12FD05CV9B	4331006015	
		8	DA12FD08CV9B	4331006018	
 90° Femmina - *Female*	PG7	4	DA12FA04CV7B	433Z22441X	
		5	DA12FA05CV7B	433Z22451X	
		8	DA12FA08CV7B	433Z22481X	
	PG9	4	DA12FA04CV9B	433Z224411	
		5	DA12FA05CV9B	433Z224511	
		8	DA12FA08CV9B	433Z224811	
 180° Maschio - *Male*	PG7	4	DA12MD04CV7B	433Z22141X	
		5	DA12MD05CV7B	4331006030	
		8	DA12MD08CV7B	433Z22181X	
	PG9	4	DA12MD04CV9B	4331006010	
		5	DA12MD05CV9B	4331006020	
		8	DA12MD08CV9B	4331006748	
 90° Maschio - *Male*	PG7	4	DA12MA04CV7B	433Z22241X	
		5	DA12MA05CV7B	433Z22251X	
		8	DA12MA08CV7B	433Z22281X	
	PG9	4	DA12MA04CV9B	433Z222411	
		5	DA12MA05CV9B	433Z222511	
		8	DA12MA08CV9B	433Z222811	

Altri modelli su richiesta - *Other models on request*

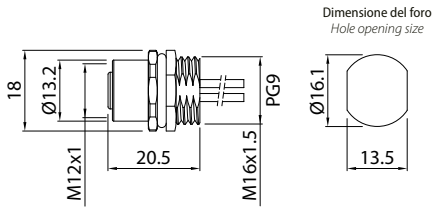
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CONNETTORI M12 - *M12 connectors*

CONNETTORI M12 A PANNELLO - *M12 front mounting connectors*

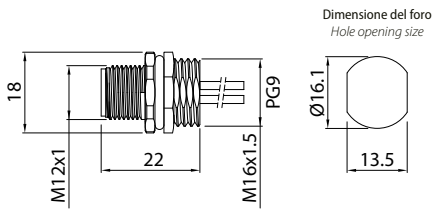
Codifica: A
Coding: A
Montaggio frontale
Front mounting

Fili uscenti 300 mm
With wires 300 mm

Pin	Modello *Model*	Codice *Code*	Dimensioni [mm] *Dimensions [mm]*
4	DA12FD04FF30	433Z32347X	
5	DA12FD05FF30	433Z32357X	
8	DA12FD08FF30	433Z32387X	



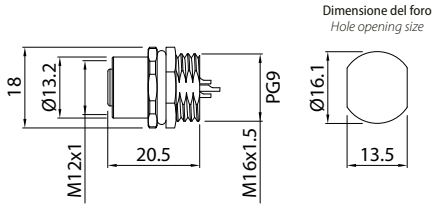
Femmina - *Female*

Pin	Modello *Model*	Codice *Code*	Dimensioni [mm] *Dimensions [mm]*
4	DA12MD04FF30	433Z32147X	
5	DA12MD05FF30	433Z32157X	
8	DA12MD08FF30	433Z32187X	



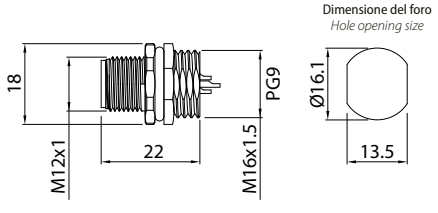
Maschio - *Male*

A saldare - *Wire soldering*

Pin	Modello *Model*	Codice *Code*	Dimensioni *Dimensions*
4	DA12FD04FS	433Z32345X	
5	DA12FD05FS	433Z32355X	
8	DA12FD08FS	433Z32385X	



Femmina - *Female*

Pin	Modello *Model*	Codice *Code*	
4	DA12MD04FS	433Z32145X	
5	DA12MD05FS	433Z32155X	
8	DA12MD08FS	433Z32185X	



Maschio - *Male*

Altri modelli su richiesta - *Other models on request*

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CONNETTORI MILITARI - *MIL-Spec Connectors*



Ampia gamma di connettori prodotti secondo lo standard **MIL-C-5015**, ampiamente utilizzati in ambito militare, industriale e aerospaziale.

Prodotti in lega di alluminio con trattamento secondo **QQP-416 Tipo II Classe C**, con passivazione verde scuro. Disponibili anche trattamenti esenti da Cadmio.

Utilizzabili entro l'intervallo di temperatura: -50°C... +125°C.

*Wide range of connectors produced according to **MIL-C-5015** standard, widely used in military, industrial and aerospace fields.*

*Products in aluminum alloy treated according to **QQP-416 Type II Class C**, with dark green passivation. Cadmium-free treatments also available.*

It can be used within the temperature range: -50°C... +125°C.

Materiale *Material*	Lega di alluminio (acciaio su richiesta) *Aluminum alloy (steel on request)*
Colore *Colour*	Verde scuro (nero, acciaio inox su richiesta) *Dark green (black, stainless steel on request)*
Attacchi *Connections*	A vite (a baionetta su richiesta) *Screw (bayonet on request)*
Contatti *Contacts*	A saldare (a crimpare su richiesta) *Soldering (crimp on request)*

MONTAGGIO A PANNELLO *Panel mounting* — **2A**



Femmina - *Female*



Maschio - *Male*

MONTAGGIO VOLANTE *Field mounting* — **6A**



Femmina - *Female*



Maschio - *Male*

ANCHE IN VERSIONE PHM
Also in PHM version

GIUNZIONE VOLANTE *Field junctions* — **1A**



Femmina - *Female*



Maschio - *Male*

ANCHE IN VERSIONE PHM
Also in PHM version

ACCESSORI - *Accessories*



PHM



SERRACAVI, MANICOTTI, GUARNIZIONI
Cable clamps, sleeves, gaskets



TAPPI
Caps

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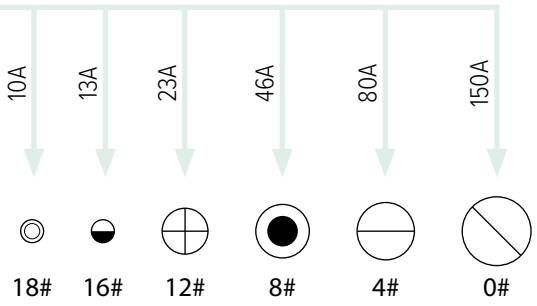
CONNETTORI MILITARI - *MIL-Spec Connectors*

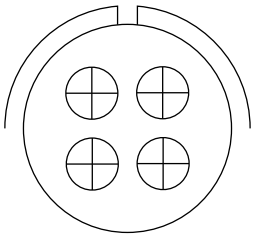
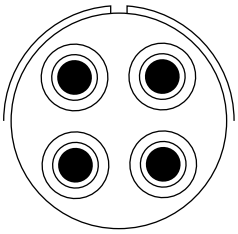
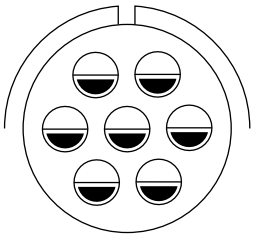
CORRENTE NOMINALE - *Nominal current*

Nota: i dati qui riportati sono derivati da test di laboratorio. I connettori potrebbero non supportare in modo continuativo la corrente nominale indicata attraverso tutti i contatti. I dati elettrici forniti non costituiscono una determinazione dei fattori di sicurezza elettrica.

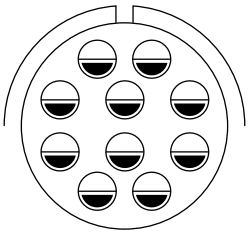
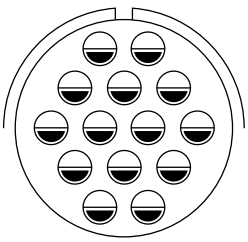
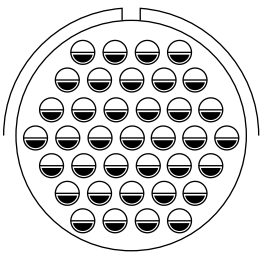
Note: *contact ratings as stated are test ratings only. The connector could not withstand full rated current through all contacts continuously. Please note that the electrical data given is not an establishment of electrical safety factors.*

Legenda poli - *poles*



NUMERO DEI CONTATTI *Contacts Qty*	**4**	**4**	**7**
Disposizione *Arrangment*	18 - 10	22 - 22	16S - 1
Dimensione dei contatti *Contact size*	4 - 12	4 - 8	7 - 16
Service rating *Service rating*	A	A	A

NUMERO DEI CONTATTI *Contacts Qty*	**10**	**14**	**37**
Disposizione *Arrangment*	18 - 1	20 - 27	28 - 21
Dimensione dei contatti *Contact size*	10 - 16	14 - 16	37 - 13
Service rating *Service rating*	A	A	A

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PRESSACAVI INOX - *Stainless steel cable glands*

Materiale: ACCIAIO INOX AISI 304, bloccaggio in nylon, gomma O-ring.
Filettatura: Metrica x1,5.
Protezione: IP68.
Temperatura operativa: -40°C... 100°C.

Altri modelli e dimensioni su richiesta.
Disponbile versione con valvola VENT.

***Material**: Stainless steel AISI 304, nylon clamping, Rubber O-ring.*
***Thread**: metric, M 1,5 pitch.*
***Protection rating**: IP68.*
***Operating Temperature**: -40°C... 100°C.*

Additional models or sizes on request.
Available with VENT valve.

IP68

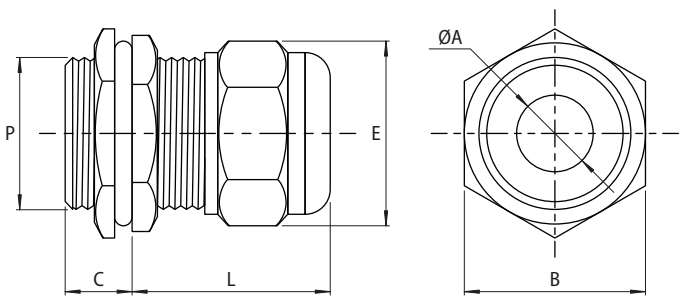
RoHS COMPLIANT

CE



CODICE *Code*	**Ø Foro di fissaggio** *Ø Panel hole* **[mm]**	**P [mm]**	**A Ø cavo** *A cable Ø* **[mm]**	**B [mm]**	**E [mm]**	**C [mm]**	**L min - max [mm]**
60000SSM17	16	M16x1,5	4 - 8	18	20	8	20-23
60000SSM21	20	M20x1,5	6 - 12	22	24	8	22-25
60000SSM20	20	M20x1,5	10 - 14	24	26,5	8	22-25
60000SSM26	25	M25x1,5	8 - 15,5	27	29,5	9	24-27
60000SSM27	25	M25x1,5	13 - 18	30	33	9	24-27
60000SSM33	32,5	M32x1,5	15 - 21	35	38	10	24-29
60000SSM41	40,5	M40x1,5	22 - 30	45	50	10	32-35

DIMENSIONI [mm] - *Dimensions [mm]*



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DTS-BLOCK1

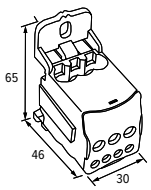
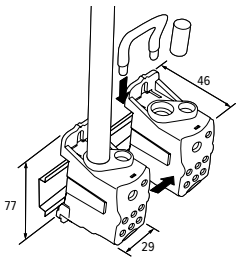
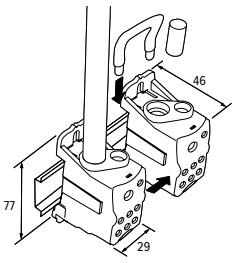
Risparmio di spazio: compatto.
Blocco di rame stagnato: alta conduttività.
Protezione IP20 / UL salvadita: maggiore sicurezza.
Cavo di fissaggio diametro vite >95% rapporto di riempimento: eccellente contatto elettrico, collegamenti sicuri.
Controllo visivo del cavo: conferma di connessione.
Copertura incernierata o rimovibile: facile cablaggio.
Clip-on guida DIN o montaggio a pannello con viti: facile fissaggio.

Space saving: compact.
Tinned copper block: high conductivity.
IP20 protection/UL finger-safe: improved safety.
Cable fixing screw diameters >95% fill ratio: excellent electrical contact, safe connections.
Visual inspection of wire: confirmation of connection.
Hinged or removable cover: easy wiring.
Clip-on DIN rail or mount to panel with screws: easy fixing.



LEGENDA:
ingressi - *input*
uscite - *output*

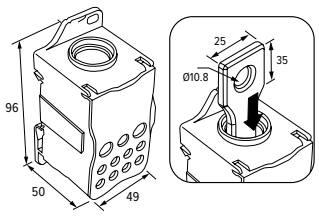
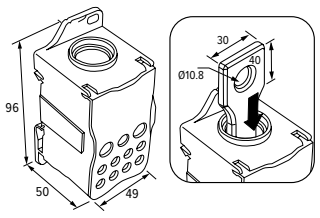
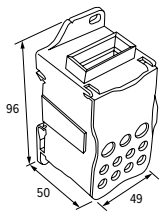
Certficazione - *Certification*	UL 1059
Classe di infiammabilità *Flammability rating*	UL 94 V0
Conformità - *Complies with*	IEC 60947-7-1

MODELLI *Models*		**LK-80A**			**LK-125A**				**LK-160A**			
Codice - *Code*		2210000080			2210000125				2210000160			
Max corrente nominale *Max current rating*	IEC	80 A			125 A				160 A			
	UL	85 A			150 A				200 A			
Corrente nominale di breve durata *Short term withstand current*	(Icw) 1s	3 kA			4.2 kA				11.8 kA			
Corrente di picco da corto circuito *Peak short circuit current*	(Ipk)	22 kA			30 kA				30 kA			
Max tensione operativa *Max working voltage*	IEC (Ui)	690 V			690 V				690 V			
	UL (Vin)	600 V			600 V				690 V			
Sistema metrico *Metric system*		mm²	mm²	Γ(N.m)		mm²		Γ(N.m)		mm²		Γ(N.m)
	▶▢	6...16	x1	3.5	▶▢	10...35	x1	8.5	▶▢	10...70	x1	8.5
	▢▶	2.5...6	x4	1.2	▶▢	** 6...16	x1	3.5	▶▢	** 6...16	x1	3.5
** o ponticello UJ	▢▶	2.5...16	x2	3.5	▢▶	2.5...16	x6 / x4	3.5	▢▶	2.5...16	x6 / x4	3.5
Sistema americano *U.S. Regulations*		AWG		Torque		AWG		Torque		AWG		Torque
	▶▢	16...4	x1	19.5	▶▢	8...1/0	x1	57	▶▢	8...3/0	x1	75
	▢▶	16...8	x4	10.6	▶▢	14...4	x1	31	▶▢	14...4	x1	31
	▢▶	16...4	x2	19.5	▢▶	14...4	x6	31	▢▶	14...4	x6	31
Installazione e dimensioni *Installation diagram* **[mm]**		Foro di installazione: 54 mm *Installation hole: 54 mm* 			Foro di installazione: 64 mm *Installation hole: 64 mm* 				Foro di installazione: 64 mm *Installation hole: 64 mm* 			
Peso - *Weight*		0.07 kg			0.15 kg				0.15 kg			

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MODELLI *Models*		**LK-250A**			**LK-400A**			**LK-500A**		
Codice - *Code*		2210000250			2210000400			2210000500		
Max corrente nominale *Max current rating*	IEC	250 A			400 A			500 A		
	UL	255 A			335 A			520 A		
Corrente nominale di breve durata *Short term withstand current*	(Icw) 1s	24.5 kA			24.5 kA			24.5 kA		
Corrente di picco da corto circuito *Peak short circuit current*	(Ipk)	51 kA			51 kA			51 kA		
Max tensione operativa *Max working voltage*	IEC (Ui)	690 V			690 V			690 V		
	UL (Vin)	690 V			690 V			600 V		
Sistema metrico *Metric system*		mm²		Γ(N.m)	mm²		Γ(N.m)	mm²		Γ(N.m)
		35...120	x1	19	95...185	x1	25	4x15.5x0.8...8x24x1		10
		6...35 / 6...25	x2	4.4	6...35 / 6...25	x2	4.4	6...35 / 6...25	x2	4.4
		2.5...16	x5	2.7	2.5...16	x5	2.7	2.5...16	x5	2.7
		2.5...10	x4	2.7	2.5...10	x4	2.7	2.5...10	x4	2.7
Sistema americano *U.S. Regulations*		AWG		Torque	AWG		Torque	AWG		Torque
		6...250 Kcmil	x1	221	3/0...400 Kcmil	x1	221	4x15.5x0.8...8x24x1		88.5
		14...1	x2	39	14...1	x2	39	14...1	x2	39
		14...4	x5	24	14...4	x5	24	14...4	x5	24
		14...6	x4	24	14...6	x4	24	14...6	x4	24
Installazione e dimensioni *Installation diagram* **[mm]**		Foro di installazione: 85 x 29 mm *Installation hole: 85 x 29 mm*  La scatola di giunzione è collegata direttamente con l'interruttore. *Junctionbox is directly connected with the switch.*			Foro di installazione: 85 x 29 mm *Installation hole: 85 x 29 mm*  La scatola di giunzione è collegata direttamente con l'interruttore. *Junctionbox is directly connected with the switch.*			Foro di installazione: 85 x 29 mm *Installation hole: 85 x 29 mm* 		
Peso - *Weight*		0.42 kg			0.40 kg			0.37 kg		

ACCESSORI - *Accessories*

Inserto /Ponticello: UJ
Plug /Jumper: UJ



Flessibile con TF 250A collegamento barre con TH.
Flexible with TF 250A busbar connection with the TH.



Flessibile con TF 400A collegamento barre con TH.
Flexible with TF 400A busbar connection with the TH.



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DISPOSITIVI LUMINOSI

Lighting devices



TORRETTE DI SEGNALAZIONE LED - *LED signal towers*



TORRETTE DI SEGNALAZIONE LED MULTISETTORE
Sistema modulare, componibile / preassemblato.
Diametro 30, 50 e 70 mm.
Buzzer fino a 120 dB.
Fino a IP67.

MULTI-LEVEL LED SIGNAL TOWERS
Modular system, stackable/preassembled.
Diameter 30, 50 and 70 mm.
Buzzer up to 120 dB.
Up to IP67.



TORRETTE LED SINGOLO SETTORE
Grado di protezione fino a IP65.
Disponibili modelli certificati UL.
Luce fissa o intermittente.
Incluso di Buzzer.
Versioni mono/multicolore.

SINGLE LEVEL LED TOWERS
Up to IP65.
UL certified models available.
Fixed or intermittent light.
Includes buzzer.
Single and multi-colour versions.



TORRETTE DI SEGNALAZIONE LED MULTISETTORE IN METALLO
3-4-5 colori.
Buzzer fisso o intermittente.
Diametro 50 mm.
IP54.

MULTI-LEVEL METAL LED SIGNAL TOWERS
3, 4, 5 colours.
fixed or intermittent buzzer.
Diameter 50 mm.
IP54.



TORRETTE LED SINGOLO SETTORE IN METALLO
Multicolore fino a sette colori.
Incluso di buzzer intermittente fino a 85 dB.
Diametro 50 mm.

SINGLE SECTOR METAL LED TOWERS
Multicolor up to 7 colors.
Includes intermittent buzzer up to 85 dB.
Diameter 50 mm.



NEW

LED GLOBE
Modelli con pulsante touch.
Modelli con buzzer.
Diametri 30 e 50 mm.
Fino a IP67.

LED GLOBE
Versions with touch button.
Versions with buzzer.
Diameters 30 and 50 mm.
Up to IP67.

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DTS-LED 30/50/70

Torrette di segnalazione a LED Ø 30, 50 e 70 mm.
Alimentazione 12-24 VDC.
Temperatura operativa: -25°C...+50°C.
Sistema modulare, componibile fino a 5 moduli.
Elevato grado di protezione IP65 (tranne i sistemi di montaggio L e T che soddisfano lo standard IP54).
Luce fissa (intermittente con selettore).
Elevata luminosità fino a 18 LED per modulo.
Frequenza dell'allarme 60~80 al min.
Volume modulo sonoro standard 80 dB ad 1 m, versione ad alta intensità 110 dB ad 1 m.
Supporti in PC, lenti in ABS, staffe in alluminio.
Elevata resistenza agli agenti aggressivi.
Conforme alla direttiva RoHS e alle norme EN 60073, EN 60947.

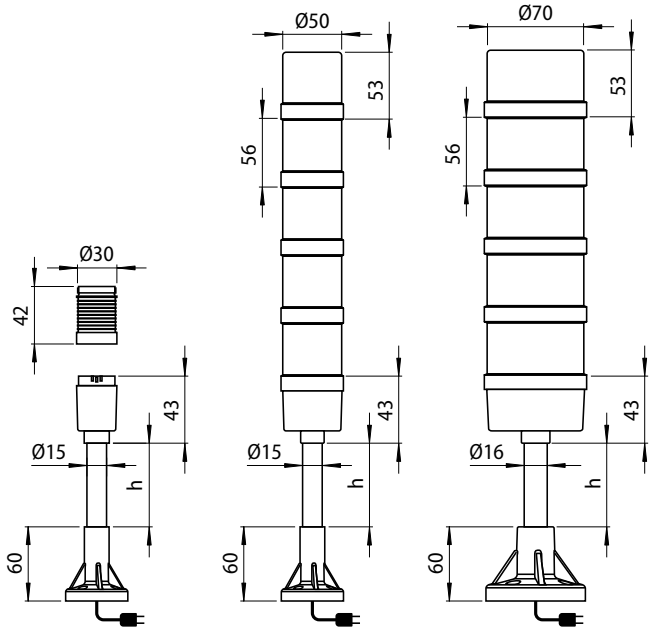
LED signal tower lights Ø 30, 50 and 70 mm.
Input voltage 12-24 DC.
Operating temperature: -25°C...+50°C.
Modular design, stackable up to 5 modules.
High IP protection IP65 (except L and T mounting systems which meet the IP54 standard).
High light intensity up to 18 LED each module.
Buzzer frequency 60~80 min.
Standard sound level 80 dB at 1 m, high-intensity version 110 dB at 1 m.
PC supports, ABS lens, aluminum brackets.
High resistance to aggressive agents.
RoHS and EN 60073, EN 60947 compliant.

IP65

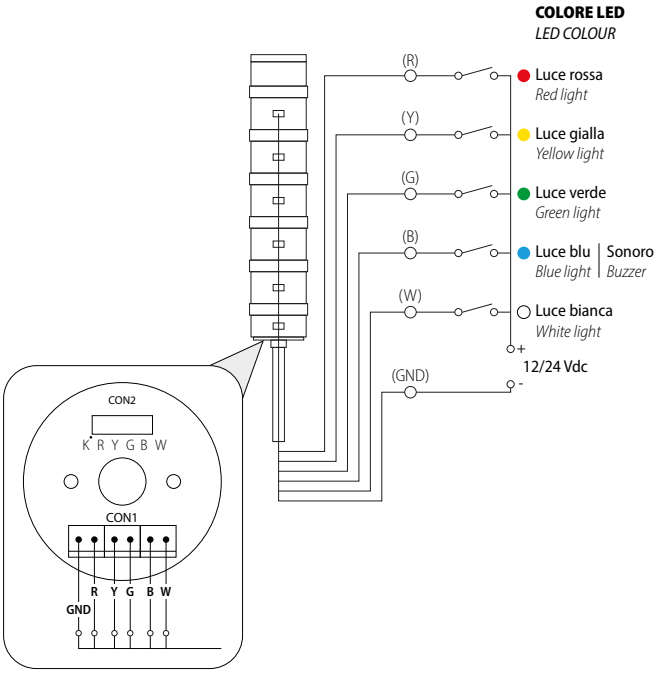


Ø30 **Ø50** **Ø70**

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



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Multisettore, componibile
Multi-level, stackable

DTS-LED 30/50/70

MODULI *Modules*		**Modello** *Model*	**Codice** *Code*	**Alimentazione** *Input voltage*	**Assorbimento** *Current draw* **[mA]** *nominal/max @24V*	**Intensità sonora** *Sound intensity* **[dB]**
	Sonoro - *Buzzer*	DTS-LED 30	-	12/24 VDC	15~20 / 30	80
		DTS-LED 50	3475080245			
		DTS-LED 70	3477080245			
	Sonoro alta intensità *High intensity buzzer*	DTS-LED 30	-		150~200 / 300	110
		DTS-LED 50	-			
		DTS-LED 70	3477070245			

MODULI *Modules*		**Modello** *Model*	**Codice** *Code*	**Alimentazione** *Input voltage*	**Assorbimento** *Current draw* **[mA]** *nominal/max @24V*	**Intensità luminosa** *Luminous intensity* **[mcd]**
	Rosso - *Red*	DTS-LED 30	3473120245	12/24 VDC	35~45 / 80	4000
		DTS-LED 50	3475020245			
		DTS-LED 70	3477020245			
	Giallo - *Yellow*	DTS-LED 30	3473140245			
		DTS-LED 50	3475040245			
		DTS-LED 70	3477040245			
	Verde - *Green*	DTS-LED 30	3473130245			
		DTS-LED 50	3475030245			
		DTS-LED 70	3477030245			
	Bianco - *White*	DTS-LED 30	3473110245			
		DTS-LED 50	3475010245			
		DTS-LED 70	3477010245			
	Blu - *Blue*	DTS-LED 30	3473150245			
		DTS-LED 50	3475050245			
		DTS-LED 70	3477050245			

BASI - *Bases*		**Modello** *Model*	**Codice** - *Code* **h: 10 mm**	**Codice** - *Code* **h: 100 mm**	**Codice** - *Code* **h: 250 mm**
	Base S + coperchio *S base + cap*	DTS-LED 30	3473100015	3473100105	3473101005
		DTS-LED 50	3475000015	3475000105	3475001005
		DTS-LED 70	3477000015	3477000105	3477001005
	Base L + coperchio *L base + cap*	DTS-LED 30	3473100025	3473100205	3473102005
		DTS-LED 50	3475000025	3475000205	3475002005
		DTS-LED 70	3477000025	3477000205	3477002005
	Base R + coperchio *R base + cap*	DTS-LED 30	3473100035	3473100305	3473103005
		DTS-LED 50	3475000035	3475000305	3475003005
		DTS-LED 70	3477000035	3477000305	3477003005
	Base T + coperchio *T base + cap*	DTS-LED 30	3473100045	3473100405	3473104005
		DTS-LED 50	3475000045	3475000405	3475004005
		DTS-LED 70	3477000045	3477000405	3477004005
	Base P + coperchio *P base + cap*	DTS-LED 30	-	-	-
		DTS-LED 50	3475000055	-	-
		DTS-LED 70	3477000055	-	-

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DTS-LED 70 LC

Torrette di segnalazione a LED diametro 70 mm con BUZZER integrato.
Design MODULARE: è possibile rimuovere facilmente i moduli.
Funzioni programmabili con DIP SWITCH:
- Buzzer OFF/bassa (40dB, default) / alta intensità (85dB);
- Buzzer continuo (default) / intermittente;
- Luce fissa (default) / intermittente per ogni colore.

Disponibile con i seguenti colori:
- 3 livelli, colori RYG;
- 4 livelli, colori RYGB;
- 5 livelli, colori RYGBW.

Materiali: corpo in ABS + lenti in PC.
Base di fissaggio con stelo di 165 mm.
Grado di protezione: IP53.
Linea comune sia PNP che NPN.
Tensione di alimentazione 24 VDC.
Temperatura operativa: -20°C... +45°C.
Lunghezza cavo: 0,75 m.

70 mm diameter LED signal towers with integrated BUZZER.
MODULAR design, you can easily remove the modules.
Programmable functions with DIP SWITCH:
- *Buzzer OFF / low (40dB, default) / full intensity (85dB);*
- *Steady (default) / Flash buzzer;*
- *Steady (default) / Flash light for each color.*

Available in following colors:
- *3 levels, RYG colors;*
- *4 levels, RYGB colors;*
- *5 levels, RYGBW colors.*

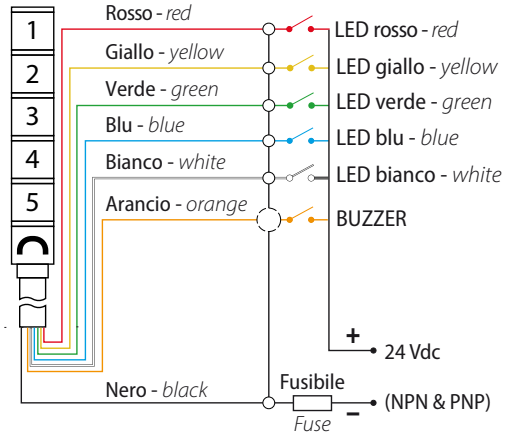
Materials: ABS body + PC lenses.
Mounting base with 165 mm pole.
IP rating: IP53.
Connection type: PNP and NPN.
Input voltage 24 VDC.
Operating temperature: -20°C... +45°C.
Cable length: 0,75 m.

IP53

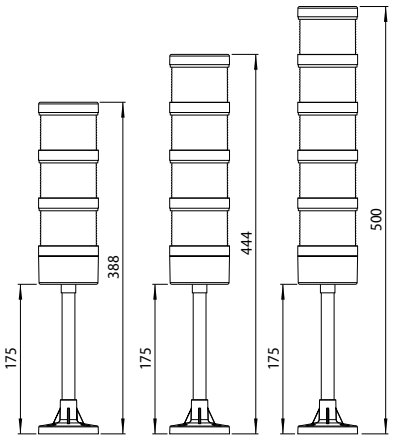


DTS-LED 70 LC3 DTS-LED 70 LC4 DTS-LED 70 LC5

CABLAGGI - *Wiring*



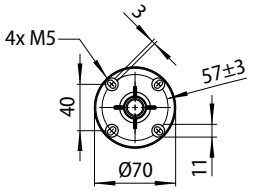
DIMENSIONI [mm] - *Dimensions [mm]*



Dip Switch Instruction



No buzzer	1		ON	With buzzer
Low sound	2		INC	Normal sound
Intermittent sound	3		BU	Continuous
○ flash	4		W	○ steady
● flash	5		C	● steady
● flash	6		G	● steady
● flash	7		Y	● steady
● flash	8		R	● steady



MODELLI *Models*	Codice *Code*	Assorbimento *Power cons.*	Tensione d'ingresso *Input voltage*	Fascio luminoso *Beam*	Dimensioni *Dimensions*	Peso *Weight*
DTS-LED 70 LC3	3477100300	3,6 W	24 VDC	360°	Ø 70 x 388 mm	450 g
DTS-LED 70 LC4	3477100400	4,8 W			Ø 70 x 444 mm	500 g
DTS-LED 70 LC5	3477100500	6 W			Ø 70 x 500 mm	550 g

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DTS-LED QTG50L

Torrette di segnalazione a LED diametro 50 mm con BUZZER integrato.
Design MODULARE: è possibile rimuovere facilmente i moduli.
Volume Buzzer regolabile:
- Min. 65±4dB/m;
- Max. 85±4dB/m.

Disponibile con i seguenti colori:
- 3 livelli, colori RYG;
- 4 livelli, colori RYGB;
- 5 livelli, colori RYGBW.

Materiali: corpo in ABS, lenti in PC, stelo in alluminio.
Grado di protezione: IP54.
Temperatura operativa -30°C...+50°C.
Lunghezza cavo: 0,40m.

50 mm diameter LED signal towers with integrated BUZZER.
MODULAR design, you can easily remove the modules.
Adjustable Buzzer Volume:
- *Min. 65±4dB/m;*
- *Max. 85±4dB/m.*

Available with colors:
- *3 levels, RYG colors;*
- *4 levels, RYGB colors;*
- *5 levels, RYGBW colors.*

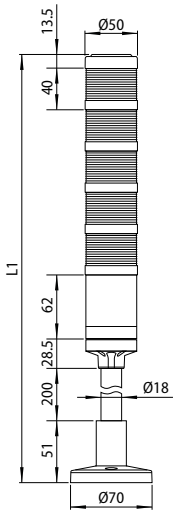
Materials: ABS body, PC lenses, Pole-Al.
IP rating: IP54.
Operating temperature -30°C... +50°C.
Cable length: 0,40 m.



DTS-LED QTG50L-BZ 3 | DTS-LED QTG50L-BZ 4 | DTS-LED QTG50L-BZ 5

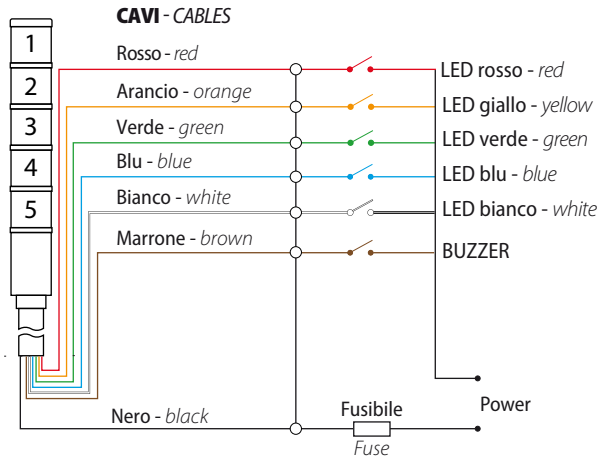
MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED QTG50L-BZ 3	3475000930	6,8 W	24 VDC	360°	Ø 50 x 475 mm	510 g
DTS-LED QTG50L-BZ 4	3475000940	8,5 W			Ø 50 x 515 mm	600 g
DTS-LED QTG50L-BZ 5	3475000950	10 W			Ø 50 x 555 mm	680 g

DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**L1**
DTS-LED QTG50L-BZ 3	475
DTS-LED QTG50L-BZ 4	515
DTS-LED QTG50L-BZ 5	555

CABLAGGI - *Wiring*



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Singolo modulo, monocolore
Single-level, single color

DTS-LED Q80

Resistente agli urti e alle vibrazioni, manutenzione ridotta grazie ai LED ad alta efficienza energetica e di lunga durata.

Materiali: ottica-PC, corpo-ABS.
Caratteristiche di alta visibilità con speciali lenti diffusive.
Selettore integrato: luce fissa/lampeggiante.

Shock and vibration-resistant, maintenance reduced with long-lasting energy efficient LED light bulb.

Materials: Lens-PC, housing-ABS.
Features high visibility with special diffusive lens.
Integrated switch for steady and flashing light function mode.



DTS-LED Q80L



DTS-LED Q80LP



DTS-LED Q80LW

cULus LISTED

IP65

CE

RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Corrente max** *Max current*	**Tensione d'ingresso** *Input voltage*	**Colore** *Color*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED Q80L-BZ-12/24-R	3479802420	0,190 A	12-24 VDC	●	Ø83 x 134 mm	180 g
DTS-LED Q80LW-BZ-12/24-R	3479802423			●	Ø83 x 157 mm	230 g
DTS-LED Q80LW-BZ-12/24-A	3479802424			●		

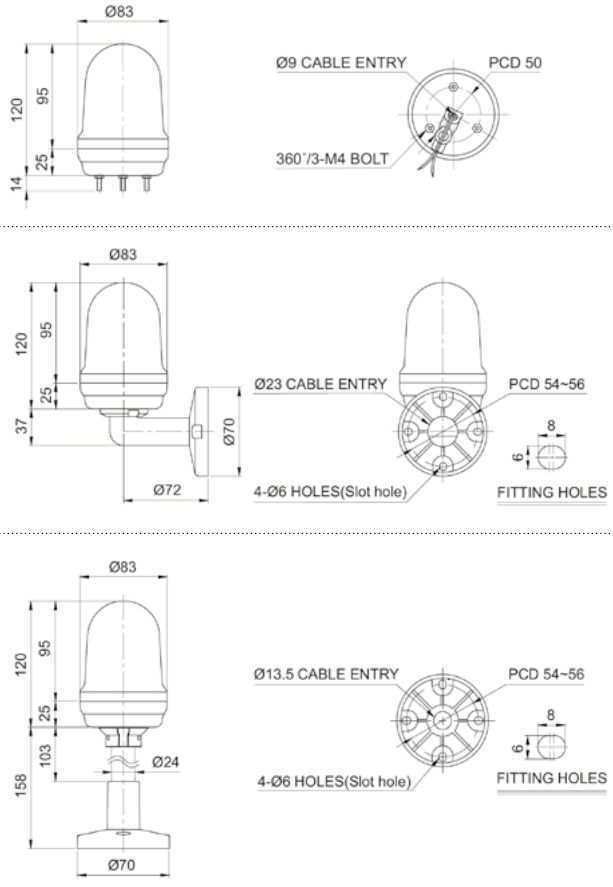
Grado di protezione *Protection level*	IP65
Temperatura operativa *Operating temperature*	-30°C... +50°C
Frequenza lampeggio *Flashing rate*	60-80/min.
Volume buzzer *Buzzer volume*	max 80 dB @ 1 m
Altri colori disponibili per quantitativi minimi d'acquisto *Other colours available for minimum quantity order*	**R** = ● **A** = ● **G** = ● **B** = ●

Staffe di montaggio disponibili per quantitativi minimi d'acquisto
Mounting brackets available for minimum quantity order.

Standard	**QZ24**	**SZ24**
		
Acciaio - *Steel*		PC

SL24	**QLA24**
	
Al	PC

DIMENSIONI [mm] - *Dimensions [mm]*



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DTS-LED 50 MULTI BAT2

Torrette multifunzione a LED.
Funzioni: buzzer intermittente, luce fissa.
Buzzer: 70 dB @ 1 m.
Installazione: pieghevole.
Livelli: 1.
Colore segnale: 3 colori RGY.
Materiali: corpo in ABS, base e lente in PC, staffa in alluminio.
Grado di protezione: IP53.
LINEA COMUNE NEGATIVA (PNP).
Lunghezza cavo: 3 m.

LED Multi-Functional Signal light.
Functions: intermittent buzzer, steady light.
Buzzer: 70 dB @ 1 m.
Installation: foldable.
Layers: 1.
Signal color: 3 colors RGY.
Materials: ABS body, PC base and lamp, AL alloy pole.
Protection level: IP53.
COMMON LINE NEGATIVE (PNP).
Cable length: 3 m.

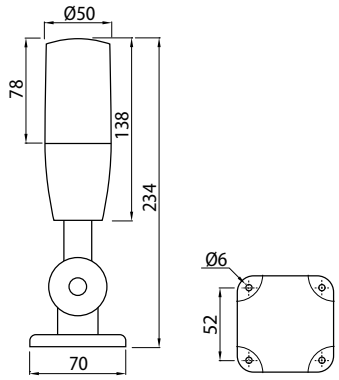
IP53



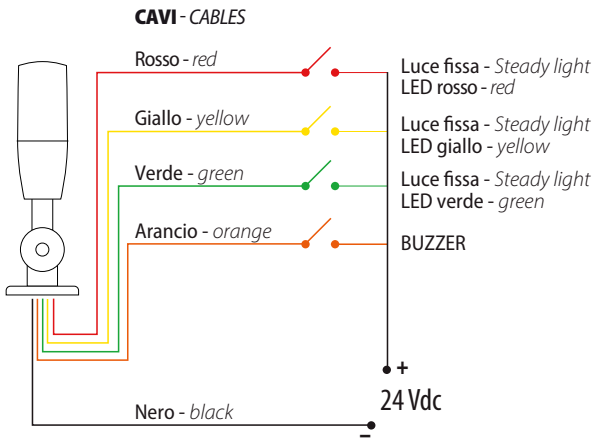
MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 50 MULTI BAT2	34750M0002	4 W	24 VDC	360*	70 x 70 x 234 mm	225 g

Grado di protezione - *Protection level*	IP53
Temperatura operativa - *Operating temperature*	-20°C... +45°C
Durata - *Lifespan*	50000 h
Lunghezza cavo - *cable length*	3 m
Colori dei LED - *LED colors*	rosso, giallo, verde - *red, yellow, green*
Funzioni - *Functions*	rosso fisso, bz intermittente - *red steady, bz intermittent*

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



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DTS-LED 60 MULTI

Torrette multifunzione a LED.
Funzioni: buzzer intermittente, luce fissa.
Buzzer: 70 dB @ 1 m.
Installazione: pieghevole.
Livelli: 1.
Colore segnale: 3 colori RGY.
Materiali: corpo in ABS, base e lente in PC, staffa in alluminio.
Grado di protezione: IP53.
LINEA COMUNE NEGATIVA (PNP).
Lunghezza cavo: 0,5 m.

LED Multi-Functional Signal light.
Functions: intermittent buzzer, steady light.
Buzzer: 70 dB @ 1 m.
Installation: foldable.
Layers: 1.
Signal color: 3 colors RGY.
Materials: ABS body, PC base and lamp, AL alloy pole.
Protection level: IP53.
COMMON LINE NEGATIVE (PNP).
Cable length: 0,5 m.

IP53

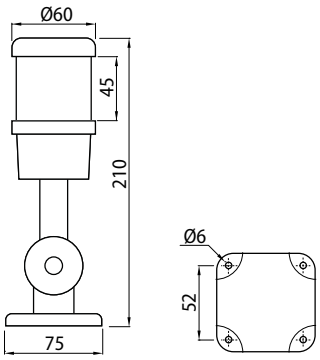


Personalizzabile con Logo luminoso,
su richiesta e per quantitativi minimi d'acquisto.
Customizable with bright Logo,
on request and for minimum quantity order.

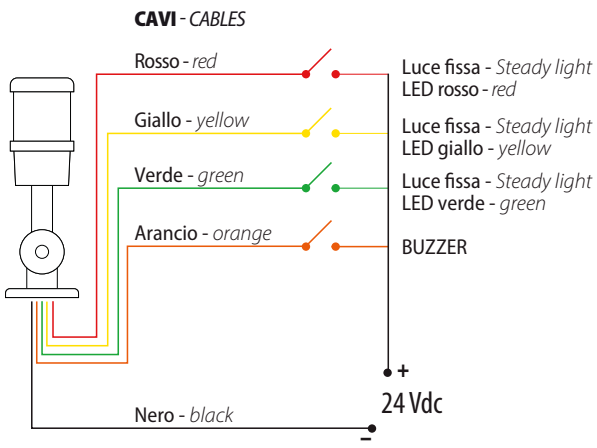
MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 60 MULTI	34760M0035	5 W	24 VDC	360°	75 x 75 x 210 mm	222 g

Grado di protezione - *Protection level*	IP53
Temperatura operativa - *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
Lunghezza cavo - *cable length*	~0.5 m
Colori dei LED - *LED colors*	Rosso, verde, giallo - *red, green, yellow*
Volume buzzer - *Buzzer volume*	70 dB ad 1 m - *70 dB at 1 m*
Funzioni - *Functions*	Rosso fisso, bz intermittente - *red steady, bz intermittent*

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



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DTS-LED 50 MULTI BAT ALU3/4/5

Torrette multifunzione a LED.
Funzioni: con buzzer intermittente/fisso, luce fissa.
La modalità del buzzer può essere impostata direttamente tramite il cablaggio.
Buzzer: 85 dB @ 1 m.
Installazione: pieghevole.
Livelli: 3 / 4 / 5.
Colore segnale: 3 colori RGV, 4 colori RGVB, 5 colori RGVBW.
Materiali: corpo lampada in alluminio + diffusore in PC.
Grado di protezione: IP54.
LINEA COMUNE NEGATIVA (PNP).
Lunghezza cavo: 3 m / 0,5 m con connettore M12.

LED Multi-Funtional Signal light.
Functions: with intermittent/steady buzzer, steady light.
The buzzer mode can be set directly through the wiring.
Buzzer: 85 dB @ 1 m.
Installation: foldable.
Layers: 3 / 4 / 5.
Signal color: 3 colors RYG, 4 colors RYGB, 5 colors RYGBW.
Materials: aluminum lamp body + PC diffuser.
Protection level: IP54.
COMMON LINE NEGATIVE (PNP).
Cable length: 3 m / 0,5 m with M12 connector.



IP54

CE

RoHS COMPLIANT



DTS-LED 50 MULTI BAT ALU3-345



DTS-LED 50 MULTI BAT ALU4-345



DTS-LED 50 MULTI BAT ALU5-384

BUZZER **IP54**



Base girevole
Rotating base

NEW

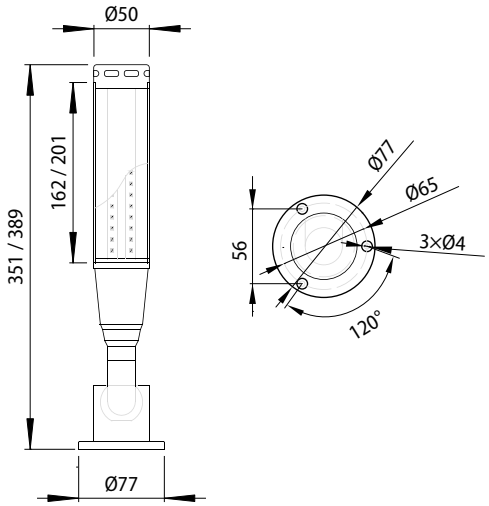


Guarnizione inclusa
Gasket included

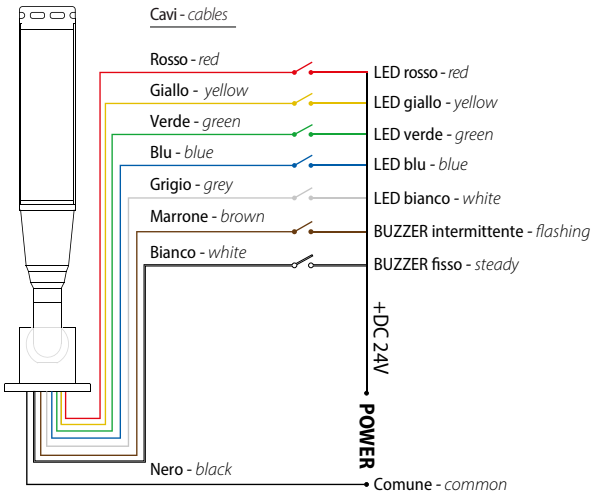
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DTS-LED 50 MULTI BAT ALU3/4/5

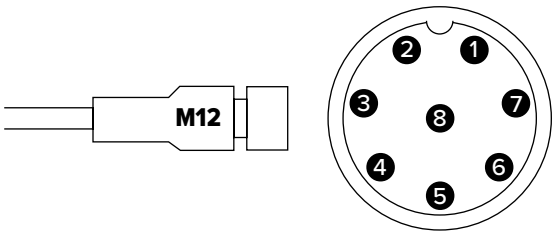
DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



MODELLI *Models*	**Colore LED** *LED Colour*	**Buzzer**	**Codice** *Code*	**Collegamento** *Connection*	**Assorbimento max.** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 50 MULTI BAT ALU3	🔴🟡🟢	Intermittente *Intermittent* B	34750M1001	Cavo da 3 m	5 W	24 VDC stab. ± 3%	Ø 77 x 351 mm	430 g
DTS-LED 50 MULTI BAT ALU4	🔴🟡🟢🔵		34750M1002				Ø 77 x 351 mm	530 g
DTS-LED 50 MULTI BAT ALU5	🔴🟡🟢🔵⚪		34750M1003				Ø 77 x 389 mm	550 g
DTS-LED 50 MULTI BAT ALU3 M12	🔴🟡🟢	Fisso *Steady* B	34750M1007	Maschio-*Male* M12 - 8 pin			Ø 77 x 351 mm	530 g
DTS-LED 50 MULTI BAT ALU4 M12	🔴🟡🟢🔵		34750M1006	Maschio-*Male* M12 - 8 pin			Ø 77 x 351 mm	430 g
DTS-LED 50 MULTI BAT ALU5 M12	🔴🟡🟢🔵⚪		34750M1004	Maschio-*Male* M12 - 8 pin			Ø 77 x 389 mm	550 g



PIN nr.	Cavo-*wire*	LED
1	⬜	🟢
2	🟫	🟡
3	🟩	Buzzer fisso - *steady*
4	🟨	⚪
5	⬛	🔵
6	🩷	🔴
7	🟦	V-
8	🟥	Buzzer intermittente - *flashing*

⚠ Collegare secondo i colori del cavo disponibili sulla lampada acquistata
Connect according to the cable colors available on the lamp purchased

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Singolo modulo, multicolore, in metallo
Single-level, multicolor, metal body

DTS-LED 50 MULTI BAT ALU 396

Torrette multifunzione a LED.
Funzioni: buzzer intermittente, luce fissa.
Buzzer: 85 dB @ 1 m.
Installazione: pieghevole.
Livelli: 1.
Colore segnale: 3 colori RGY.
Materiali: corpo lampada in alluminio + diffusore opalino acrilico o diffusore in PC.
Grado di protezione: IP20.
Temperatura operativa: -25°C... +55°C.
LINEA COMUNE NEGATIVA (PNP).
Lunghezza cavo: 2,80 m.

LED Multi-Functional Signal light.
Functions: intermittent buzzer, steady light.
Buzzer: 85 dB @ 1 m.
Installation: foldable.
Layers: 1.
Signal color: 3 colors RGY.
Materials: aluminum lamp body + opal Acrylic diffuser or PC diffuser.
Protection level: IP20.
Operating temperature: -25°C... +55°C.
COMMON LINE NEGATIVE (PNP).
Cable length: 2,80 m.



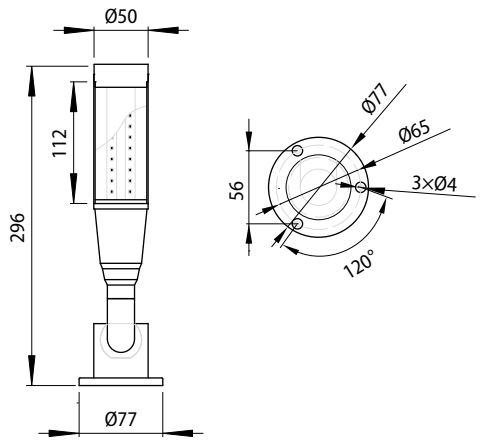
DTS-LED 50
MULTI BAT
ALU 396



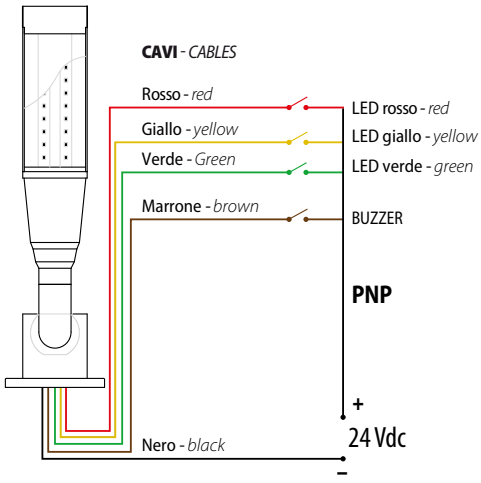
DTS-LED 50
MULTI BAT
ALU 396-OP

MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 50 MULTI BAT ALU 396	34750M2001	5 W	24 VDC stab. ± 3%	360°	Ø 77 x 296 mm	500 g
DTS-LED 50 MULTI BAT ALU 396 OP	34750M2002					

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



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Singolo modulo, multicolore, in metallo
Single-level, multicolor, metal body

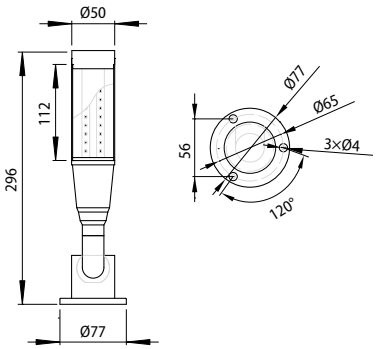
DTS-LED 50 MULTI BAT ALU 796

Torrette multifunzione a LED.
Funzioni: con buzzer intermittente, luce fissa.
Buzzer: 85 dB @ 1 m.
Installazione: pieghevole.
Livelli: 1.
Colore segnale: 3 colori RGB.
Materiali: corpo lampada in alluminio + diffusore opalino acrilico o diffusore in PC.
Grado di protezione: IP20.
Temperatura operativa: -25°C... +55°C.
LINEA COMUNE NEGATIVA (PNP).
Lunghezza cavo: 0,4 m.

LED Multi-Functional Signal light.
Functions: with intermittent buzzer, steady light.
Buzzer: 85 dB @ 1 m.
Installation: foldable.
Layers: 1.
Signal color: 3 colors RGB.
Materials: aluminum lamp body + opal Acrylic diffuser or PC diffuser.
Protection level: IP20.
Operating temperature: -25°C... +55°C.
COMMON LINE NEGATIVE (PNP).
Cable length: 0,4 m.

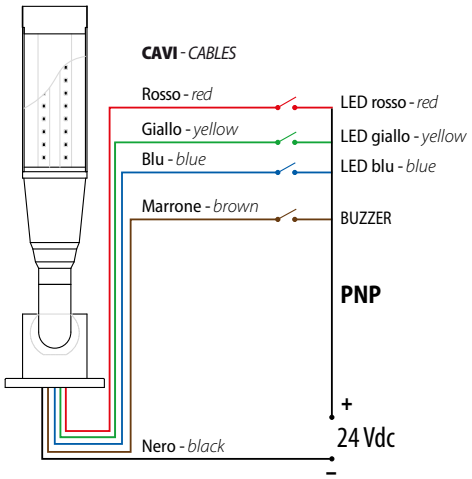


DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**Codice** *Code*	**Assorbimento max.** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 50 MULTI BAT ALU 796	34750M2007	5 W	24 VDC stab. ± 3%	360°	Ø 77 x 296 mm	500 g

CABLAGGI - *Wiring*



Cablaggi per i vari colori:
Wiring configuration or for different colours:

Colore LED - *LED Colour*	Collegamento - *Wiring*
	Cavo ROSSO - *RED cable*
	Cavo VERDE - *GREEN cable*
	Cavo BLU - *BLUE cable*
	Cavo ROSSO - *RED cable* + Cavo VERDE - *GREEN cable*
	Cavo ROSSO - *RED cable* + Cavo BLU - *BLUE cable*
	Cavo VERDE - *GREEN cable* + Cavo BLU - *BLUE cable*
	Cavo ROSSO - *RED cable* + Cavo VERDE - *GREEN cable* + Cavo BLU - *BLUE cable*

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Singolo modulo, multicolore, in metallo
Single-level, multicolor, metal body

DTS-LED 50 M12

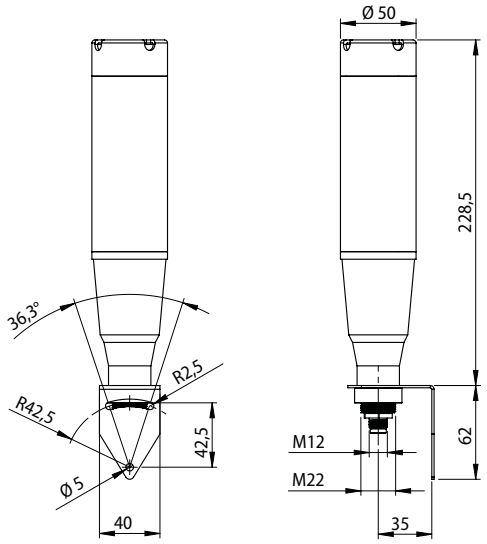
Torrette multifunzione a LED.
Funzioni: con buzzer intermittente, luce fissa.
Buzzer: 70 dB @ 1 m.
Connessione M12.
Terminale filettato.
Colore segnale: 3 colori RGB.
Corpo lampada in alluminio + diffusore PC.
Grado di protezione: IP20.
Temperatura operativa: -25°C... +55°C.
LINEA COMUNE NEGATIVA (PNP).

LED Multi-Functional Signal light.
Functions: with intermittent buzzer, steady light.
Buzzer: 70 dB @ 1 m.
M12 connector.
Threaded terminal.
Signal color: 3 colors RGB.
Aluminum body + PC cover.
Protection level: IP20.
Operating temperature: -25°C... +55°C.
COMMON LINE NEGATIVE (PNP).

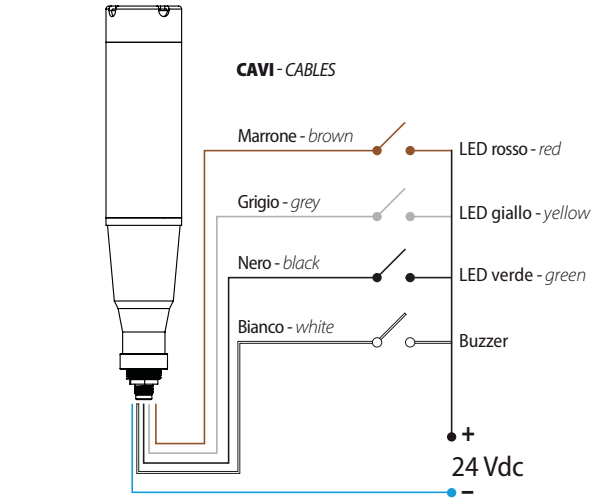


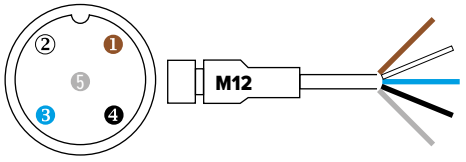
MODELLI *Models*	**Codice** *Code*	**Assorbimento max.** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 50 M12	34750M1010	5 W	24 VDC stab. ± 3%	360°	Ø 50 x 228.5 mm	340 g

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*





PIN nr.	LED
1	
2	Buzzer
3	V–
4	
5	

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Singolo modulo, multicolore, in metallo
Single-level, multicolor, metal

DTS-LED 50 MULTI BAT ALU 01/02

Torrette multifunzione a LED.
Funzioni: luce fissa.
Livelli: 1 Segnale luminoso + Buzzer.
Colore segnale: 3 colori RGY.
Installazione: non pieghevole.
Corpo lampada in alluminio + diffusore acrilico.
Grado di protezione: IP20.
Temperatura operativa: -25°C... +55°C.
LINEA COMUNE NEGATIVA (PNP).
Lunghezza cavo: 2,80 m.

LED Multi-Functional Signal light.
Functions: steady light.
Layers: 1 Light signal + Buzzer.
Signal color: 3 colors RGY.
Installation: straight.
Aluminum lamp body + Acrylic diffuser.
Protection level: IP20.
Operating temperature: -25°C... +55°C.
COMMON LINE NEGATIVE (PNP).
Cable length: 2,80 m.



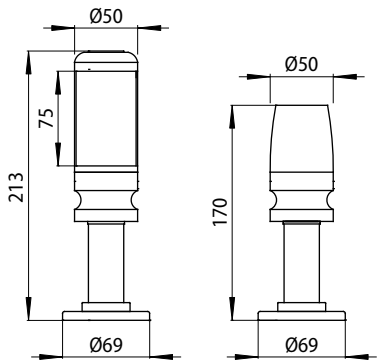
DTS-LED 50
MULTI BAT
ALU01-213-BZ

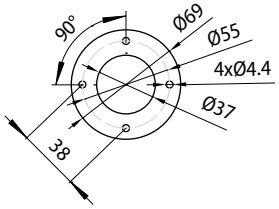


DTS-LED 50
MULTI BAT
ALU02-170-BZ

MODELLI *Models*	**Codice** *Code*	**Assorbimento max.** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED 50 MULTI BAT ALU01-213-BZ	34750M3001	5 W	24 VDC stab. ± 3%	360°	Ø 69 x 213 mm	330 g
DTS-LED 50 MULTI BAT ALU02-170-BZ	34750M3002				Ø 69 x 170 mm	290 g

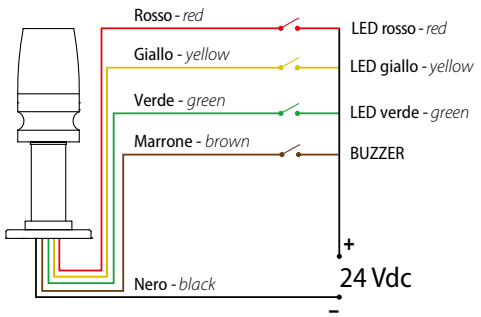
DIMENSIONI [mm] - *Dimensions [mm]*

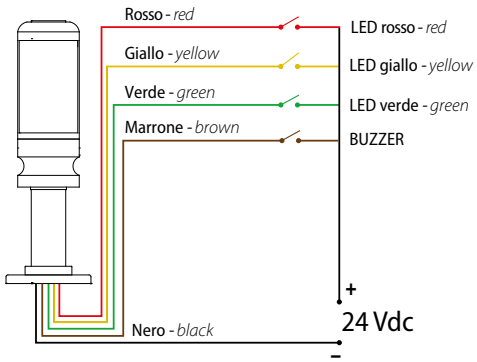




CABLAGGI - *Wiring*

CAVI - *CABLES*





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DTS-LED GLOBE

Versioni diametro 30 mm - *30 mm diameter versions*



DTS-LED30 GLOBE



DTS-LED30 GLOBE B

Materiale *Material*	Corpo alluminio, cover PC *Aluminum housing, PC cover* Staffa acciaio inox *Stainless steel bracket*
Grado di protezione *Protection level*	IP67
Connettore *Connection*	M12 4pin - PNP/NPN Maschio - *Male*
Colori dei LED *LED colors*	Rosso, verde, giallo Rosso, verde, blu *Red, green, yellow* *Red, green, blue*
Temperatura operativa *Operating temperature*	-25°C... +50°C

IP67

CE

RoHS COMPLIANT

Versioni diametro 50 mm - *50 mm diameter versions*

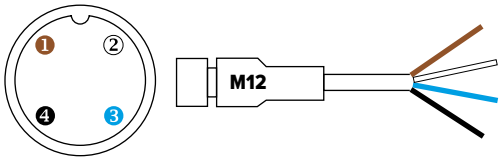


DTS-LED50 GLOBE



DTS-LED50 GLOBE B

CABLAGGI - *Wiring*



PIN nr.	LED
1	
2	
3	Common +/-
4	/

Cavo con M12 e staffa non inclusi
Cable with M12 and bracket not included

MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED30 GLOBE	3470323123	0,5 A	24 VDC	360°	Ø 30 x 51 mm	30 g
DTS-LED30 GLOBE B	3470323122		12 VDC			
DTS-LED50 GLOBE	3470523123		24 VDC		Ø 50 x 66 mm	65 g
DTS-LED50 GLOBE B	3470523124		24 VDC			
DTS-LED50 GLOBE 12	3470523112		12 VDC			

ACCESSORI
Accessories

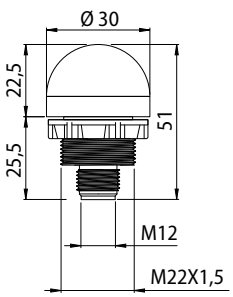
STAFFA GLOBE 30 *(Bracket)*	34750M9993
STAFFA GLOBE 50 *(Bracket)*	34750M9995

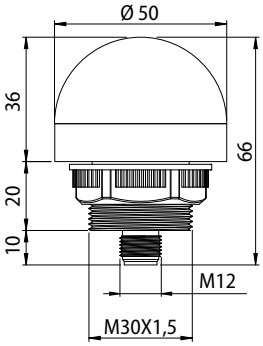
Cavo precablato M12 Nero in PVC Femmina 180° 4 Pin
M12 Female 180° 4 pins black PVC overmolded cable

Codice	Modello	Lunghezza cavo
433Z11341X	DA12FD04BFX301	1 m
433Z11343X	DA12FD04BFX303	3 m
433Z016990	DA12FD04BFX305	5 m
433Z11346X	DA12FD04BFX310	10 m



DIMENSIONI [mm] - *Dimensions [mm]*





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Ø30 e Ø50 mm, sensore touch capacitivo
Ø30 and Ø50 mm, capacitive touch sensor

DTS-LED GLOBE TOUCH

Versioni diametro 30 mm
30 mm diameter versions



Versioni diametro 50 mm
50 mm diameter versions



Cavo con M12 e staffa non inclusi
Cable with M12 and bracket not included

Materiale *Material*	Corpo alluminio, cover PC *Aluminum housing, PC cover* Staffa acciaio inox *Stainless steel bracket*
Grado di protezione *Protection level*	IP67
Connettore *Connection*	M12 8pin - PNP Maschio - *Male*
Colori dei LED *LED colors*	Rosso, verde, giallo *Red, green, yellow*
Interruttore *Switch*	Capacitivo *Capacitive*
Tipo di interruttore *Switch type*	Normalmente aperto (NO, max 300mA) *Normally-open switch*
Tipo di connessione *Connection type*	PNP
Temperatura operativa *Operating temperature*	-25°C... +50°C

IP67

CE

RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED30 TOUCH	3470323124	0,25 A	12-24 VDC	360°	Ø 30 x 47 mm	30 g
DTS-LED50 TOUCH	3470523126	0,5 A	12-24 VDC	360°	Ø 50 x 53,1 mm	65 g

ACCESSORI *Accessories*

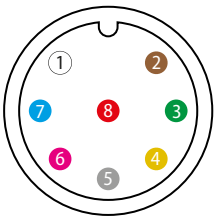
STAFFA GLOBE 30 *(Bracket)*	34750M9993
STAFFA GLOBE 50 *(Bracket)*	34750M9995

Cavo precablato M12 Nero in PVC Femmina 180° 8 Pin
M12 Female 180° 8 pins black PVC overmolded cable

Codice	Modello	Lunghezza cavo
433Z11381X	DA12FD08BFX201	1 m
433Z482030	DA12FD08BFX203	3 m
433Z016685	DA12FD08BFX205	5 m
433Z11386X	DA12FD08BFX210	10 m

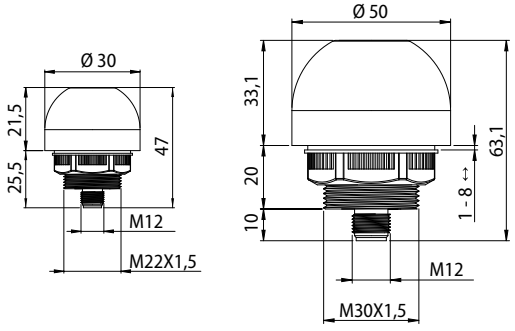


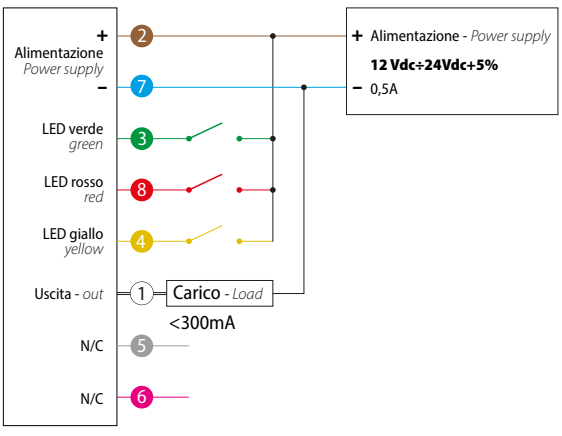
CABLAGGI - *Wiring*



PIN nr.	LED
1	Uscita-*out*
2	+
3	●
4	●
5	N/C
6	N/C
7	–
8	●

DIMENSIONI [mm] - *Dimensions [mm]*





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NEW

Ø30 e Ø50 mm, buzzer
Ø30 and Ø50 mm, buzzer

DTS-LED GLOBE BZ

Versioni diametro 50 mm
50 mm diameter versions



Cavo con M12 e staffa non inclusi
Cable with M12 and bracket not included

Materiale *Material*	Corpo alluminio, cover PC *Aluminum housing, PC cover* Staffa acciaio inox *Bracket stainless steel*
Grado di protezione *Protection level*	IP40
Connessione *Connection*	M12 5pin - PNP/NPN Maschio - *Male*
Colori dei LED *LED colors*	Rosso, verde, giallo + Buzzer *Red, green, yellow + Buzzer*
Buzzer fisso *Steady buzzer*	65 dB @ 1 m
Temperatura operativa	-25°C... +50°C

IP40

CE

RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED50 GLOBE BZ	3470523131	0,5 A	24 VDC	360°	Ø 50 x 54.5 mm	65 g
NEW DTS-LED50 GLOBE BZ 12	3470523132	0,22 A	12 VDC	360°	Ø 50 x 54.5 mm	65 g

ACCESSORI
Accessories

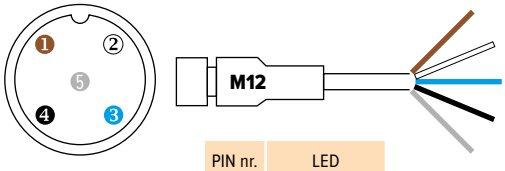
STAFFA GLOBE 50 *(Bracket)*	34750M9995

Cavo precablato M12 Nero in PVC Femmina 180° 5 Pin
M12 Female 180° 5 pins black PVC overmolded cable

Codice	Modello	Lunghezza cavo
433Z11351X	DA12FD05BFX301	1 m
433Z11353X	DA12FD05BFX303	3 m
433Z11355X	DA12FD05BFX305	5 m
433Z11356X	DA12FD05BFX310	10 m

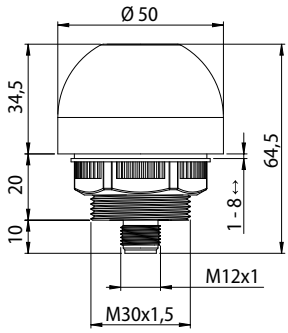


CABLAGGI - *Wiring*

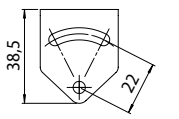


PIN nr.	LED
1	
2	
3	Common +/-
4	
5	Buzzer

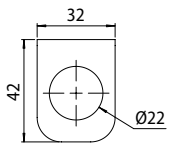
DIMENSIONI [mm] - *Dimensions [mm]*

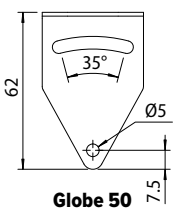


DIMENSIONI STAFFE [mm] - *Bracket dimensions [mm]*

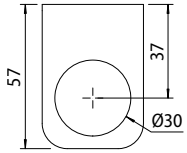


Globe 30





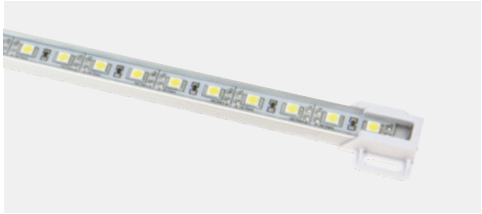
Globe 50



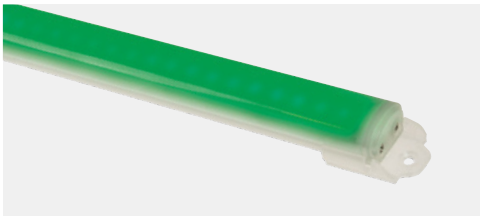
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ILLUMINAZIONE A LED PER MACCHINARI

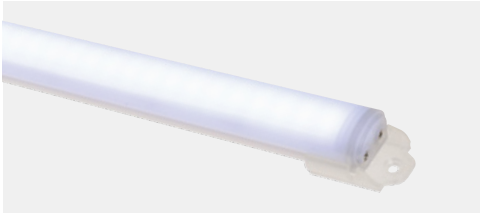
Machinery LED lighting



LAMPADE LINEARI COMPATTE
Compact linear lamps



LAMPADE LINEARI COLORATE
Colored linear lamps



NEW

LAMPADE LINEARI A ELEVATO IP
High IP linear lamps



NEW

LAMPADE LINEARI IN METALLO
Metal linear lamps



LAMPADE LINEARI PER AMBIENTI GRAVOSI
Linear lamps for harsh environments



ILLUMINAZIONE TECNICA
Technical lighting



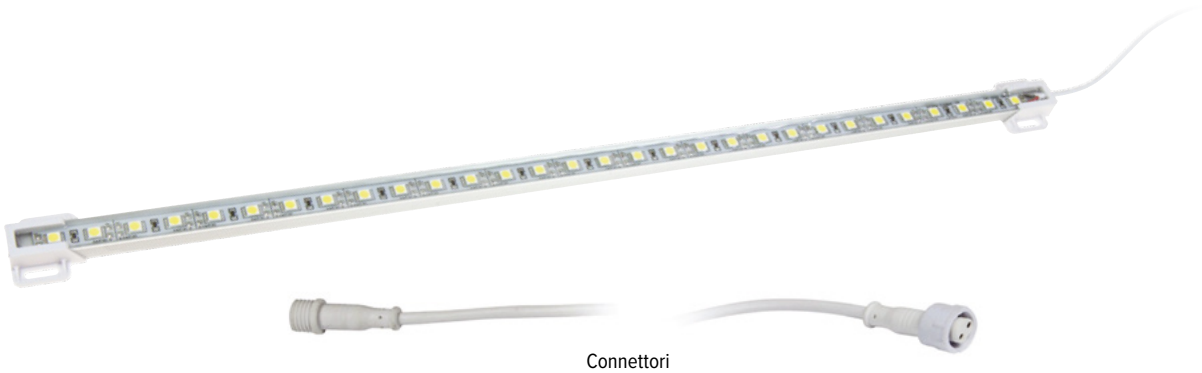
LAMPADE DA BANCO / FARETTI
Desk lamps / spotlights

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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED EKOS B

IP65



Connettori
Connectors

Grado di protezione - *Protection level*	IP65
Lunghezza cavo - *Cable length*	Tipo - *type* 0: 240 + 1000 mm Tipo - *type* 1: 240 mm / 240 + 1000 mm
CCT	6000K



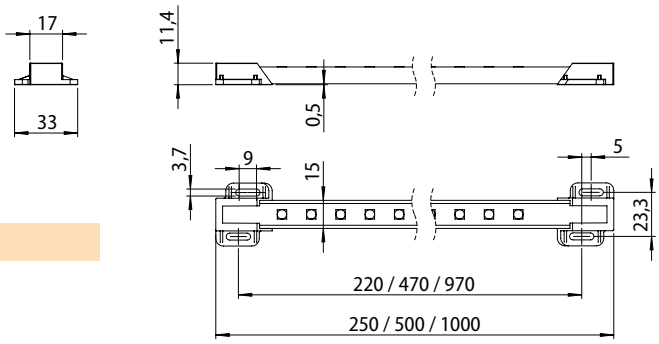
Clip di fissaggio da ordinare separatamente

Mounting clip to be ordered separately

MODELLI *Models*	**Tipo** *Type*	**Codice** *Code*	**Potenza** *Power*	**Flusso luminoso** *Luminous flux*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Peso** *Weight*
DTS-LED EKOS B 250	**0**	3470110250	4 W	275 lm	24 VDC	120°	40 g
	1	3470110251					
DTS-LED EKOS B 500	**0**	3470110500	7 W	550 lm			75 g
	1	3470110501					
DTS-LED EKOS B 1000	**0**	3470111000	15 W	1100 lm			145 g
	1	3470111001					

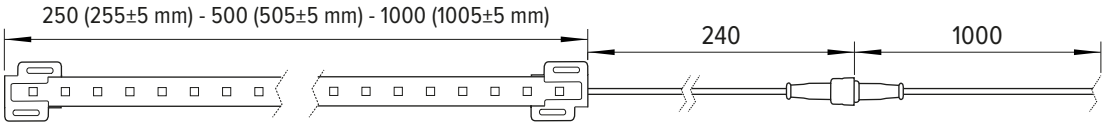
ACCESSORI *Accessories*	**Lunghezza** *Length*	**Codice** *Code*
Cavo - *Cable*	**7 m**	3470110007
Clip di fissaggio *Mounting clip*		3470119999

DIMENSIONI [mm] - *Dimensions [mm]*

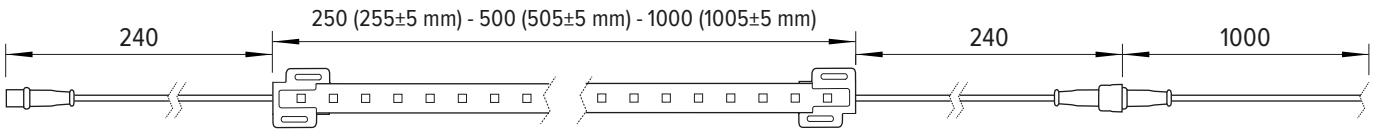


COLLEGAMENTO - *Connection*

Tipo - *Type* 0



Tipo - *Type* 1



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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED QPLC

Custodia completamente sigillata con grado di protezione IP65, adatta ad ambienti dove sono persistenti polvere o umidità.
Mantiene l'intensità luminosa grazie a un'ottica resistente alla polvere.
2 lunghezze: 300 e 500 mm.
Certificati: CE, UL.

Fully enclosed structure with protection rating of IP65, suitable for environments with persisting dust or moisture.
it maintains bright intensity illumination thanks to dust resistant lens.
2 lengths: 300 and 500mm.
Certificates: CE, UL.



Lunghezza cavo: 2 metri
Cable lenght: 2 meters

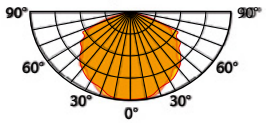
IP65

Disponibili versioni ad alta intensità e versioni con lente opalina per quantitativi minimi di acquisto.
High-intensity versions and opal lens versions are available upon minimum order quantity.

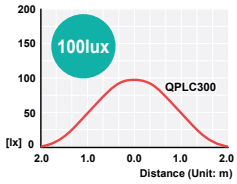
Grado di protezione - *Protection level*	IP65
Temperatura operativa - *Operating temperature*	-30...+50°C
CCT	6500 K
Cavo in dotazione - *Power line standard*	UL2464 AWG22 (0.3sqx2C) 2000 mm

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*	**Peso** *Weight*
DTS-LED QPLC 300	3479000300	4 W	24 VDC	309 lm	120°	300 x 39 x 24 mm	150 g
DTS-LED QPLC 500	3479000500	7.5 W		587 lm		500 x 39 x 24 mm	210 g

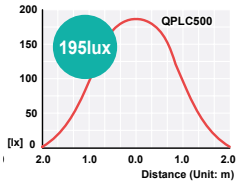
Distribuzione della intensità luminosa
Luminous intensity distribution



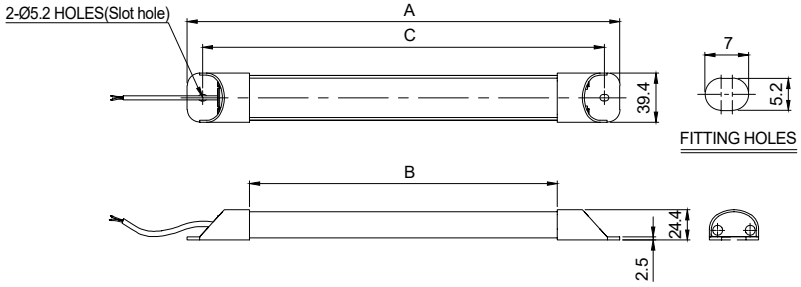
Illuminamento - *Illumination*
QPLC 300



Illuminamento - *Illumination*
QPLC 500



DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**A**	**B**	**C**
DTS-LED QPLC 300	300	200	275
DTS-LED QPLC 500	500	400	475

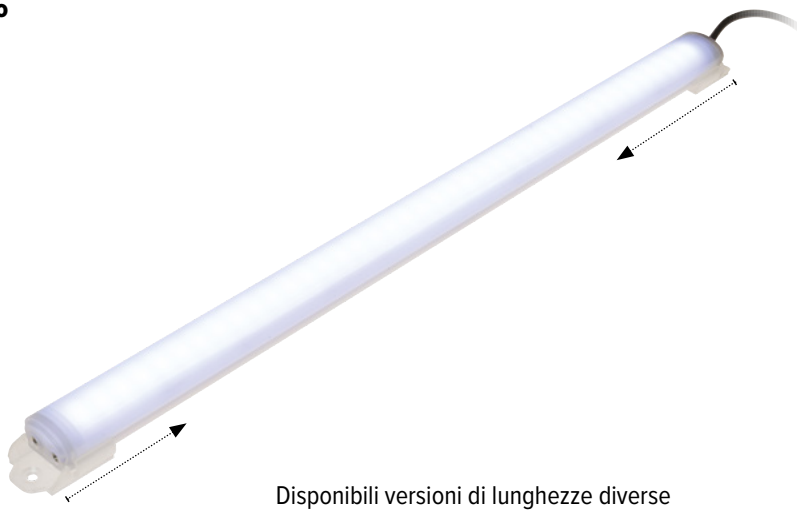
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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED QCML

Custodia completamente sigillata con grado di protezione IP67/69K, adatta ad ambienti dove sono persistenti getti d'acqua ad alta temperatura.
Ideale per macchine nel settore alimentare, farmaceutico, ecc...
Spessore ridotto: 23 mm.
Sistema di controllo a LED.
Cavo UL2464 AWG22 (0.3sqx2C).
Lunghezza cavo: 2 m.
2 lunghezze: 500 e 900 mm.
Temperatura operativa: -30°C... +50°C.

Fully enclosed structure with protection rating of IP67/69K, suitable for food, beverage and pharmaceutical machines.
It maintains bright intensity illumination thanks to dust resistant lens.
Slim thickness: 23 mm.
LED control system.
Cable UL2464 AWG22 (0.3sqx2C).
Cable length: 2 m.
2 lengths: 500 and 900mm.
Operating temperature: -30°C... +50°C.



IP67

IP69K

c UL us LISTED

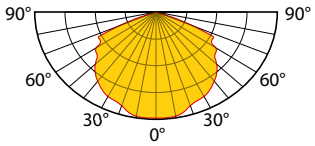
CE

Disponibili versioni di lunghezze diverse per quantitativi minimi di acquisto.
Different lenghts are available for minimum order quantity.

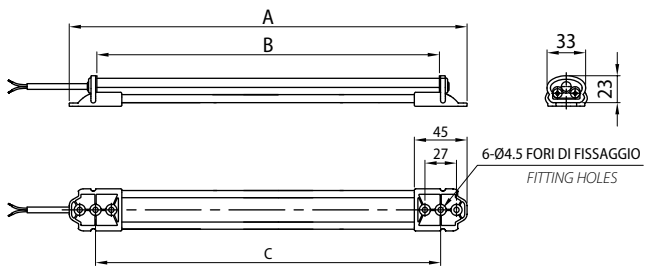
Staffe di montaggio rimovibili e distanza tra i supporti di montaggio regolabile.
Removable mounting brackets and adjustable mounting distance.

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*	**Peso** *Weight*
DTS-LED QCMLC 500	3479000750	12 W	24 VDC	800 lm	120°	500 x 39 x 23 mm	220 g
DTS-LED QCMLC 900	3479000790	18 W		1200 lm		900 x 39 x 23 mm	410 g

DISTRIBUZIONE DELL'INTENSITÀ LUMINOSA
Luminous intensity distribution



DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**A**	**B**	**C**
DTS-LED QCMLC 500	562	513	45...517
DTS-LED QCMLC 900	962	913	45...917

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DTS-LED EKOS 7C

IP65



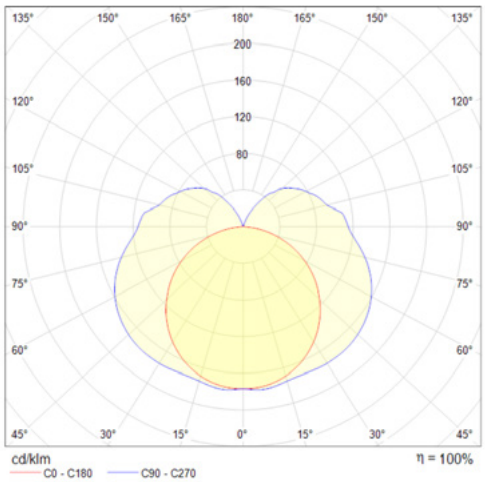


Materiale: PC.
Temperatura operativa: -20°C... +45°C.

Material: PC.
Operating temperature: -20°C... +45°C.

MODELLI *Models*	**Codice** *Code*	**Lunghezza cavo** *Cable length*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso *** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size L x H x D*	**Peso** *Weight*
DTS-LED EKOS 7C 300	3471120417	5 m	8 W	24 VDC	440 / 530 lm	120°	324 x 19 x 20 mm	50 g
DTS-LED EKOS 7C 500	3471120420	5 m	13 W		750 / 870 lm		524 x 19 x 20 mm	80 g
DTS-LED EKOS 7C 1000	3471120499	5 m	25 W		1450 / 1750 lm		1024 x 19 x 20 mm	160 g

CURVE FOTOMETRICHE - *Photometric data*



* Riferito alla luce bianca
Referred to the white light

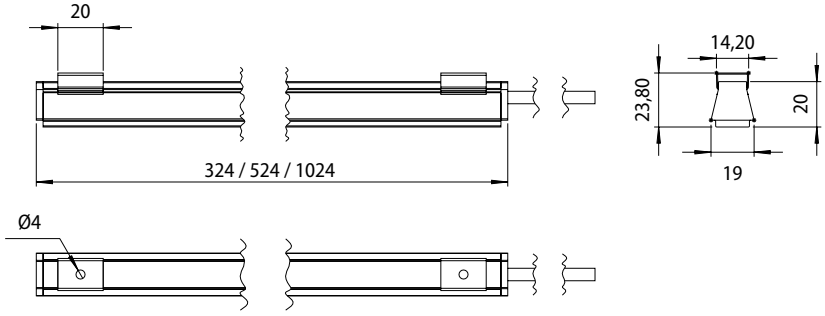
Clip di fissaggio incluse nella fornitura
Mounting clips included in the delivery



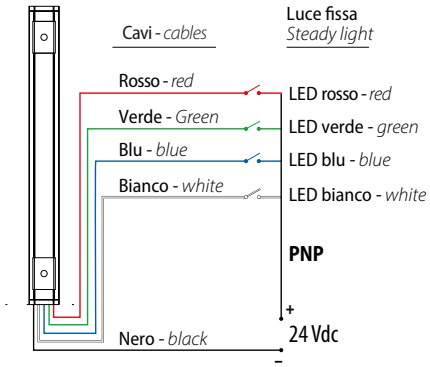
Cablaggi per i vari colori:
Wiring configuration for different colours:

Colore LED - *LED Colour*	Colore cavi - *cable colour*
	BIANCO - *White*
Alta intensità *High intensity*	TUTTI I CAVI - *All the cables*
	ROSSO - *Red*
	VERDE - *Green*
	BLU - *Blue*
	Verde *(green)* + Blu *(blue)*
	Rosso *(red)* + Blu *(blue)*
	Rosso *(red)* + Verde *(green)*
Comune - *Common*	NERO - *Black*

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



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DTS-LED QCML 7C

Custodia completamente sigillata con grado di protezione IP67/69K, adatta ad ambienti dove sono persistenti getti d'acqua ad alta temperatura.
Ideale per macchine nel settore alimentare, farmaceutico, ecc...
Spessore ridotto: 23 mm.
Sistema di controllo a LED.
Cavo UL2464 AWG22 (0.3sqx2C).
Lunghezza cavo: 2 m.
2 lunghezze: 500 e 900 mm.
Temperatura operativa: -30°C... +50°C.

Fully enclosed structure with protection rating of IP67/69K, suitable for food, beverage and pharmaceutical machines.
It maintains bright intensity illumination thanks to dust resistant lens.
Slim thickness: 23 mm.
LED control system.
Cable UL2464 AWG22 (0.3sqx2C).
Cable length: 2 m.
2 lengths: 500 and 900mm.
Operating temperature: -30°C... +50°C.



IP67

IP69K

c UL us LISTED

CE

RoHS COMPLIANT

Disponibili versioni di lunghezze diverse per quantitativi minimi di acquisto.
Different lenghts are available for minimum order quantity.

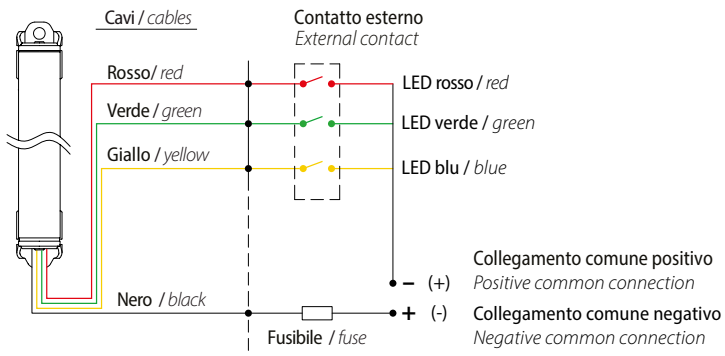


Colori - *Colours*

Bianco - Rosso - Verde - Blu - Violetto - Ciano - Giallo
White - Red - Green - Blue - Purple - Cyan - Yellow

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso*** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*	**Peso** *Weight*
DTS-LED QCML 7C 500	3479000650	10 W	24 VDC	300 lm	120°	500 x 39 x 23 mm	220 g
DTS-LED QCML 7C 900	3479000690	17 W		600 lm		900 x 39 x 23 mm	410 g

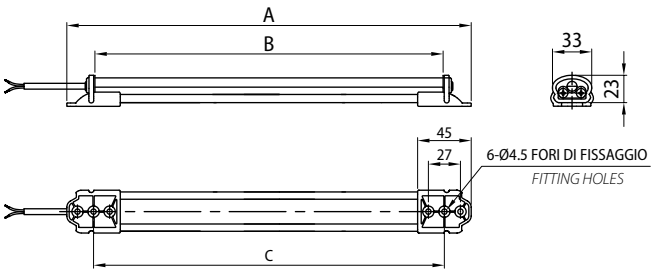
* Riferito alla luce bianca - *Referred to the white light*



Cablaggi per i vari colori:
Wiring configuration for different colours:

Colore LED - *LED Colour*	Colore cavi - *cable colour*
	ROSSO - *Red*
	VERDE - *Green*
	GIALLO - *Yellow*
	Rosso *(red)* + Verde *(green)*
	Rosso *(red)* + Blu *(blue)*
	Verde *(green)* + Blu *(blue)*
	Rosso *(red)* +Verde *(green)* + Giallo *(yellow)*
Comune - *Common*	NERO - *Black*

DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	A	B	C
DTS-LED QCML 7C 500	562	513	45...517
DTS-LED QCML 7C 900	962	913	45...917

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DTS-LED SENSE

Corpo in policarbonato.
Grado di protezione IP50.
LED di alta luminosità, >100lm/w.
Facile da installare.
Fissaggio con viti o magneti.
Sensore PIR.

Polycarbonate housing.
IP50 protection rating.
High brightness LED, >100lm/w.
Easy to install.
Mounting with screws or magnets.
PIR motion sensor.



IP50

CE

RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio uminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED SENSE 400 DC	3470024400	8 W	24 VDC	922 lm	120°	400 x 45 x 31 mm	155 g
DTS-LED SENSE 600 DC	3470024600	12 W		1536 lm		600 x 45 x 31 mm	230 g
DTS-LED SENSE 400 AC	3470230400	8 W	230 VAC	922 lm	120	400 x 45 x 31 mm	155 g
DTS-LED SENSE 600 AC	3470230600	12 W		1536 lm		600 x 45 x 31 mm	230 g

Grado di protezione *Protection level*	IP50
Efficienza luminosa *Luminous efficiency*	>100 lm/W
Temperatura operativa *Working temperature*	-20°C... +45°C
Durata *Lifespan*	50000 h
CCT	6500 - 7000K
CRI	>80%
Modalità di montaggio *Mounting method*	Fissaggio con viti - magneti *Fixed by screws - magnets*
Connessione *Connection*	Cavo - *cable* 2m



La DTS-LED PIR è dotata di un interruttore che consente di selezionare tra la modalità luce sempre accesa o la modalità con rilevamento del movimento.

I - ON
0 - OFF
II - PIR

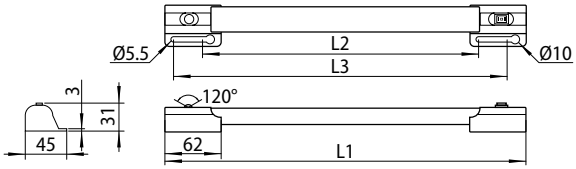
The DTS-LED PIR is equipped with a switch that allows to select between the always-on mode or the motion detection mode.



Distanza di rilevamento: 0-3 m.
Angolo di rilevamento ampio di 120°.
La luce si spegne automaticamente dopo 30 secondi dall'uscita dall'area di rilevamento.

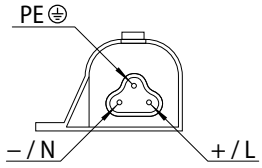
Detection range: 0-3 m.
Wide detection angle of 120°.
The light automatically turns off 30 seconds after leaving the detection area.

DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**L1**	**L2**	**L3**
DTS-LED SENSE 400	400	312	376
DTS-LED SENSE 600	600	512	576

CABLAGGI - *Wiring*



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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED LINE PLAFO



IP65

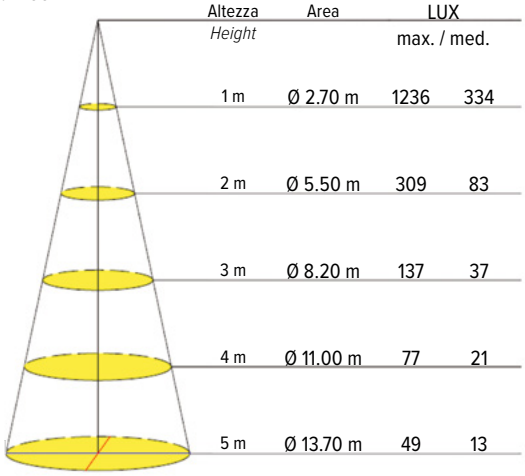
CE

RoHS COMPLIANT

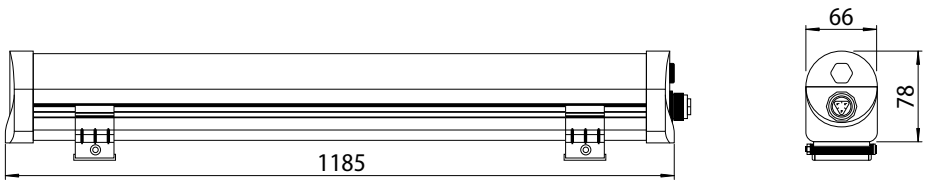
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio uminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED LINE plafo 1200	3470131200	40 W	230 VAC	3500 lm	125°	1185 x 78 x 66	1100 g

Grado di protezione - *Protection level*	IP65
Efficienza luminosa *Luminous efficiency*	85 - 95 lm/W
Alimentatore - *Driver*	Isolato - *Isolated*
Temperatura operativa *Operating temperature*	-20°C... +40°C
Temperatura operativa *Working temperature*	-20°C... +45 °C
Durata - *Lifespan*	50000 h
CCT	5500-6000K
CRI	>80%
PF	>0.9
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*
Connessione - *Connection*	Connettore a cablare in dotazione, cavo non incluso *Field connector included, cable not included*

mod. 1200



DIMENSIONI [mm] - *Dimensions [mm]*



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DTS-LED PLAFO 2

Corpo in alluminio.
Connessione M12.
Lunghezza 900 mm.
CRI > 80.
IP20.

Aluminum body.
M12 connector.
Length 900 mm.
CRI>80.
IP20.





IP20

CE

RoHS COMPLIANT

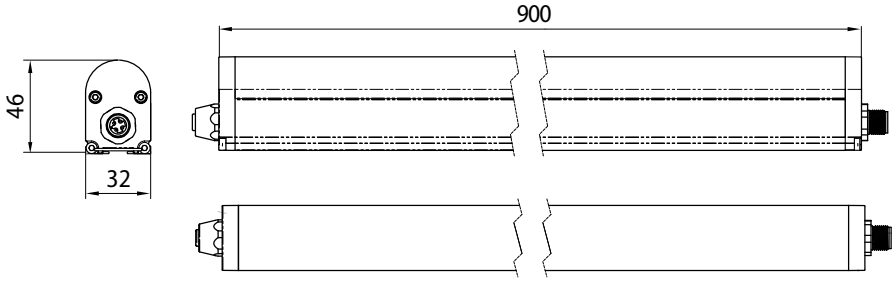
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED PLAFO 2-900	3479002000	23 W	24 VDC	1725 lm	120°	900 x 32 x 46 mm	800 g

Grado di protezione - *Protection level*	IP20
Efficienza luminosa - *Luminous efficiency*	>100 lm/W
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	K ≥80Ra
Connessione - *Connection*	M12 4 pin maschio - *male*
Modalità di montaggio *Mounting method*	Staffa - *Bracket* 

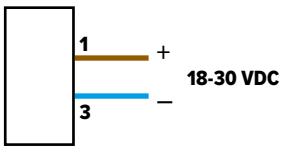
La serie DTS-PLAFO 2 ha un corpo di alluminio ed un diffusore in policarbonato. Garantisce un elevato illuminamento all'interno del quadro privo di imperfezioni e con un indice colorimetrico superiore a 80. Il collegamento avviene con connettore M12. La staffa in acciaio fornita a corredo permette una semplice installazione.

DTS-PLAFO 2 is made by aluminum profile with Polycarbonate diffusor. Thanks to the high CRI the electrical cabinet is perfectly illuminated. The connection can be done with M12 connector.

DIMENSIONI [mm] - *Dimensions [mm]*



CABLAGGI - *Wiring*



Cavo con connettore maschio non compreso.
Cable with male connector not included.

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NEW

Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED TWIN

IP65

CE

RoHS COMPLIANT



DTS-LED TWIN500





DTS-LED TWIN1000

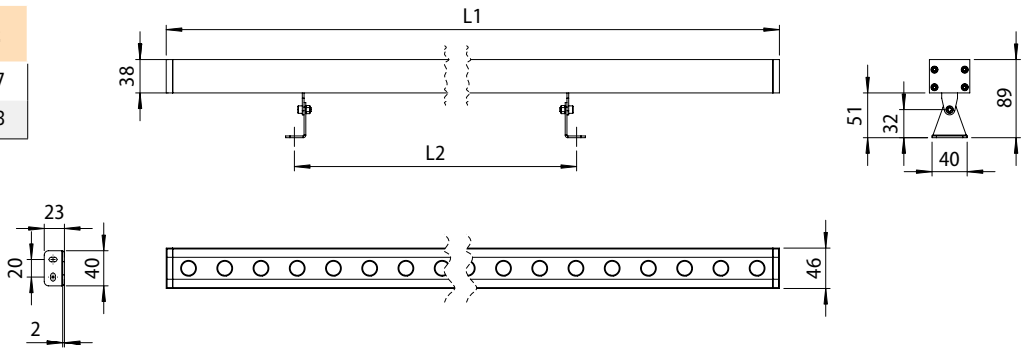
NEW	**MODELLI** *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*	**Peso** *Weight*
	DTS-LE D TWIN500	3479000599	○ 24 W ● 24 W	24 VDC	○ 2300 lm ● 1300 lm	25 x 45°	500 x 46 x 38 mm	1330 g
	DTS-LED TWIN1000	3479000699	○ 45 W ● 45 W	24 VDC	○ 2482 lm ● 1256 lm	50° x 16°	1000 x 46 x 38 mm	2300 g

Grado di protezione - *Protection level*	IP65
Temperatura operativa *Working temperature*	-20°C... +40°C
CCT	○ 4000 K
CRI	≥80%
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*

Colore LED - *LED Colour*	Collegamento - *Wiring*
○	+ / −
●	+ / −

DIMENSIONI [mm] - *Dimensions [mm]*

MODELLI *Models*	**L1**	**L2**
DTS-LED TWIN 500	500	247
DTS-LED TWIN 1000	1000	623

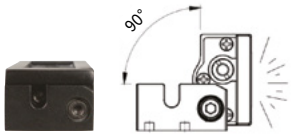


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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED LINE 2





IP65

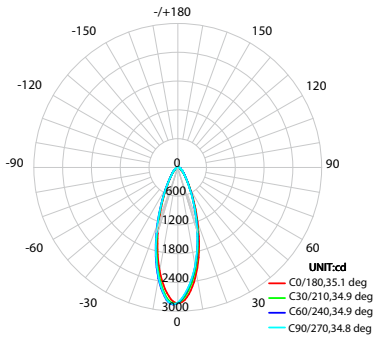
CE

RoHS COMPLIANT

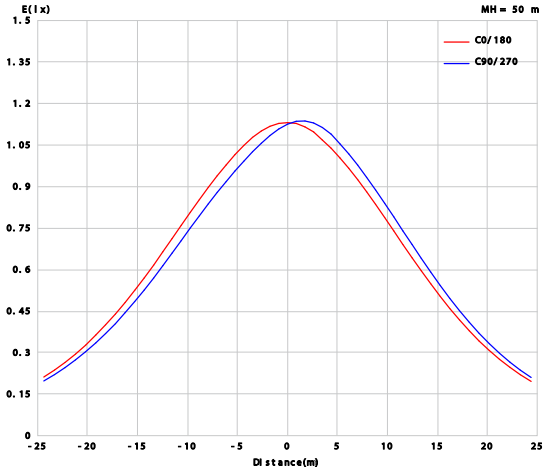
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED LINE2 280	3470120280	8 W	24 VDC	680 lm	30°	280 x 28 x 41	350 g
DTS-LED LINE2 380	3470120380	12 W		1000 lm		380 x 28 x 41	480 g
DTS-LED LINE2 480	3470120480	16 W		1330 lm		480 x 28 x 41	610 g
DTS-LED LINE2 580	3470120580	20 W		1600 lm		580 x 28 x 41	740 g

Grado di protezione - *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	85 lm/W
Temperatura operativa *Working temperature*	-20°C... +45°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	≥80%
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*
Lunghezza cavo - *Cable length*	0,5 m

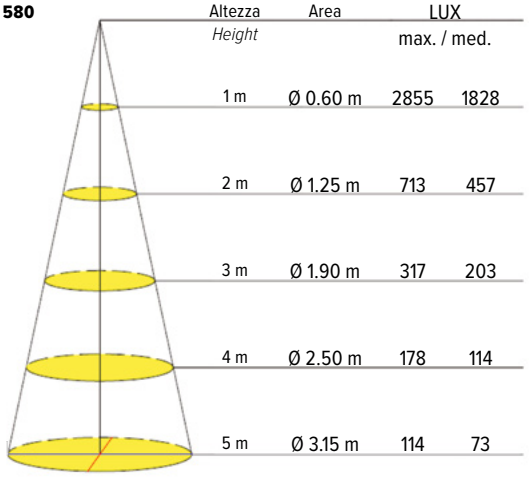
CURVE FOTOMETRICHE - *Photometric data* **MOD. 580**



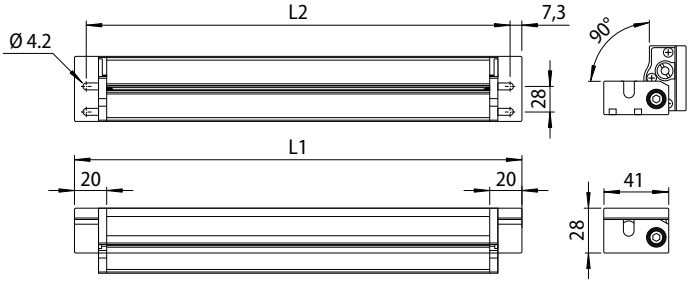
AVERAGE BEAM ANGLE (50%): 34.9 DEG



mod. 580



DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**L1**	**L2**
DTS-LED LINE2 280	280	255~265
DTS-LED LINE2 380	380	355~365
DTS-LED LINE2 480	480	455~465
DTS-LED LINE2 580	580	555~565

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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED RC500

Montaggio a incasso con notevole riduzione degli ingombri.
Corpo in alluminio anodizzato e vetro temprato.
Copertura opalescente per una luce morbida con basso riverbero.
LED di alta qualità con lunga durata e bassa decadenza.
CRI > 80.
Guarnizione inclusa.

Recessed mounting with high space saving.
Body in anodized aluminum and tempered glass.
Opalescent cover for soft light with low glare.
High quality LED with long life and low decay.
CRI > 80.
Included gasket.



IP67

CE

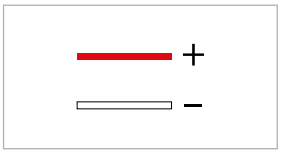
RoHS COMPLIANT

Interruttore - *Light switch*

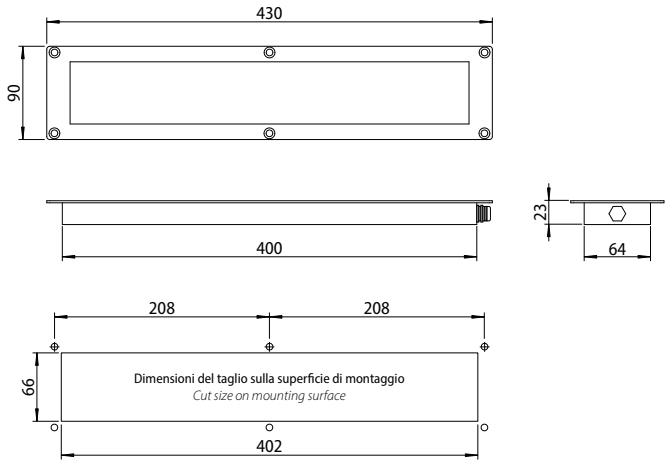
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio uminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED RC500	3479004500	24 W	24 VDC	1464 lm	120°	430 x 90 x 23 mm	680 g

Grado di protezione - *Protection level*	IP67
Efficienza luminosa *Luminous efficiency*	61 lm/W
Temperatura operativa *Working temperature*	-20°C... +45°C
Durata - *Lifespan*	50000 h
CCT	6000-6500K
CRI	>80%
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*
Lunghezza cavo - *Cable length*	0,5 m

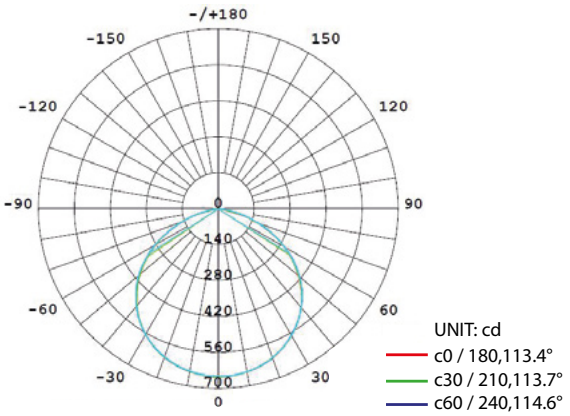
CABLAGGI - *Wiring*



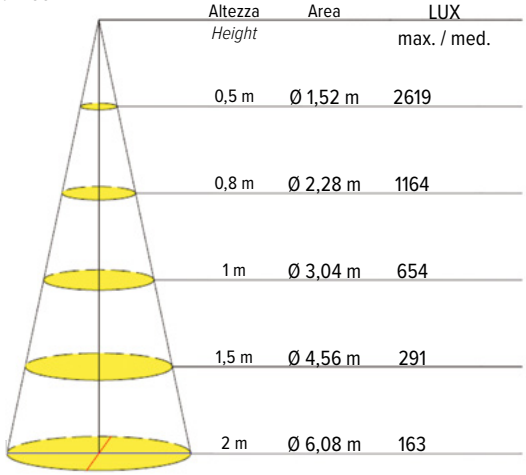
DIMENSIONI [mm] - *Dimensions [mm]*



CURVE FOTOMETRICHE - *Photometric data*



mod. 1200



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Lampade lineari compatte ad elevato IP
Compact linear lamps with high IP

DTS-LED FLTP

Corpo in alluminio anodizzato e vetro temprato.
Grado di protezione IP67.
LED di alta luminosità, 90lm/w.
Facile da installare.
Dimensioni compatte,
con basso profilo.

Body in anodized aluminum and tempered glass.
IP67 protection rating.
High brightness LED, 90lm/w.
Easy to install.
Compact size, with low profile.



IP67

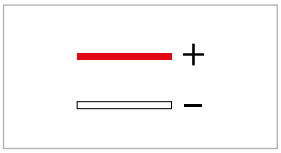
CE

RoHS COMPLIANT

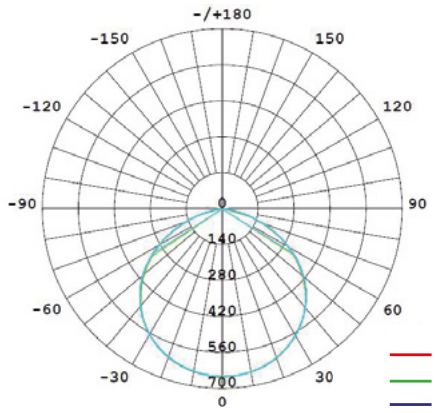
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED FLTP 300	3479003300	12 W	24 VDC	1080 lm	120°	304 x 64 x 21 mm	490 g
DTS-LED FLTP 600	3479003600	28 W	24 VDC	2520 lm	120°	604 x 64 x 21 mm	950 g

Grado di protezione - *Protection level*	IP67
Efficienza luminosa - *Luminous efficiency*	90 lm/W
Temperatura operativa *Operating temperature*	-20°C... +45°C
Durata - *Lifespan*	50000 h
CCT	6000-6500 K
CRI	>80Ra
Lunghezza cavo - *Cable lenght*	0,55 m

CABLAGGI - *Wiring*

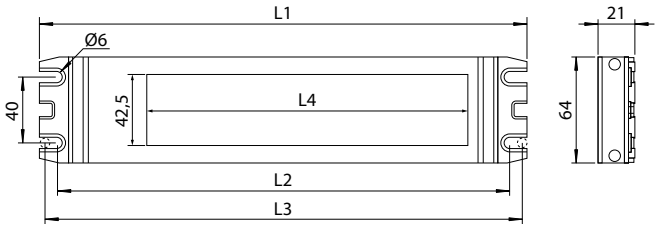


CURVE FOTOMETRICHE - *Photometric data*



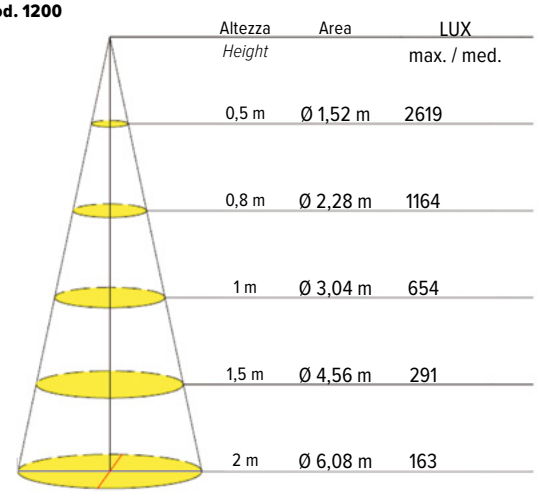
Mean beam angle (50%): 114.0 Deg

DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**L1**	**L2**	**L3**	**L4**
DTS-LED FLTP 300	304	282	298	200
DTS-LED FLTP 600	604	582	598	500

mod. 1200



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DTS-LED L3

Corpo in alluminio e vetro temprato, IP65.
Connessione M12 con possibilità di connessione in serie.
Lunghezza 250/500/1000mm.
Orientabile 180°.
Elevata efficienza.

Aluminum body and tempered glass, IP65.
Connector M12, with the possibility of series connections.
Length 250/500/1000mm.
Adjustable 180°.
High efficiency.

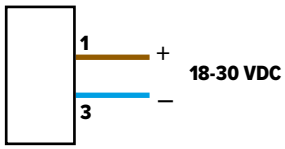


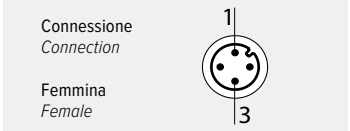
IP65 CE RoHS COMPLIANT

MODELLI *Models*	Codice *Code*	Potenza *Power*	Tensione ingresso *Input voltage*	Flusso luminoso *Luminous flux*	Fascio luminoso *Beam*	Dimensioni *Case size XYZ*
DTS-LED L3-250	3479001250	6.5 W	24 VDC	610 lm	60°	268 x 32 x 24.7 mm
DTS-LED L3-500	3479001500	12.5 W		1180 lm		518 x 32 x 24.7 mm
NEW DTS-LED L3-500 OP2*	3479001501	12.5 W		1100 lm		518 x 32 x 24.7 mm
DTS-LED L3-1000	3479001001	25 W		2370 lm		1018 x 32 x 24.7 mm
NEW DTS-LED L3-1000 OP2*	3479001003	25 W		2200 lm		1018 x 32 x 24.7 mm

***Versione con vetro opalino** - *Version with opal glass diffuser*

Grado di protezione - *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	>100 lm/W
Alimentatore - *Driver*	Isolato - *Isolated*
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	K ≥70Ra
Corrente nominale - *Rated current*	0.27/0.56/1.05 A
Connessione - *Connection*	M12 4 pin maschio - *male* (IN) femmina - *female* (OUT)
Modalità di montaggio - *Mounting method*	Staffa regolabile - *Adjustable bracket*

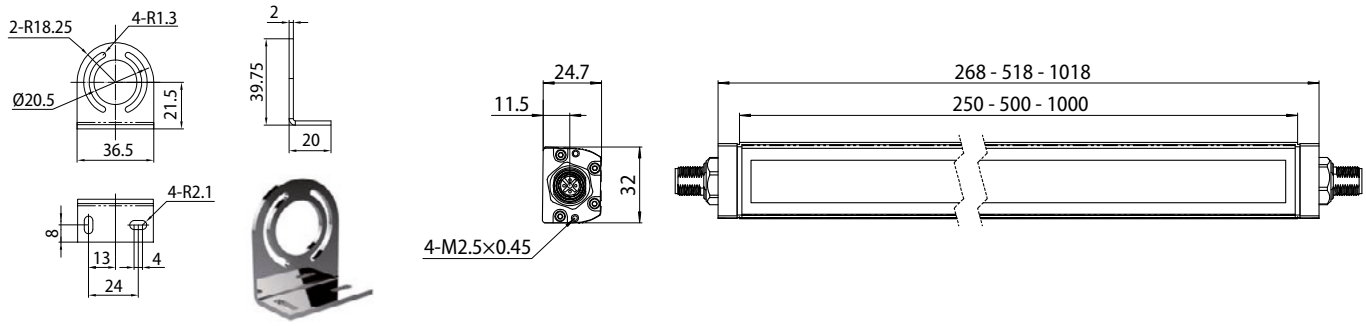




La serie DTS-LED L3 ha un corpo di alluminio ed è protetta da un vetro temprato raggiungendo un grado di protezione IP65. È particolarmente indicata nell'illuminazione di macchinari, illuminazione di celle frigorifere, industria alimentare, industria farmaceutica, ecc.
DTS- LED L3 è fornita di un doppio connettore M12 per avere la possibilità di un collegamento in serie delle lampade.
La staffa fornita a corredo permette un'ampia regolazione del fascio luminoso.

DTS-LED L3 is made of aluminum material and it is protected by a tempered glass offering IP65 degree of protection. It is then suitable for machinery lighting in various manufacturing sectors, from machine tools to pharmaceuticals, from packaging to food industries. The device is equipped with a double M12 connector to have the possibility of a series connection of the lamps.
Thanks to the included stainless steel bracket the light can be oriented as needed.

DIMENSIONI [mm] - *Dimensions [mm]*



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DTS-LED LINE CONQUICK



IP65

CE

RoHS COMPLIANT

Cavo con connettore M12 non compreso
M12 Cable not included

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED LINE CONQUICK 300	3470150300	7 W	24 VAC/DC	665 lm	120°	380 x Ø38 mm	360 g
DTS-LED LINE CONQUICK 600	3470150600	16 W		1498 lm		740 x Ø38 mm	830 g

Grado di protezione - *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	90-100 lm/W
Alimentatore - *Driver*	Isolato - *Isolated*
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	≥80Ra
PF	≥0.9
Connessione - *Connection*	M12 4 pin maschio - *male*
Modalità di montaggio - *Mounting method*	Staffa - *Clamp*

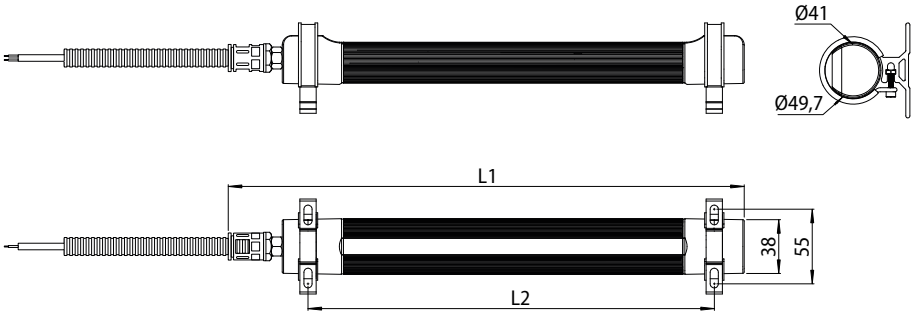
La serie DTS-LED CONQUICK adotta struttura in nylon e fibra, gomma impermeabile, vetro temprato, garantendo un grado di protezione IP65.

Applicazione: illuminazione interna di macchinari, illuminazione di celle frigorifere, industria alimentare, industria farmaceutica, acquacoltura, ecc.

DTS-LED CONQUICK series adopts Nylon and fiber structure, waterproof rubber, tempered glass, ensuring IP rating IP65.

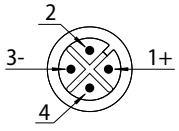
Application: Machinery lighting, cold room lighting, food factory, pharmaceutical factory, aquaculture, etc.

DIMENSIONI [mm] - *Dimensions [mm]*



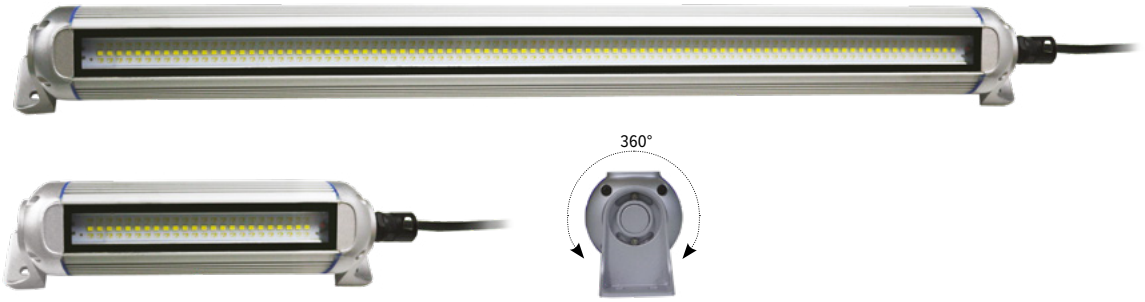
MODELLI *Models*	**300**	**600**
L1	380 mm	740 mm
Distanza dei fori *Hole distance*	38~55 mm	
L2	268~332 mm	608~672 mm

CONNESSIONE
Connection



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DTS-LED LINE EASY FIX



IP69

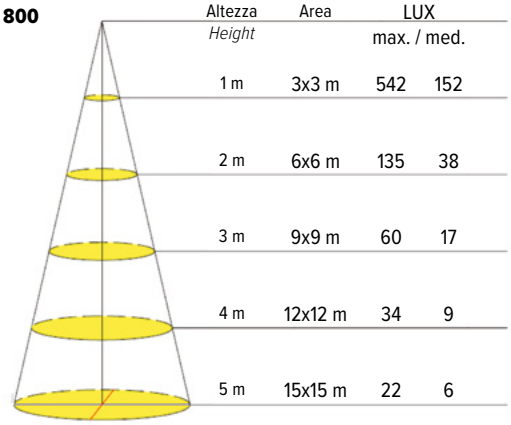
CE

RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED LINE EASY FIX 300	3470140300	7 W	24 VDC	665 lm	120°	Ø60 x 71 x 357	530 g
DTS-LED LINE EASY FIX 600	3470140600	16 W		1498 lm		Ø60 x 71 x 701	1020 g
DTS-LED LINE EASY FIX 800	3470140800	20 W		1997 lm		Ø60 x 71 x 897	1220 g

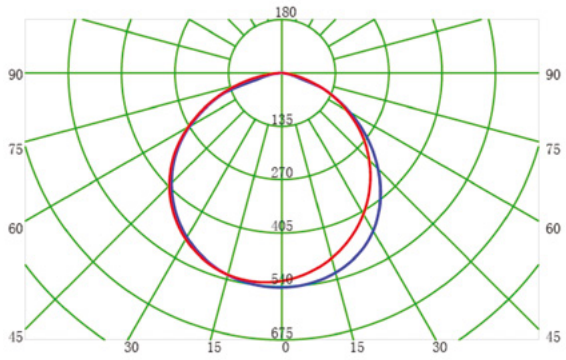
Grado di protezione - *Protection level*	IP69
Efficienza luminosa - *Luminous efficiency*	100 lm/W
Temperatura operativa *Operating temperature*	-20°C... +45°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	≥80%
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*
Lunghezza cavo - *Cable length*	2 m

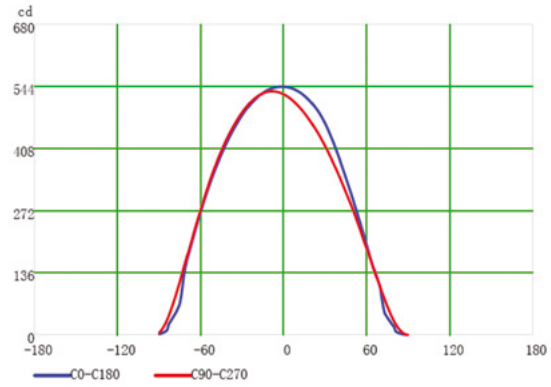
MOD. 800



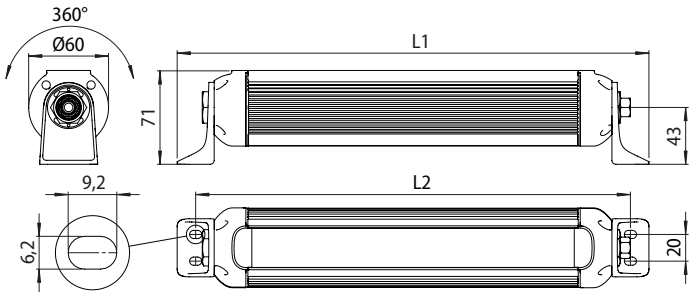
Altezza *Height*	Area	LUX max. / med.	
1 m	3x3 m	542	152
2 m	6x6 m	135	38
3 m	9x9 m	60	17
4 m	12x12 m	34	9
5 m	15x15 m	22	6

CURVE FOTOMETRICHE - *Photometric data* **MOD. 800**





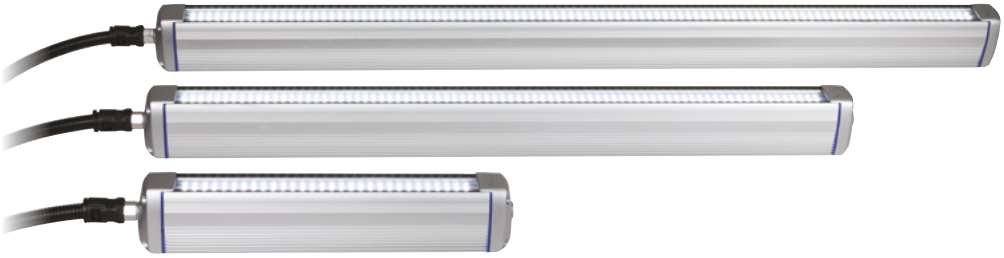
DIMENSIONI [mm] - *Dimensions [mm]*

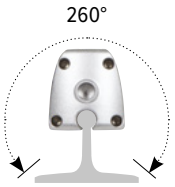


MODELLI *Models*	**L1**	**L2**
DTS-LED LINE EASY FIX 300	357	329
DTS-LED LINE EASY FIX 600	701	672
DTS-LED LINE EASY FIX 800	897	869

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DTS-LED LINE





IP65
IP67

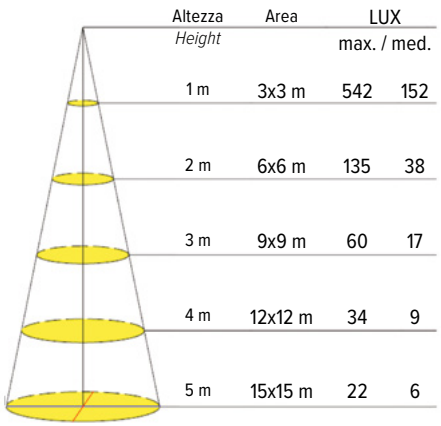
CE

RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED LINE 300	3470100300	7 W	24 VDC	665 lm	120°	300 x 53 x 50 mm	560 g
DTS-LED LINE 600	3470100600	18 W		1498 lm		635 x 53 x 50 mm	1070 g
DTS-LED LINE 800	3470100800	20 W		1997 lm		835 x 53 x 50 mm	1215 g

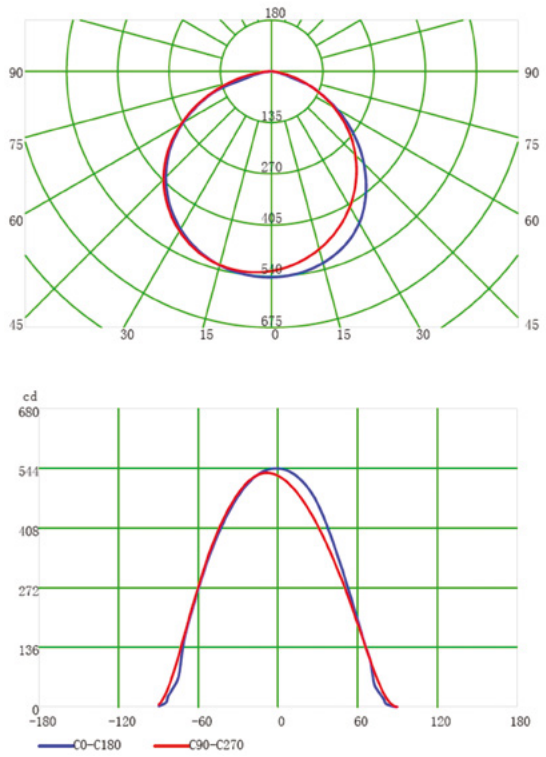
Grado di protezione - *Protection level*	IP65 / IP67
Efficienza luminosa - *Luminous efficiency*	90-100 lm/W
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	80Ra
Modalità di montaggio - *Mounting method*	Staffa - *Clamp*
Lunghezza cavo - *Cable length*	2 m

MOD. 800

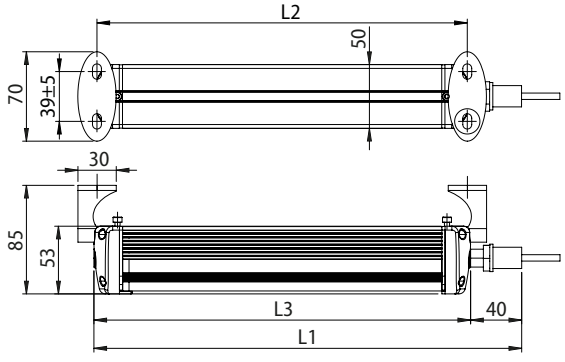


Altezza *Height*	Area	LUX max. / med.	
1 m	3x3 m	542	152
2 m	6x6 m	135	38
3 m	9x9 m	60	17
4 m	12x12 m	34	9
5 m	15x15 m	22	6

CURVE FOTOMETRICHE - *Photometric data* **MOD. 800**



DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**L1** [mm]	**L2** [mm]	**L3** [mm]
DTS LED LINE 300	335	290 ~ 30	295
DTS LED LINE 600	675	630 ~ 30	635
DTS LED LINE 800	875	830 ~ 30	835

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Lampade lineari in metallo per ambienti gravosi
Metal linear lamps for harsh environments

DTS-LED QMFLN

Costruzione in alluminio e vetro temprato IP67/IP69K.
Resistente ad acqua, vibrazioni ed oli industriali.
Lunghezza 400/600 mm.
Orientabile 120°.

Body in aluminum and tempered glass IP67/IP69K.
Water, vibration and oil resistant.
Length 400/600 mm.
Adjustable 120°.



IP67
IP69K

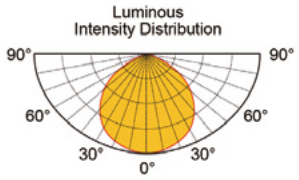
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*	**Peso** *Weight*
DTS LED - QMFLN 300	3479000630	12.5 W	24 VDC	851 lm	120°	310 x 51 x 67.4 mm	800 g
DTS LED - QMFLN 600	3479000660	25 W		1719 lm		620 x 51 x 67.4 mm	1490 g

La serie DTS-LED QMFLN ha un robusto corpo di alluminio ed è protetta da un vetro temprato raggiungendo un grado di protezione IP67/IP69K. È particolarmente indicata nell'illuminazione di macchinari, illuminazione di celle frigorifere, industria alimentare, industria farmaceutica, ecc. Il collegamento avviene con cavo di 1m. La staffa fornita a corredo permette un'ampia regolazione del fascio luminoso.

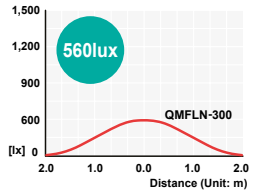
DTS-LED QMFLN is made by strong aluminum material and it is protected by a tempered glass offering the IP67/IP69K degree of protection. It is then suitable to machinery lighting in various manufacturing sectors, from machine tools to pharmaceuticals, from packaging to food industries. The device comes with a 1m wiring for a easy and fast connection to the existing power network. Thanks to the included stainless steel bracket the light can be oriented as needed.

Grado di protezione - *Protection level*	IP67/69K
Temperatura operativa *Operating temperature*	-30°C... +60°C
Durata - *Lifespan*	50000 h
CCT	5500-6000 K
CRI	≥80Ra
Connessione - *Connection*	Cavo - *Cable* 1m Opzionale - *Option* M12 4pin
Modalità di montaggio *Mounting method*	Staffa regolabile *Adjustable bracket*

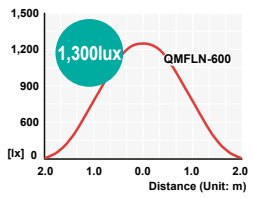
Distribuzione della intensità luminosa
Luminous intensity distribution



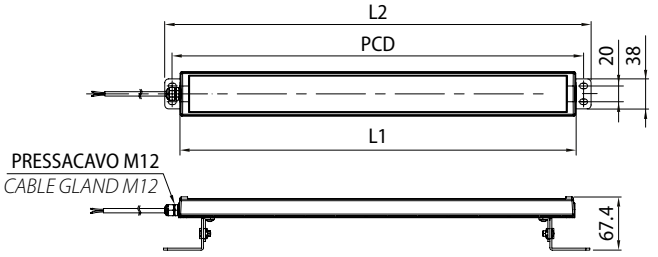
Illuminamento - *Illumination*
QMFLN 300



Illuminamento - *Illumination*
QMFLN 600

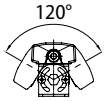


DIMENSIONI [mm] - *Dimensions [mm]*



Linea elettrica esterna - Dura & Flex-FVU(0.5sq) x 2C 450mm
External power line - Dura & Flex-FVU(0.5sq) x 2C 450mm





LATERALE
SIDE VIEW

MODELLI *Models*	**L1 (mm)**	**PCD**	**L3 (mm)**
DTS LED QMFLN 300	290	310	330
DTS LED QMFLN 600	600	620	640

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KES STRIP TN

Alimentazione 230 VAC.
Corpo in Policarbonato.
Connessione esterna rapida.
Lunghezze 615, 1175 e 1455 mm.
CRI > 80.
Disponibile su richiesta modulo interno di emergenza 3h.
IP66.

Input voltage 230 VAC.
Body in polycarbonate.
Quick external connection.
Lengths 615, 1175 e 1455 mm.
CRI > 80.
3h internal emergency module available on request.
IP66.





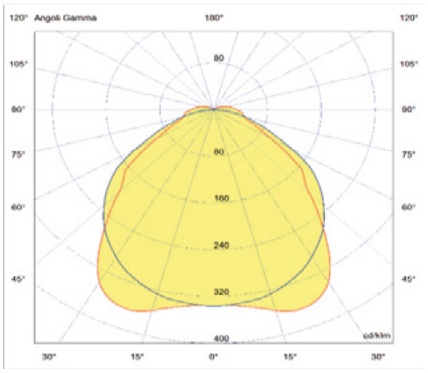
MODELLI *Models*	**Codice** *Code*	**Corrente assorbita** *Current*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
KES STRIP 60 TN-14N	8T00024113	0,06 ±5%	14 W	220-230V~ 50/60Hz	2070 lm	120°	615 x 84 x 98 mm	0,9 Kg
KES STRIP 120 TN-27N	8T00024116	0,12 ±5%	27 W		4090 lm		1175 x 84 x 98 mm	1,7 Kg
KES STRIP 120 TN-38N	8T00024117	0,16 ±5%	38 W		5880 lm		1175 x 84 x 98 mm	1,7 Kg
KES STRIP 150 TN-45N	8T00024122	0,19 ±5%	45 W		7280 lm		1455 x 84 x 98 mm	2 Kg

La serie Kes Strip TN ha un corpo ed un diffusore in policarbonato. Garantisce un elevato illuminamento privo di imperfezioni e con un indice colorimetrico superiore a 80. La staffa in acciaio fornita a corredo permette una semplice installazione.

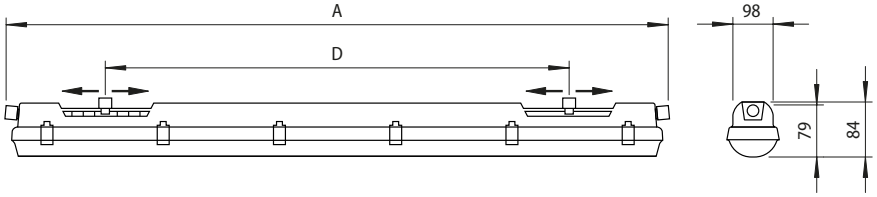
KES STRIP TN series body and diffusor are made by Polycarbonate. It guarantees high illumination levels with a CRI ≥ 80. The included steel bracket allows simple installation.

Grado di protezione *Protection level*	IP66
Efficienza luminosa *Luminous efficiency*	>150 lm/W
Alimentazione - *Input voltage*	230VAC
Fattore di potenza - *Power factor*	> 0,95
Temperatura operativa *Operating temperature*	-25°C... +40°C
Durata - *Lifespan*	> 50000 h
CCT	4000 K
CRI	≥80
Connessione - *Connection*	Connessione esterna rapida *Quick external connection*
Modalità di montaggio *Mounting method*	Staffa - *Bracket* 

CURVE FOTOMETRICHE - *Photometric data*



DIMENSIONI [mm] - *Dimensions [mm]*



MODELLI *Models*	**A [mm]**	**D [mm]**
KES STRIP 60 TN	615	110-370
KES STRIP 120 TN	1175	700-960
KES STRIP 150 TN	1455	970-1230

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DTS-LED 145





IP65

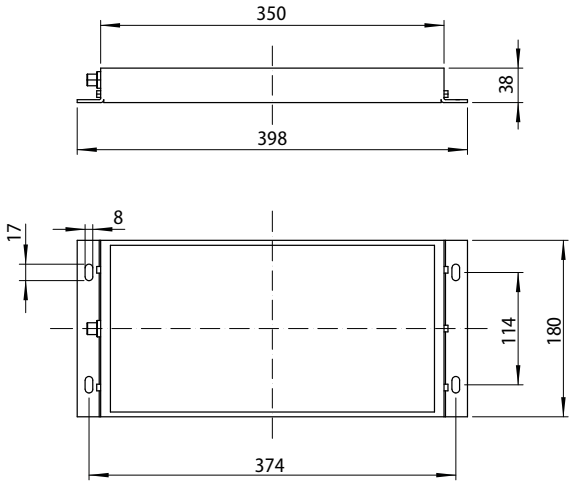
CE

RoHS COMPLIANT

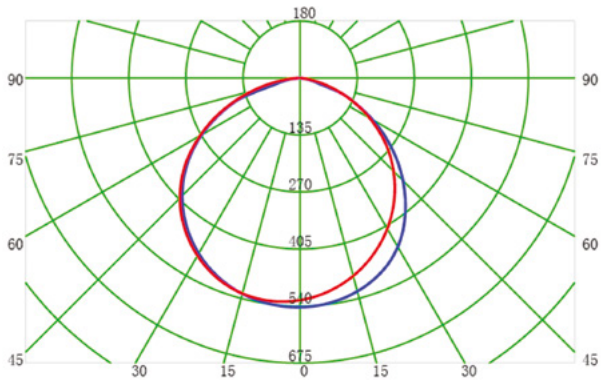
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED 145	3470155044	45 W	24 VDC	5000 lm	120°	398 x 180 x 38 mm	2400 g

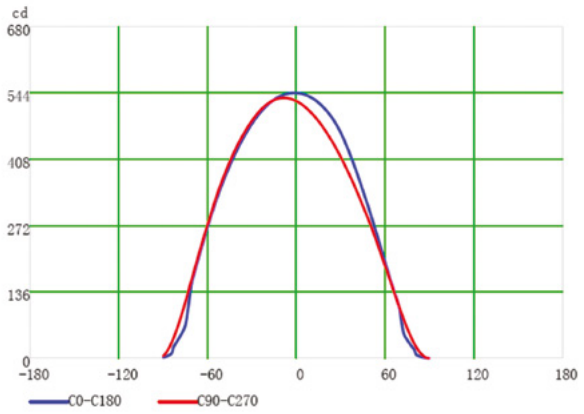
Grado di protezione - *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	>100 lm/W
Alimentatore - *Driver*	No drive
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	4000 K
CRI	K ≥80Ra
Corrente nominale - *Rated current*	2 A
Connessione - *Connection*	M12 4pin
Modalità di montaggio - *Mounting method*	Staffa - *Bracket*

DIMENSIONI [mm] - *Dimensions [mm]*



CURVE FOTOMETRICHE - *Photometric data*





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RADIANT 8S



IP66

CE

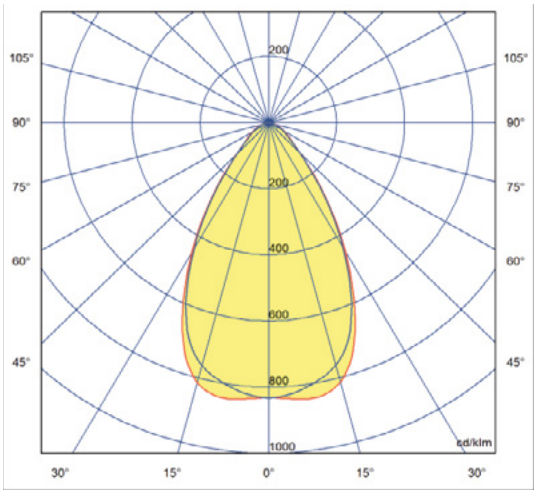
RoHS COMPLIANT

Corpo in acciaio Inox SS316L
Stainless steel body SS316L

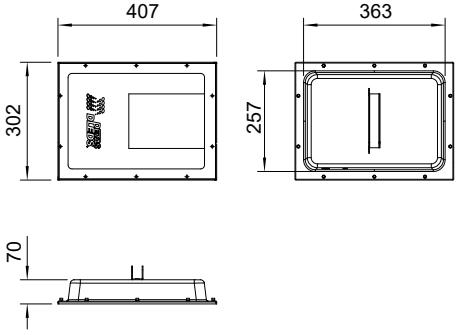
MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
RADIANT 8S - 211S	8000017626	50 W	220-230V~ 50/60Hz	7530 lm	60°	407 x 302 x 70 mm	6 Kg

Grado di protezione *Protection level*	IP66
Efficienza luminosa *Luminous efficiency*	>140 lm/W
Alimentazione - *Input voltage*	220-230V~ 50/60Hz
Fattore di potenza - *Power factor*	> 0,95
Protezione sovratensioni *Surge protection*	10 kV
Temperatura operativa *Operating temperature*	-25°C... +40°C
Durata - *Lifespan*	L90B10 > 100000
CCT	4000 K
CRI	>70
Corrente assorbita - *Current*	0,21 ±5%
Connessione - *Connection*	Cavo lunghezza custom *Wire customized length*
Modalità di montaggio - *Mounting method*	Staffa superiore- *Top bracket*

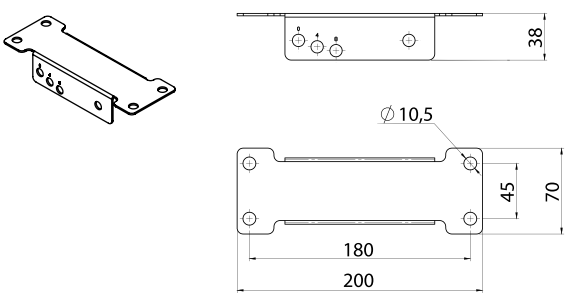
CURVE FOTOMETRICHE - *Photometric data*



DIMENSIONI [mm] - *Dimensions [mm]*

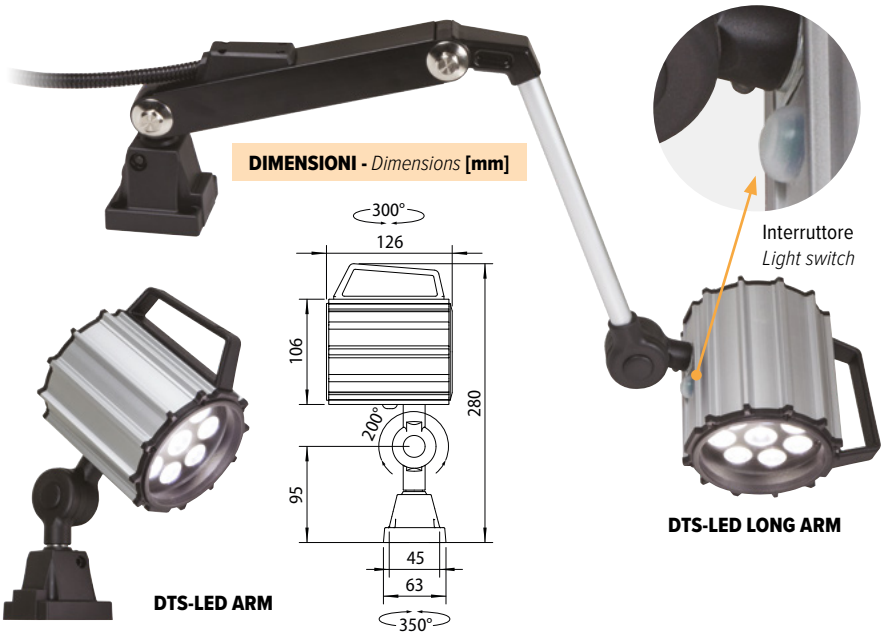


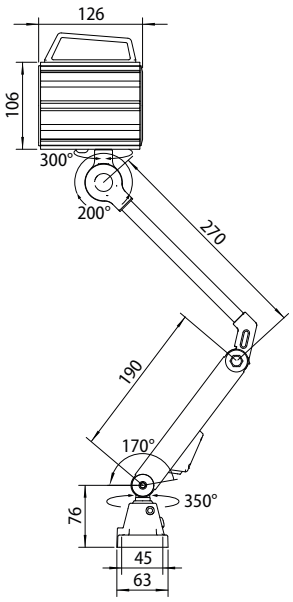
Staffa superiore - *Top bracket*



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DTS-LED ARM / LONG ARM





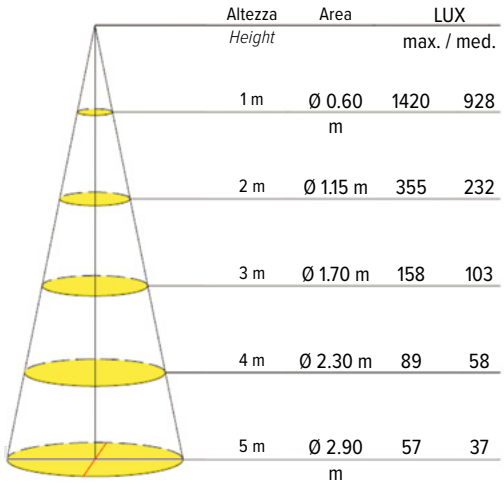
IP65

CE

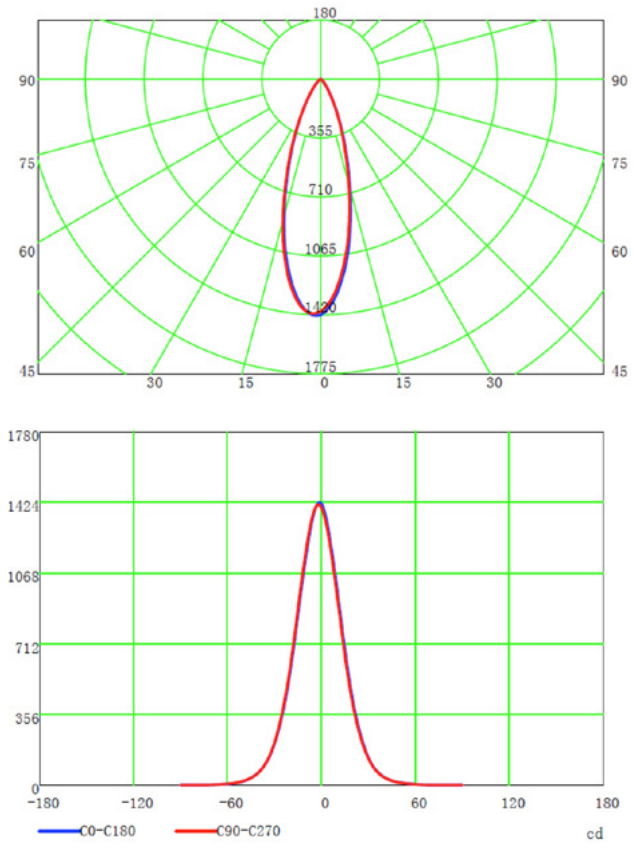
RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Peso** *Weight*
DTS-LED LONG ARM	3470200002	7.5 W	24 VDC	30°	1400 g
DTS-LED LONG ARM	3470223002		230 VAC		1400 g
DTS-LED ARM	3470200001		24 VDC		980 g

Grado di protezione - *Protection level*	IP65
Efficienza luminosa *Luminous efficiency*	70 lm/W
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	5500-6000K
CRI	70Ra
Modalità di montaggio *Mounting method*	Base fissa - *Fixed base*
Interruttore - *Light switch*	Incorporato - *Incorporated*



CURVE FOTOMETRICHE - *Photometric data*

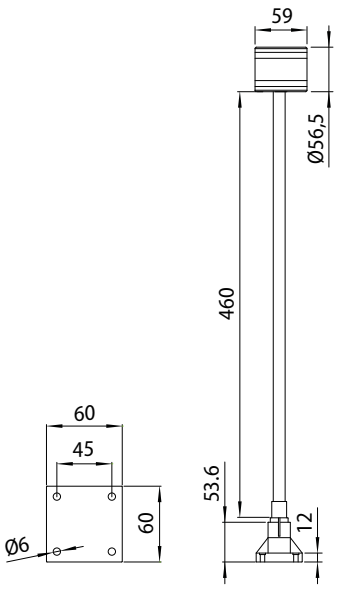


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DTS-LED FLEXY ARM-4



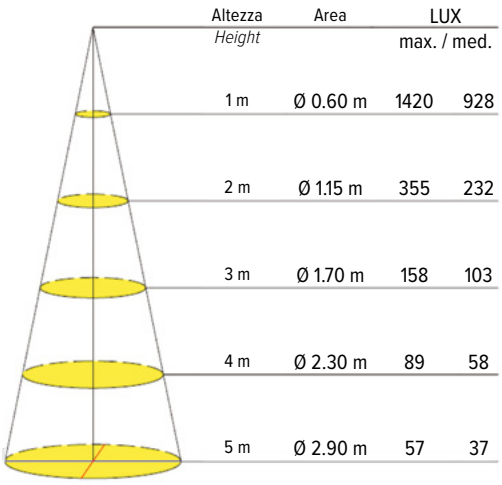
DIMENSIONI [mm] - *Dimensions [mm]*



IP65

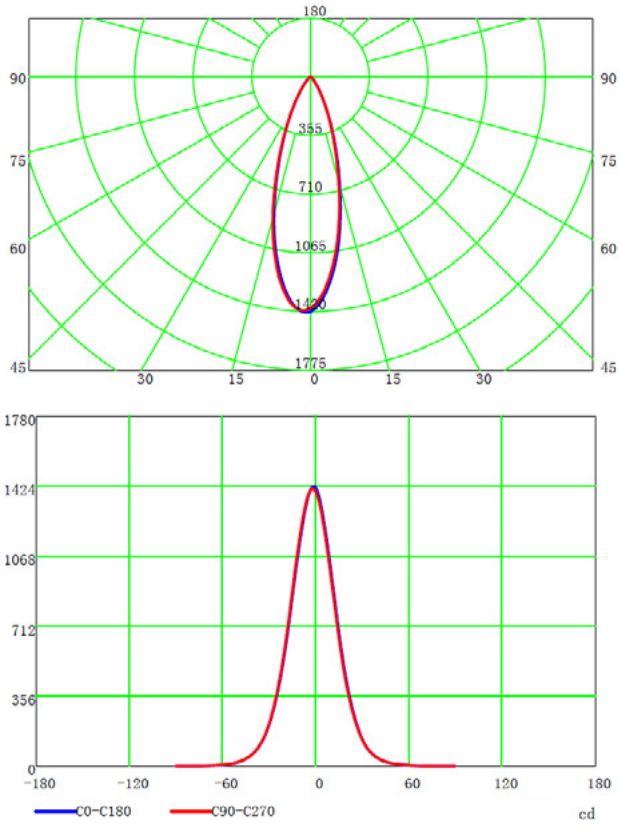
MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Ø Faretto** *Ø Lamp*	**Peso** *Weight*
DTS-LED FLEXY ARM-4	3470200007	5 W	24 VDC stab. ± 3%	30°	Ø 59 mm	850 g

Grado di protezione *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	75 lm/W
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	6000-6500K
CRI	>82Ra
Corpo *Housing*	Lega di alluminio *Aluminum alloy*
Modalità di montaggio *Mounting method*	Base fissa *Fixed base*



Altezza *Height*	Area	LUX max. / med.	
1 m	Ø 0.60 m	1420	928
2 m	Ø 1.15 m	355	232
3 m	Ø 1.70 m	158	103
4 m	Ø 2.30 m	89	58
5 m	Ø 2.90 m	57	37

CURVE FOTOMETRICHE - *Photometric data*



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DTS-LED ARM-4 / DTS-LED SPOT-4

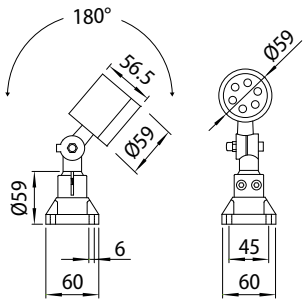
DTS-LED ARM-4





Interruttore - *Light switch*

DIMENSIONI - *Dimensions* **[mm]**





DTS-LED SPOT-4

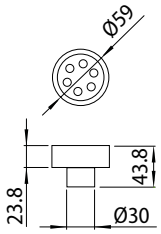
Cavo non incluso, acquistabile a parte
Cable not included, sold separately

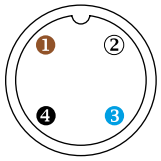


Staffa compresa nella fornitura
Mounting bracket included

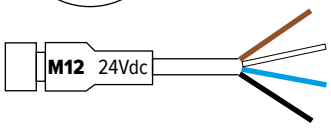
IP65

DIMENSIONI - *Dimensions* **[mm]**



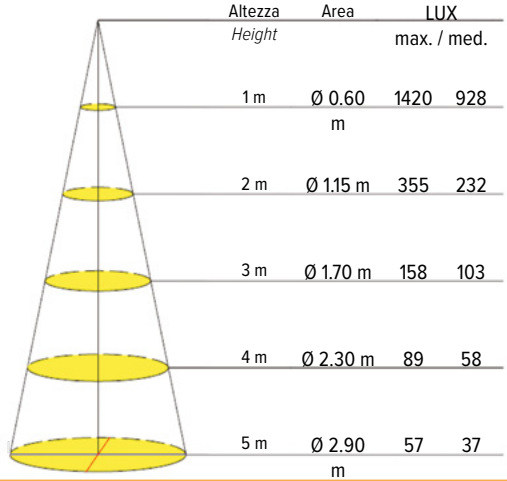


PIN nr.	LED
1	+
3	-

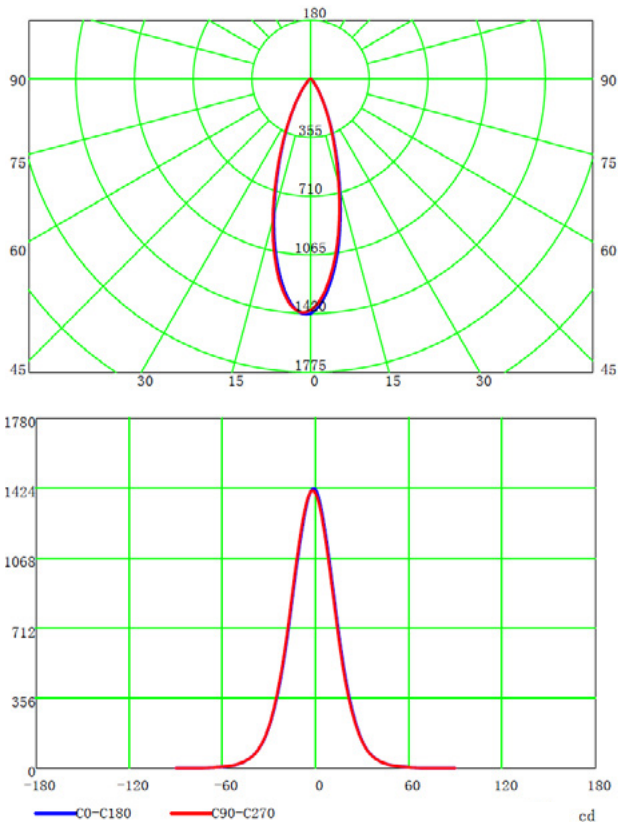


MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Ø Faretto** *Ø Lamp*	**Peso** *Weight*
DTS-LED ARM-4	3470200008	5 W	24 VAC / DC	45°	Ø 59 mm	440 g
DTS-LED SPOT-4	3470200009		24 VDC stab. ± 3%			200 g

Grado di protezione - *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	75 lm/W
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	6000-6500K
CRI	>82Ra
Corpo - *Housing*	Lega di alluminio - *Aluminum alloy*
Modalità di montaggio - *Mounting method*	Base fissa - *Fixed base*
Interruttore - *Light switch*	Incorporato - *Incorporated* (ARM-4)
ingresso alimentazione *Power supply input*	(ARM-4) cavo 2m - *2 mt cable* (SPOT-4) connnettore M12 4 poli maschio - *M12 connector 4 poles male*

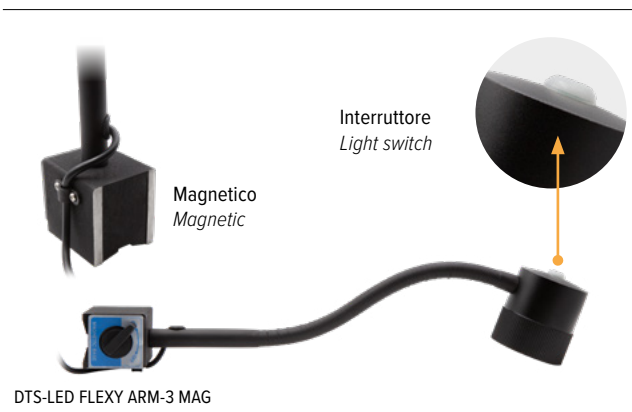


CURVE FOTOMETRICHE - *Photometric data*



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DTS-LED FLEXY ARM-3





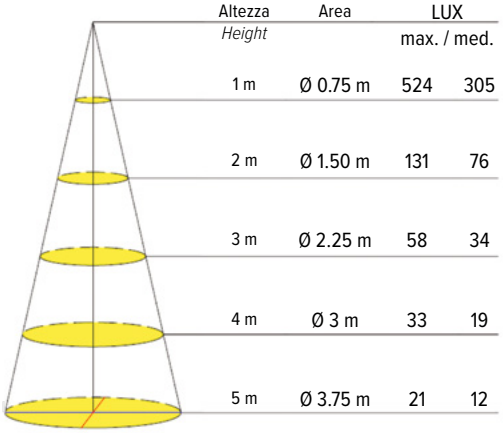
IP65

CE

RoHS COMPLIANT

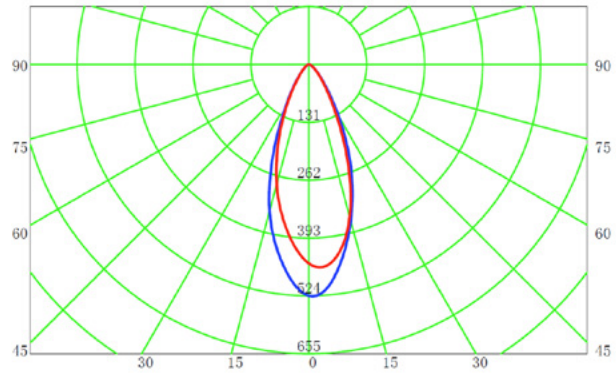
MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Lunghezza cavo** *Cable lenght*	**Peso** *Weight*
DTS-LED FLEXY ARM-3	3470200003	4.5 W	24 VDC	40°	Ø 70 x 674 mm	70 cm	793 g
DTS-LED FLEXY ARM-3 MAG	3470200005				Ø 70 x 475 mm	85 cm	1520 g

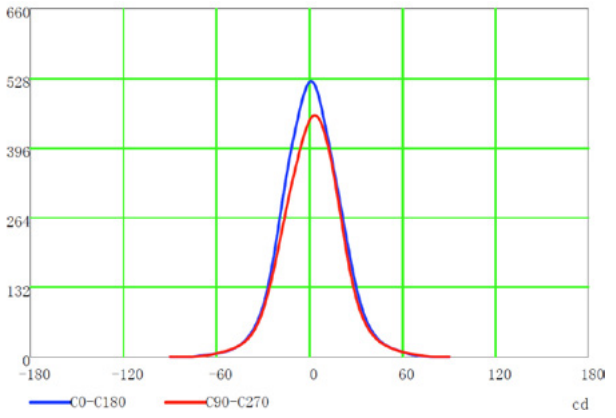
Grado di protezione *Protection level*	ARM-3 ARM-3 MAG	IP65 IP63
Efficienza luminosa - *Luminous efficiency*		72 lm/W
Alimentatore - *Driver*		Isolato - *Isolated*
Temperatura operativa *Operating temperature*		-20°C... +40°C
Durata - *Lifespan*		50000 h
CCT		5500-6000K
CRI		70Ra
Modalità di montaggio *Mounting method*	ARM-3 ARM-3 MAG	Base fissa - *Fixed base* B. magnetica - *Magnetic base*
Interruttore - *Light switch*		Incorporato - *Incorporated*



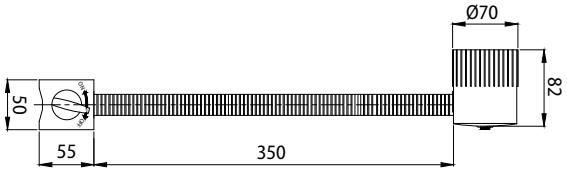
Altezza *Height*	Area	LUX max. / med.	
1 m	Ø 0.75 m	524	305
2 m	Ø 1.50 m	131	76
3 m	Ø 2.25 m	58	34
4 m	Ø 3 m	33	19
5 m	Ø 3.75 m	21	12

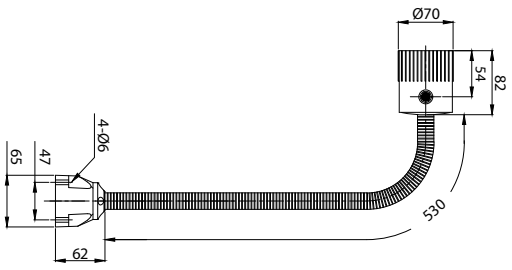
CURVE FOTOMETRICHE - *Photometric data*





DIMENSIONI [mm] - *Dimensions [mm]*





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DTS-LED FLEXY ARM SPOT



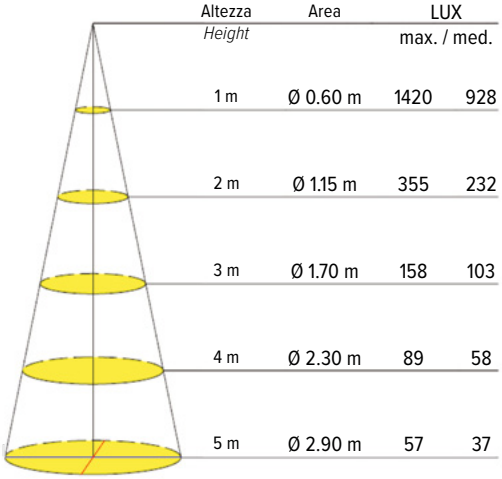
IP65

CE

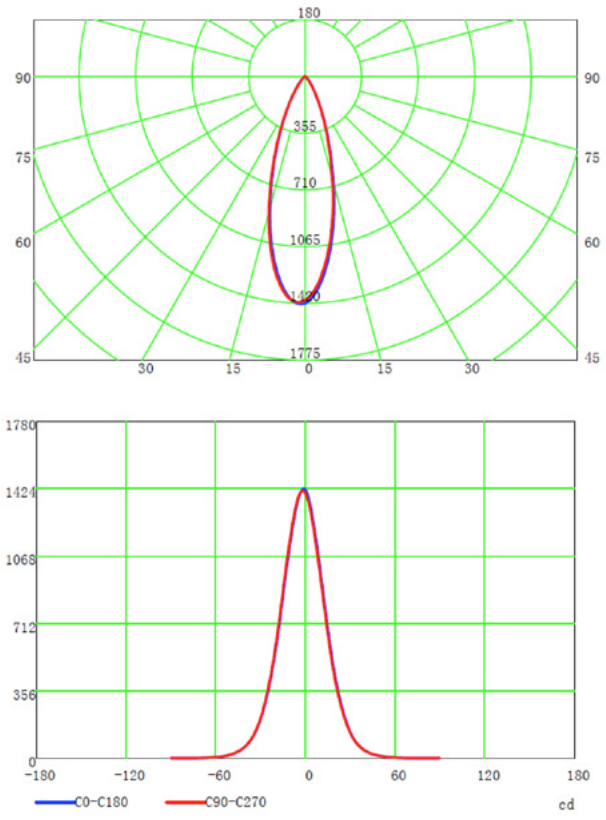
RoHS COMPLIANT

MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED FLEXY ARM SPOT	3470200004	2.5 W	24 VDC	30°	Ø 28.6 x 659 mm	530 g

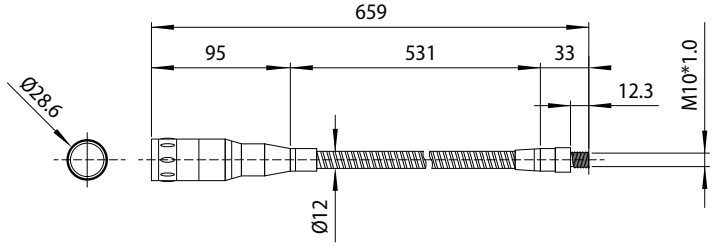
Grado di protezione - *Protection level*	IP65
Efficienza luminosa - *Luminous efficiency*	40 lm/W
Alimentatore - *Driver*	Isolato - *Isolated*
Temperatura operativa *Operating temperature*	-20°C... +40°C
Durata - *Lifespan*	50000 h
CCT	5500-6000K
CRI	≥70Ra
Modalità di montaggio - *Mounting method*	Fisso con vite *Fixed with screw*



CURVE FOTOMETRICHE - *Photometric data*



DIMENSIONI [mm] - *Dimensions [mm]*



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DTS-LED POINT

DTS-LED POINT 6



DTS-LED POINT 12



DTS-LED POINT 18



DTS-LED POINT 24

IP68



Progettato per l'utilizzo in condizioni ambientali critiche.

Le alette di dissipazione assicurano un rapido smaltimento del calore prolungando così la durata dei LED.

Ampio intervallo di tensioni di alimentazione accettate.

Luce bianca (6500 - 7500 K).

LED alimentati singolarmente: la rottura di uno di essi non compromette il funzionamento del corpo luminoso.

Protezione: IP67.

Corpo in alluminio pressofuso.

Staffa in acciaio inox.

Ottica in policarbonato.

Temperatura operativa: -20°C... +60°C.

Durata minima LED: 50.000 ore (Ta=25°C). Non adatti in presenza di olii refrigeranti o lubrificanti.

Designed to be used in extreme environments.

The dissipation fins ensure fast heat transfer increasing LED lifespan.

Wide input voltage range accepted.

White light (6500K).

Led powered singularly: one single failure doesn't compromise functionality of the lighting body.

IP67 protection.

Die-cast aluminum body.

Stainless steel bracket.

Polycarbonate lens.

Operating temperature: -20°C... +60°C.

Minimal LED lifespan: 50.000 hrs (Ta=25°C).

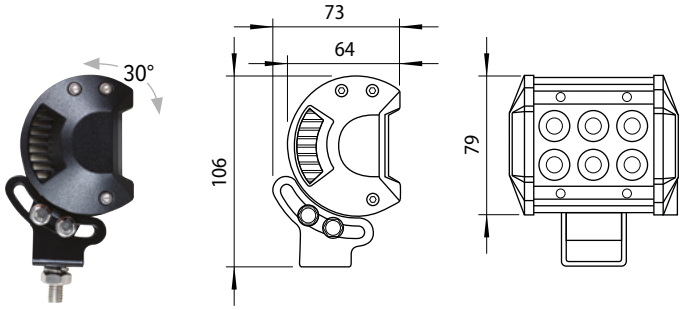
Not suitable when chill oils or lubricants are present.

IP67
IP68

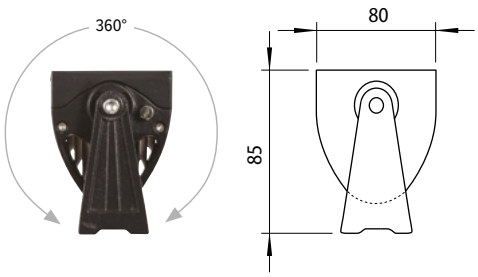
CE

RoHS COMPLIANT

DIMENSIONI [mm] - *Dimensions [mm]*



Lunghezza cavo
Cable length = **2 m**



MODELLI *Models*	**Codice** *Code*	**Potenza@12V** *Power @12V*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*
DTS-LED POINT 6	3470600001	12 W	12÷30 VDC	1093 lm	25°	96 x 79 x 64 mm
DTS-LED POINT 12	3470600002	26 W		2062 lm		164 x 79 x 64 mm
DTS-LED POINT 18	3470600003	38 W		3071 lm		232 x 79 x 64 mm
DTS-LED POINT 24	3470600004	72 W		3649 lm	10°	355 x 80 x 85 mm

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DTS-LED QMHL

Lampade LED resistenti all'acqua, agli olii e alle vibrazioni, adatte per applicazioni su macchine utensili e ambienti con liquidi ad alta temperatura.

Illuminazione ad alta intensità e più focalizzata grazie all'ottica.

Per ambienti dove è richiesta un'illuminazione, a lunga distanza, intensa e lineare.

Ottima resistenza agli olii grazie ad una speciale struttura di tenuta con grado di protezione IP67, adatto per applicazioni su macchine utensili con fluidi da taglio.

Adatto per ambienti con liquidi ad alta pressione e alta temperatura (IP69K).

Vetro temprato previene i danni da trucioli di macchine utensili.

Le sostanze estranee non si accumulano sulla superficie del vetro di schermatura grazie alla sua struttura a filo della cornice.

Water, vibration and oil resistant LED work light, suitable for machine tools applications and high temperature water cleaning environments.

For areas requiring long-distance, intense and uniform lighting.

Excellent oil resistance with a special sealing structure with IP67 protection rating, suitable for machine tool applications with cutting fluids.

Suitable for high pressure and high temperature water cleaning environments (IP69K).

Tempered glass prevents damage from machine tool chips.

Harmful substances do not accumulate on the shielding glass surface of the working light thanks to its flush structure and to the housing structure of the product.



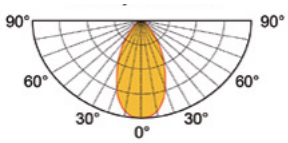
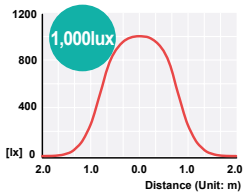
IP67

IP69K

CE

RoHS COMPLIANT

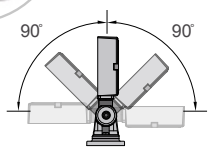
MODELLI *Models*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED QMHL-150-MF	34791HF150	12 W	24 VDC	60°	155 x 105 x 36 mm	1.45 kg

Caratteristiche - *Features*	**DTS-LED QMHL-150**
Distribuzione della intensità luminosa *Luminous intensity distribution*	
Illuminamento *Illumination*	
Ottica - *Lens color*	Trasparente - *Transparent*
Temperatura colore *Color temperature*	6000-7000 K
Flusso luminoso *Luminous flux*	884 lm
Illuminamento *Illumination* (at 1m)	1000 lux
Intervallo di tensione *Voltage range*	21.5-26.5 VDC
Corrente - *Current*	0.510 A
Resistenza di isolamento *Insulantion resistance*	Min. 100 MΩ (500 VDC mega ohm meter)
Tensione di tenuta *Withstanding voltage*	500 VAC, 60 Hz, 1 min.
Temperatura operativa *Operating temperature*	-30°C... +60°C
Grado di isolamento *Waterproof*	IP67 / IP69K
Materiale - *Materials*	Ottica: vetro temprato - Corpo e staffa: alluminio - *Lens: tempered glass - Housing and bracket: aluminum*

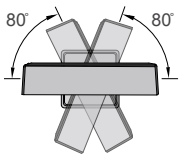
STAFFA MF - *MF bracket*



Le staffe MF proteggono i cavi di uscita dall'acqua e dagli agenti aggressivi.
Water and oil resistant MF type brackets protect output cable from cutting fluid and chips.

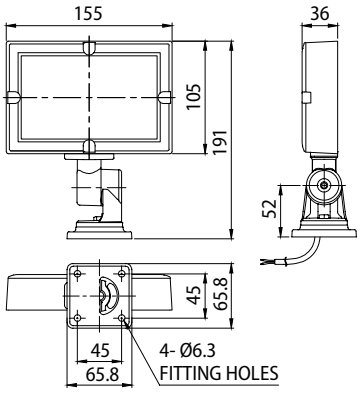


Rotazione - Vista di lato
Tilt adjustment - Side view



Rotazione - Vista dall'alto
Pan adjustment - Top view

DIMENSIONI [mm] - *Dimensions [mm]*



Cavo in dotazione - *Standard wiring*:
Dura&Flex - F VU(0.5sqx2C) 450 mm
Lunghezza cavo - *Cable length*: 3 m

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LED da pannello
con resistenza integrata
Panel LEDs with integrated resistors

DTS-LED PANEL

Questi LED sono incapsulati in una custodia cilindrica pronti per l'allacciamento a faston.

Una resistenza è inclusa nel contenitore pertanto il dispositivo è pronto per funzionare alla tensione prescelta.

Sono disponibili molte versioni, con colori rosso, verde, giallo, bicolore, ecc.

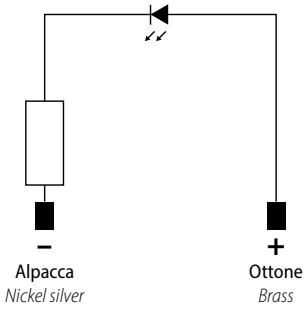
These LED are encapsulated in a cylindrical body ready for the faston connection.

A resistor is included therefore the device is ready to work to the chosen voltage.

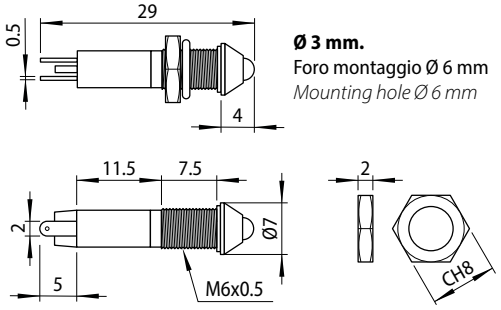
Many versions are available: red, green, yellow, bicolored, etc.



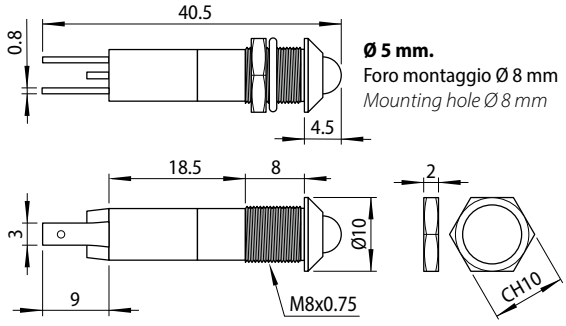
SCHEMA ELETTRICO - *Electrical schematic*



DIMENSIONI [mm] - *Dimensions [mm]*



Ø 3 mm.
Foro montaggio Ø 6 mm
Mounting hole Ø 6 mm



Ø 5 mm.
Foro montaggio Ø 8 mm
Mounting hole Ø 8 mm

Ø	Codice *Code*	Tensione d'ingresso *Input voltage*	Assorbimento *Current*	Colore *Colour*	Conf. *Set*
3 mm	3450775241	24 V DC/AC	15 mA	●	10 pezzi *pieces*
	3450775242	24 V DC/AC	15 mA	●	
	3450775243	24 V DC/AC	15 mA	●	
5 mm	3450700240	24 V DC	20 mA	● ●	
	3450700244	24 V DC	20 mA	● ●	
	3450700249	24 V DC	20 mA	● ●	
	345070024B	24 V DC	20 mA	●	
	3450705241	24 V DC/AC	15 mA	●	
	3450705242	24 V DC/AC	15 mA	●	
	3450705243	24 V DC/AC	6 mA	●	
	3450701151	110 V AC	6 mA	●	
	3450701152	110 V AC	8 mA	●	
	3450702301	230 V AC	3 mA	●	
	3450702302	230 V AC	3 mA	●	
	3450702303	230 V AC	3 mA	●	
	345070024W	24 V DC	15 mA	○	

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Dedicated to electronic devices for industrial automation machinery and systems.

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Il nuovo sito è stato pensato per aiutarti a trovare con facilità e rapidità le nostre soluzioni.
Abbiamo creato una piattaforma semplice da usare, con contenuti chiari e pagine ben ordinate.
La navigazione ti accompagna in modo efficace durante la consultazione e, grazie ai filtri di selezione, ti supporta nella scelta delle soluzioni più idonee al tuo progetto, ovunque tu sia: in ufficio o in mobilità.

Le principali novità introdotte

- Interfaccia più chiara e leggibile, anche da smartphone e tablet.
- Filtri tecnici per affinare la ricerca per caratteristiche: taglia, IP, tensione, ecc...
- Schede prodotto complete, con: schede tecniche, dimensionali e file CAD.
- Sezione "Novità" sempre aggiornata con gli ultimi prodotti a catalogo.
- Organizzazione dei contenuti per categorie funzionali: Alimentatori, Filtri EMC,
  Sistemi di Connessione, Dispositivi Luminosi.

The new website has been designed to help you find our solutions quickly and easily.
We have created a user-friendly platform, with clear content and well-organized pages. The navigation effectively guides you through your browsing experience and, thanks to the selection filters, supports you in choosing the solutions best suited to your project, wherever you are: in the office or on the go.

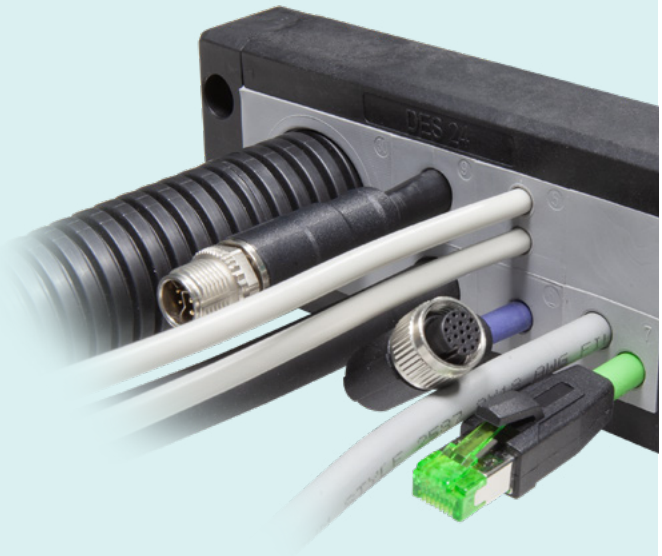
The main new features introduced

- *A clearer and more readable interface, also optimized for smartphones and tablets.*
- *Technical filters to refine your search by features: size, IP rating, voltage, etc.*
- *Complete product pages, including: technical data sheets, dimensional drawings, and CAD files.*
- *A constantly updated "News" section featuring the latest products in the catalog.*
- *Content organized by functional categories: Power Supplies, EMC Filters, Connection Systems, Indicator Devices.*

DETASGROUP **Altri marchi del gruppo -** *Other brands of the group*

DETASULTRA

Sistemi passacavo
Cable Entry systems



RED ITALIA

Sistemi e componenti per l'elettrotecnica e l'elettronica di potenza
Systems and components for electrical engineering and power electronics



HAAKE®

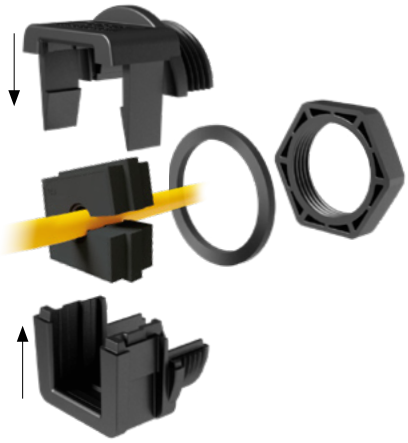
Barre, tappeti, bumper e interblocchi di sicurezza a chiave codificata
Edges, mats, bumpers and safety interlocks



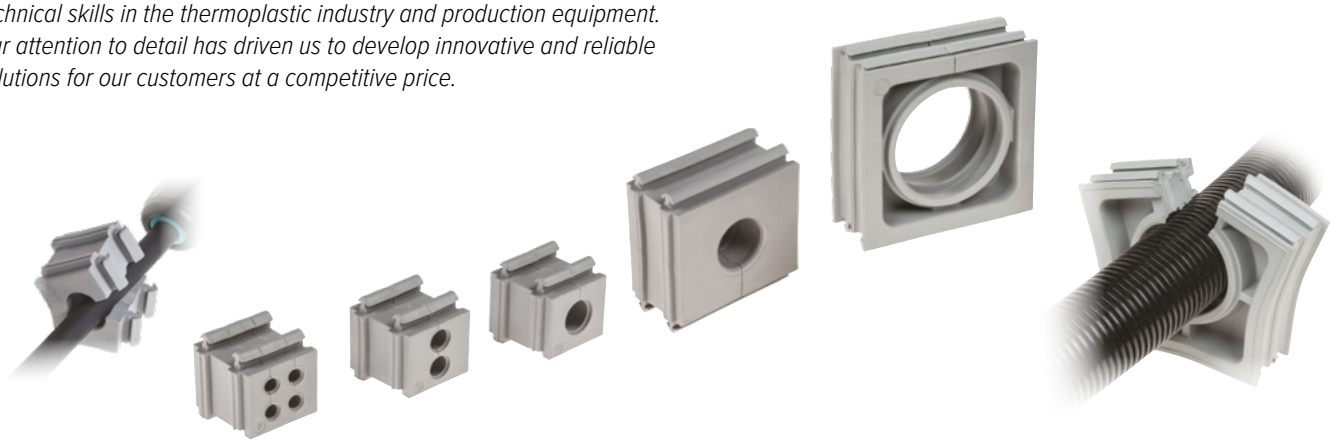
DETASULTRA



Detas SpA presenta la divisione **DetasUltra** nata nel 2019 dopo una lunghissima esperienza nella tecnica di gestione dei cavi nei quadri elettrici ed in generale nelle apparecchiature elettriche ed elettroniche.
Nasce così la soluzione **DES (Detas Entry System)**, studiata per semplificare l'utilizzo dei cavi, in particolare di quelli già intestati, nei quadri elettrici e nelle apparecchiature elettriche migliorando le prestazioni di riferimento (tenuta all'acqua, tenuta antistrappo, ecc.) e soprattutto minimizzando il numero dei modelli per abbattere i costi.
DES è stato progettato, sviluppato e brevettato completamente in Italia grazie alle competenze tecniche nazionali relative ai prodotti termoplastici e alle attrezzature di produzione.
L'attenzione per i dettagli costruttivi e la scelta della filiera produttiva sono stati fondamentali per poter offrire alla nostra clientela una nuova opportunità di impiego di queste famiglie di prodotti orientata alla massima affidabilità, personalizzazione e al migliore prezzo sul mercato.



***Detas SpA** presents the **DetasUltra** division, established in 2019 after many years experience in cable management for electrical cabinets and equipment.*
*The **DES (Detas Entry System)** solution is designed to simplify the use of cables in electrical equipment, improving watertightness, strain relief and EMC, whilst minimising costs.*
DES has been designed, developed and patented in Italy, thanks to our technical skills in the thermoplastic industry and production equipment.
Our attention to detail has driven us to develop innovative and reliable solutions for our customers at a competitive price.



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NEW!

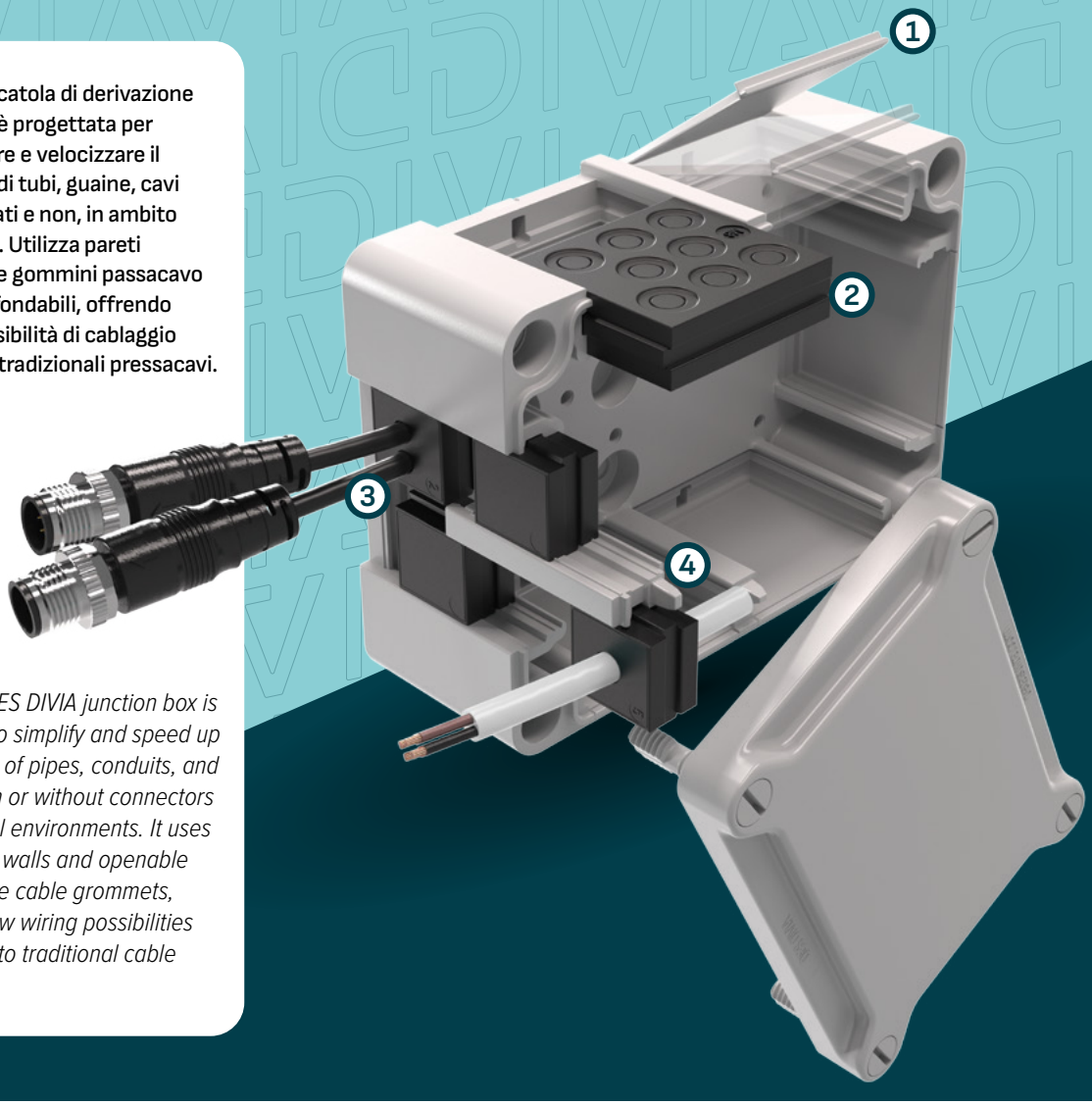
GRUPPO 1 - *GROUP 1*

DES DIVIA

PATENT PENDING

DESIGNED FOR CONNECTORIZED CABLES AND MORE

La nuova scatola di derivazione DES DIVIA è progettata per semplificare e velocizzare il passaggio di tubi, guaine, cavi connettorati e non, in ambito industriale. Utilizza pareti removibili e gommini passacavo apribili o sfondabili, offrendo nuove possibilità di cablaggio rispetto ai tradizionali pressacavi.



The new DES DIVIA junction box is designed to simplify and speed up the routing of pipes, conduits, and cables with or without connectors in industrial environments. It uses removable walls and openable or piercable cable grommets, offering new wiring possibilities compared to traditional cable glands.

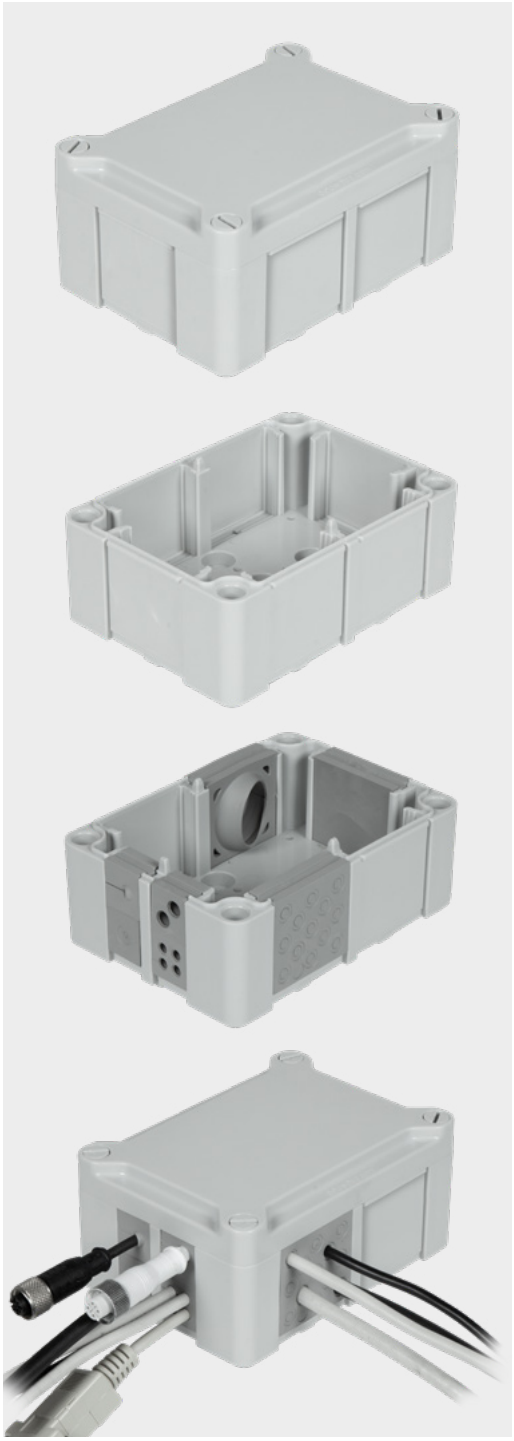
DES DIVIA permette di rimuovere le pareti **(1)** in base alle esigenze di cablaggio. Nell'apertura è possibile inserire un gommino SPL **(2)** per cavi fino a 31 mm di diametro o quattro gommini SPC **(3)** per cavi fino a 15 mm di diametro, grazie ai separatori inclusi **(4)**.

*DES DIVIA allows to remove the walls **(1)** depending on the wiring requirements. In each opening, it is possibile to insert one SPL **(2)** grommet for cables up to 31 mm diameter, or 4 SPC **(3)** grommets for cables up to 15 mm diameter, thanks to the included grommets separators **(4)**.*

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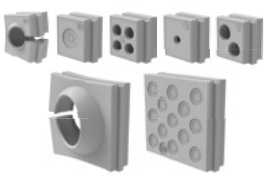
NEW!

GRUPPO 1 - *GROUP 1*



CONFIGURABILE CON TUTTA LA GAMMA DI GOMMINI SPC E SPL

IT CAN BE SET UP WITH THE COMPLETE RANGE OF SPC AND SPL GROMMETS



FACILITÀ D'INSTALLAZIONE E MANUTENZIONE
EASY INSTALLATION AND MAINTENANCE

RIDUZIONE DEI TEMPI

Montaggio veloce anche su cablaggi esistenti, nessuna foratura manuale, minori passaggi di montaggio grazie alle pareti apribili e alla predisposizione per i gommini.

TIME SAVING

Quick installation even on existing wiring, no manual drilling, less assembly steps thanks to the removable walls and the predisposition for cable grommets.

CONFIGURAZIONE FLESSIBILE
FLEXIBLE CONFIGURATION

RIDUZIONE COMPONENTI A MAGAZZINO

Bastano la scatola e pochi gommini intercambiabili per coprire una vasta gamma di applicazioni grazie ad un'estrema configurabilità dell'ingresso cavi.

REDUCTION OF STOCK COMPONENTS

A single box combined with interchangeable grommets covers a wide range of applications thanks to the highly configurable cable entry system.

ALTA DENSITÀ DI CABLAGGIO
HIGHER WIRING DENSITY

RIDUZIONE DEGLI INGOMBRI

Possibilità di alloggiare un numero elevato di cavi in uno spazio ridotto grazie all'uso di gommini multiforo.

SPACE SAVING

It accommodates a large number of cables in a small space thanks to multi-hole grommets.

PIÙ POSSIBILITÀ DI CABLAGGIO
MORE WIRING OPTIONS

UTILIZZO DI CAVI PRECABLATI E NON

Grazie ai gommini apribili, è possibile usare cavi già connettorati, mentre i gommini a sfondamento permettono un rapido passaggio di cavi a fili liberi.

FOR HEADED AND UNHEADED CABLES

Openable grommets enable routing of pre-terminated cables, while pierceable grommets allow fast installation of cables without connectors.

SCOPRI TUTTI I VANTAGGI
RICHIEDI IL TUO DEMO KIT

DISCOVER ALL THE ADVANTAGES
REQUEST YOUR DEMO KIT

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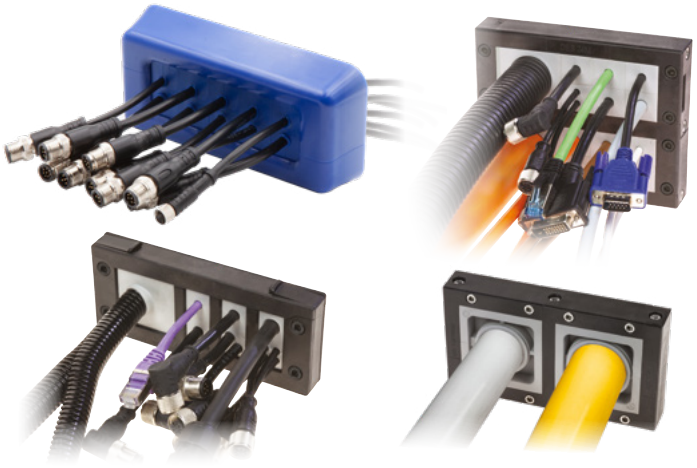
Telai divisibili per cavi con e senza connettori
Entry system for cables with and without connectors

GRUPPO 1 - *GROUP 1*

Serie DES - *DES series*

Il telai divisibili DES permettono il passaggio di cavi intestati con sezioni da 2 a 34mm grazie ai vari supporti passacavo disponibili. La chiusura laterale del telaio permette la tenuta antistrappo e la protezione all'acqua.

The DES cable entry system consists of a splittable frame designed to accommodate small (SPP), multiple (X) or large (SPG) inserts for cables in the same frame. Future cable size changes can be easily accommodated. Thanks to the robust construction, the DES is a long lasting product.

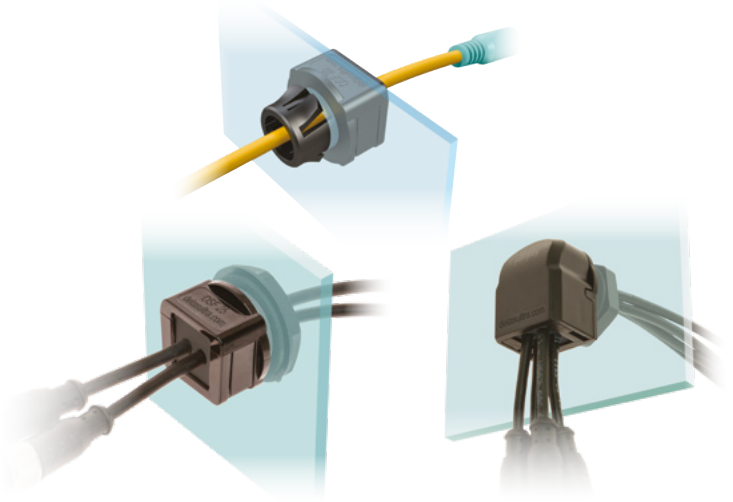


c UL us · ECOLAB · IP66 · UL94-V0 · NEMA 12, 4X · UV ISO 4892-2A · UL TYPE 12, 4X · RoHS COMPLIANT · HL3 EN 45545-2 · IK10 · APPROVED MARINE TYPE · Ex

Serie OSF - pressacavi divisibili
OSF series - splittable cable glands

OSF sono dei pressacavi divisibili per filettature metriche particolarmente indicati per l'utilizzo con cavi con connettori.
OSF può essere equipaggiato con supporti passacavo piccoli e multipli per cavi da 2 a 14 mm di diametro.

OSF are splittable cables glands for metric sizes especially designed for cables with connectors. The compact size and nice design are just a few of the countless advantages of the OSF Family. OSF can be equipped with SPC grommets with single or multiple holes for both black and grey UL94V0 colors.

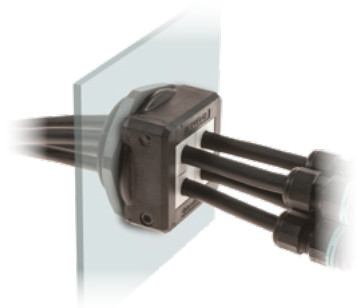


c UL us pending · UL94-V0 · IP54 · UV ISO 4892-2A · NEMA 12 · RoHS COMPLIANT · HL3 EN 45545-2 · IK10

DESPRED & DESCLICK

Le serie DESPRED & DESCLICK permettono di attraversare pareti di armadi e quadri elettrici con cavi intestati sino a max 34mm di diametro. Con lo stesso telaio è possibile inoltre selezionare dei supporti multipli per aumentare il numero dei cavi da utilizzare.

The DESPRED & DESCLICK series are splittable cable glands for metric threads. With multiple inserts it is possible to accommodate up to 16 cables. Future cable size changes can also be easily accommodated using various inserts.



c UL us · ECOLAB · NEMA 12, 4X · UV ISO 4892-2A · HL3 EN 45545-2 · IK10 · IP66 · UL94-V0 · UL TYPE 12, 4X · RoHS COMPLIANT · APPROVED MARINE TYPE · Ex



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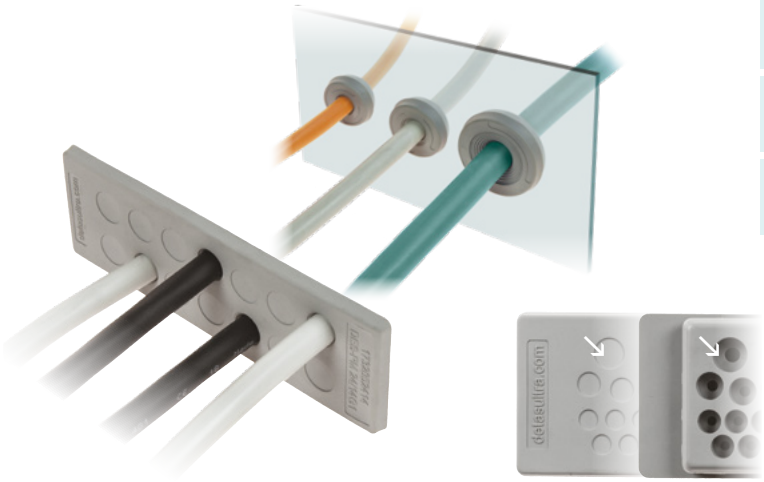
Telai divisibili per cavi senza connettori
Entry system for cables without connectors

GRUPPO 2 - *GROUP 2*

DES-PM
Passacavi a doppia membrana
Cable plates with double membrane

I passacavi DES-PM sono un'alternativa economica ed affidabile ai normali pressacavi industriali. Dopo aver forato leggermente la membrana frontale, il cavo delle dimensioni richieste viene spinto attraverso la parete dove la seconda membrana permette una maggior tenuta meccanica e fluidica.

The DES-PM are an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid resistance.

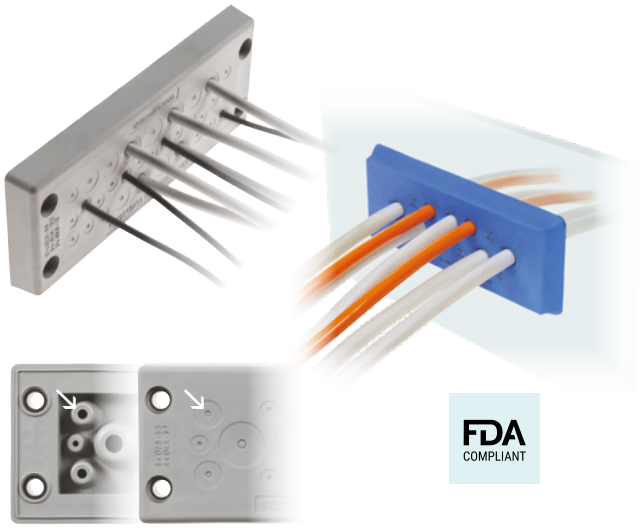


UL94-V0 · cULus · UV ISO 4892-2A · IP65 · RoHS COMPLIANT · NEMA 12 · UL TYPE 12 · APPROVED MARINE TYPE · ECOLAB

DES-PDM
Passacavi con telaio a doppia membrana
Cable plates with double membrane

I passacavi DES-PDM sono un'alternativa economica ed affidabile ai normali pressacavi industriali.
Dopo aver forato leggermente la membrana frontale, il cavo delle dimensioni richieste viene spinto attraverso la parete dove la seconda membrana permette una maggior tenuta meccanica e fluidica.

The DES-PDM are an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid resistance.

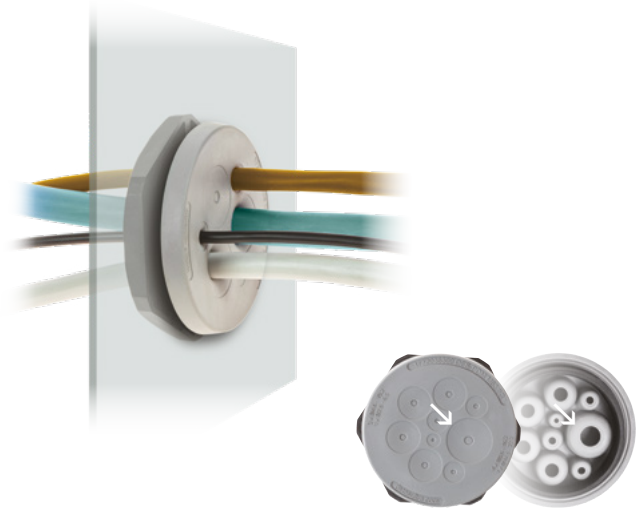


UV ISO 4892-2A · cULus · RoHS COMPLIANT · IP66 · NEMA 12, 4X · APPROVED MARINE TYPE · ECOLAB · UL94-V0 · FDA COMPLIANT

DES-PDM M
Passacavi con telaio a doppia membrana
Cable plates with double membrane

I passacavi DES-PDM M utilizzano le aperture dei fori metrici e sono un'alternativa economica ed affidabile ai normali pressacavi industriali. Dopo aver forato leggermente la membrana frontale, il cavo delle dimensioni richieste viene spinto attraverso la parete dove la seconda membrana permette una maggior tenuta meccanica e fluidica.

The round metric DES-PDM M is an innovative alternative to standard cable glands on electrical, electronic and telecommunication cabinets and equipment. The cable is pushed through the front membrane, whilst the second membrane increases the strain relief and liquid tightness.



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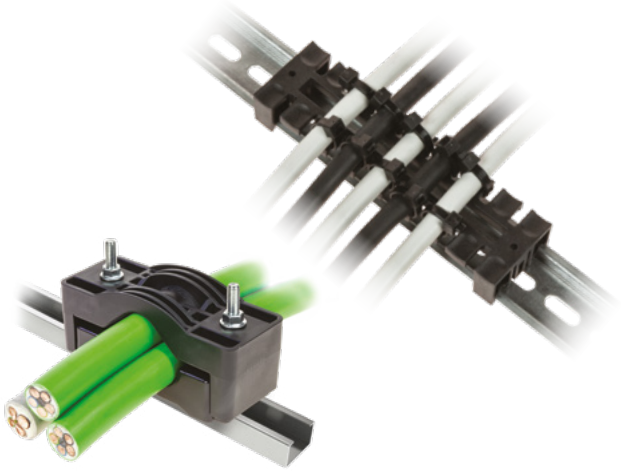
GRUPPO 3/4/5 - *GROUP 3/4/5*

Fissacavi e antistrappo - *Strain relief modules*

APD - montaggio su guida DIN/Omega
DIN and Omega rails
AP - fissaggio a vite - *Screw fixing*
AP-PD - doppio passo - *Double comb*

I pettini fissacavo antistrappo della serie APD si utilizzano nei quadri elettrici ed in generale nelle apparecchiature elettriche per tenere in ordine i cavi ed al tempo stesso ottenere nella posizione indicata la funzione antistrappo in accordo alla CEI EN 62444. Il fissaggio dei cavi può avvenire con fascette normali o in velcro. È inoltre possibile installare dei distanziali per applicazioni su due livelli.

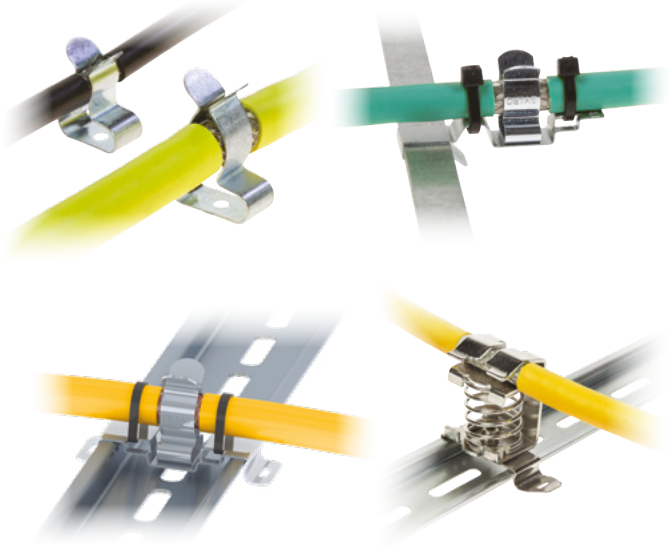
The AP modules are used in electrical switchboards and equipment keeping cables tidy whilst providing strain relief according to EN 62444. The cables can be fixed with standard plastic ties or reusable velcro ties. Spacers are available for multi-tier applications.



Schermatura EMC - *EMC shielding*

I morsetti di schermatura MSS consentono di eseguire facilmente e in modo efficace la messa a terra della schermatura dei cavi. Garantiscono la funzione antistrappo sul cavo mediante il fissaggio con fascetta. I morsetti di schermatura MSS possono essere fissati con viti o con rivetti.

MSS shield clamps enable the cable shield to be grounded easily and effectively. They secure the anti-tear function on the cable by fixing it with a tie. MSS shield clamps can be fixed with screws or rivets.



MSS - morsetti di schermatura - *Shield clamps*
MSD - morsetti per guida DIN/Omega
Shield clamps for DIN and Omega rails
MSB - morsetti per barra 10x3 mm
Shield clamps for 10x3 mm bar
MSA - MSE - morsetti per fissaggio a vite
Shield clamps with screw fixing
MSF - morsetti di schermatura a molla - *Spring shield clamps*
CTX - calze per connessione di terra - *Earthing straps*

Guaine - *Conduits*

FL - guaine corrugate divisibili - *Splittable corrugated conduits*

Le guaine corrugate divisibili FL sono adatte al passaggio di cavi intestati. Il doppio tubo offre una protezione elevata per tutta la lunghezza del cavo e le rende ottimali all'utilizzo in condizioni estreme. Si possono fissare facilmente mediante clip.

FL splittable corrugated conduits are suitable for the passage of preassembled cables. The double conduit enables a high protection throughout the length of the cable and make them ideal for the use in extreme conditions. Easy fixing with clips.



FW - clip per guaine - *Clips for corrugates conduits*

Le clip FW sono adatte per il fissaggio delle guaine corrugate. Il coperchio, tramite fissaggio a scatto, offre maggiore stabilità alla guaina anche in seguito a sollecitazioni meccaniche.

FW clips are suitable for the fixing of corrugated conduits. The cover, by snap-in fixing, makes the conduit stabler also under mechanical stresses.

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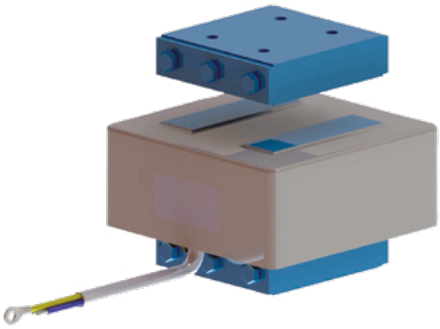
REO ITALIA

CONTROLLER ELETTRONICI, ELETTROMAGNETI ED ACCESSORI

REO, con il marchio REOVIB, si è conquistata un nome nel mercato nazionale ed internazionale grazie alla lunga esperienza nel campo della costruzione di unità di comando e controllo per sistemi di convogliamento a vibrazione ed elettromagneti per tali sistemi. Il nostro obiettivo è rimanere leader del mercato in questo settore con prodotti di elevata qualità.

Che si tratti di convogliatori circolari, convogliatori lineari o caricatori ausiliari, REO offre sempre il prodotto adatto ad ogni applicazione: controller analogici, a microprocessore, a frequenza fissa o variabile, elettromagneti certificati per industria alimentare e farmaceutica, ed accessori di controllo e monitoraggio.

I controller REOVIB sono offerti in versioni da interno quadro IP00 e IP20 o in contenitori IP65 in acciaio inox per l'industria alimentare. Grazie alla produzione propria interna possiamo realizzare soluzioni su misura per ogni applicazione.





Electronics controllers, electromagnets and accessories

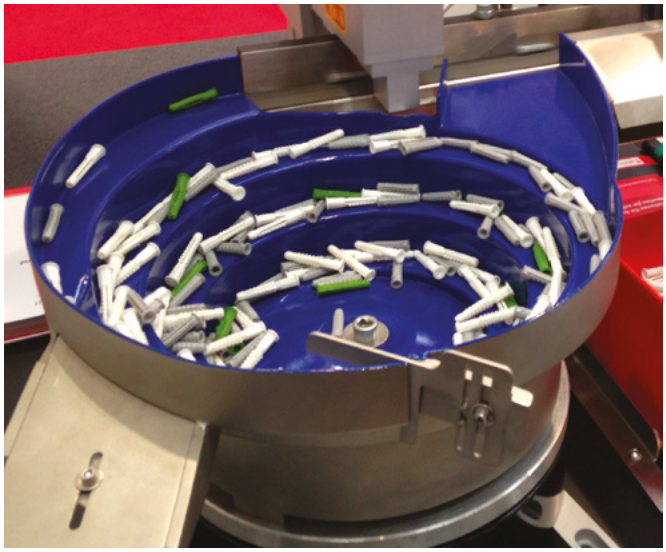
REO is nationally and internationally known thanks to his great experience in manufacturing electronic controllers, electromagnets for vibrating feeders and for material handling industry. Our aim is to maintain the leadership position in this field with high quality products.

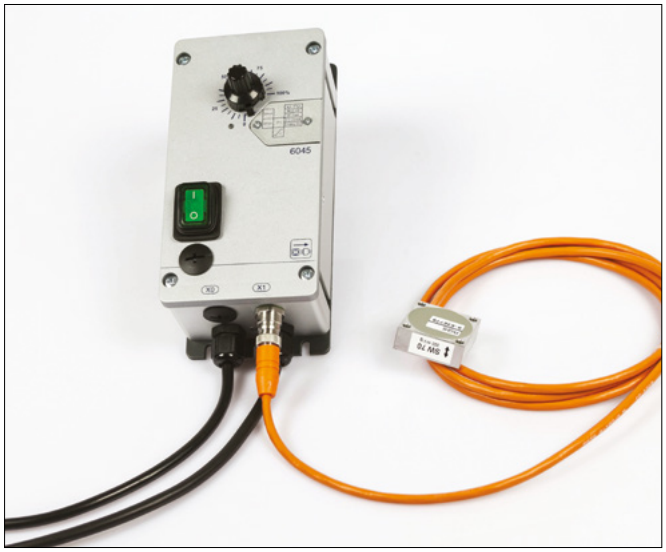
Whether the application is rotatory feeders, linear feeders or material loaders, REO has the best solutions for every problem. We offer microprocessor-based controllers, with variable or fixed frequency, electromagnets with certifications for pharmaceutical and food industry, control and monitoring accessories.

The REOVIB controller are offered in IP00 and IP20 versions or in IP65 cases, made by stainless steel certified for food industry. We made our product in-house, so we can offer solutions tailored on every specific problem.

c UL us

PROFINET | EtherNet/IP
EtherCAT | CAN
PROFIBUS | DeviceNet





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REO ITALIA

FILTRI EMC, INDUTTANZE E RESISTENZE DI FRENATURA

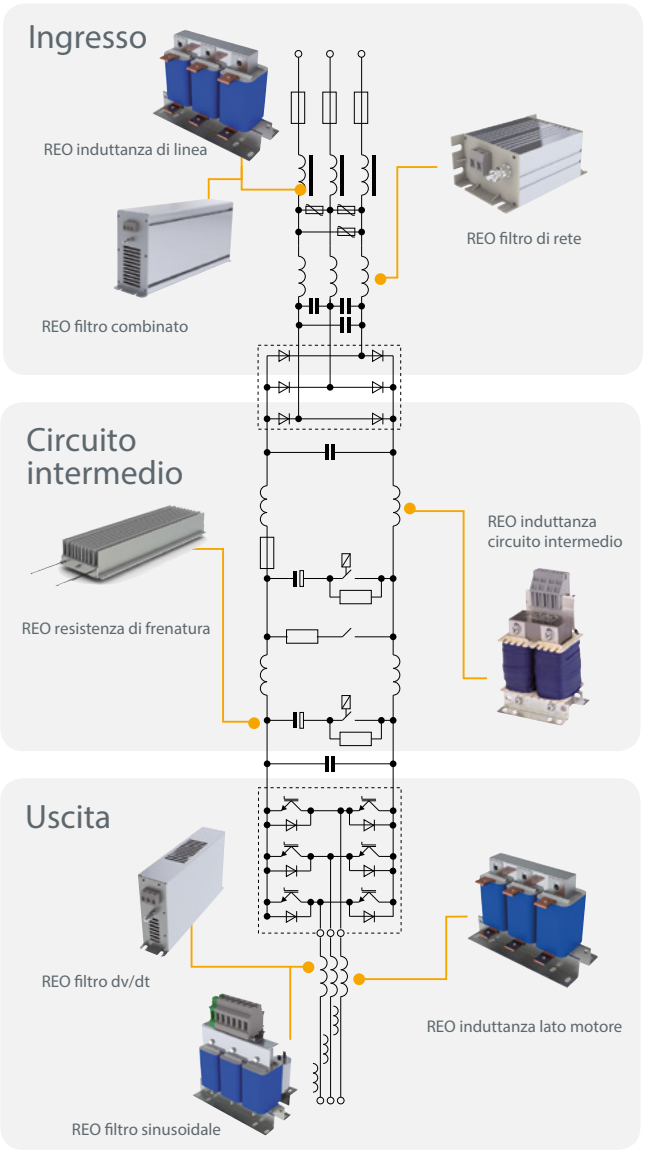
REO fornisce ai propri clienti prodotti per sistemi di azionamento industriali per prolungare la vita dei sistemi e garantire perdite di potenza minime ed un funzionamento sicuro:

- Filtri di rete EMC.
- Resistenze di frenatura.
- Induttanze di linea, induttanze lato motore e induttanze per DC link.
- Filtri dv/dt e filtri sinusoidali.

Grazie all'impiego di questi componenti si ottengono soluzioni a risparmio energetico, aumenta il livello di immunità e diminuisce il livello di emissione, meno calore, meno disturbi dalla rete e nella rete.

Grazie alla lavorazione propria delle bobine con materiali di prima scelta, in un breve periodo REO può progettare e produrre il filtro o la resistenza su misura per una applicazione specifica in stretta collaborazione col cliente.

Per il mercato dell'esportazione sono disponibili filtri e resistenze con certificazione UL.



EMC FILTERS, INDUCTANCES AND BRAKING RESISTOR

REO supplies their clients with products for industrial drive systems that can extend the engine's lifetime and assure minimal power loss and a safe operation:

- *EMC Filters.*
- *Braking resistors.*
- *Line chokes, engine side chokes, chokes for DC link.*
- *Sinusoidal filters and dv/dt filters.*

Using these components allows to save energy and improve the electromagnetic immunity level: less heat and less noise to the network and from the network.

Thanks to windings in-house production using first class materials, in a short time REO can design and manufacture a filter or a resistor specific for the client's application, following his specifications.

UL certifications for exportation market are available.



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REO ITALIA

TRASFORMATORI DI ISOLAMENTO MEDICALI A BASSA CORRENTE DI DISPERSIONE

Quasi nessun campo è così delicato come quello dei sistemi ad uso medico. Sicurezza e salute delle persone hanno qui priorità assoluta.

REO offre trasformatori di isolamento ad uso medicale che soddisfano i requisiti specifici di questi sistemi garantendo rispetto per le norme relative.

Per noi sono caratteristiche del tutto normali:

- Minima corrente di dispersione.
- Risparmio energetico grazie a perdite di potenza proprie molto contenute.
- Elevata resistenza di isolamento con valori ≥4 kV.

I trasformatori REO rendono sicuri i sistemi elettrici per quanto riguarda la protezione di utilizzatori e pazienti. Evitano inoltre attivamente il rischio dovuto al contatto diretto con le apparecchiature ad uso medico (ad es. ECG, EEG, TAC ecc.).



MEDICAL ISOLATION TRANSFORMERS WITH VERY LOW LEAKAGE CURRENT

The electromedical is probably the most delicate electronics field: safety and health are imperative priorities.

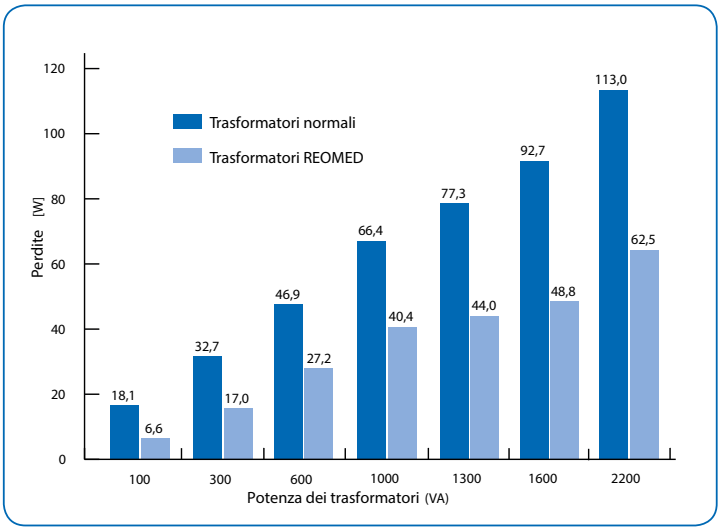
REO offers isolation transformers that satisfy requirements of this field according to the law and the medical standards.

Usual characteristics for REOMED products are:

- *Minimal leakage current.*
- *Power saving thanks to very low power loss.*
- *High isolation resistance.*

REO medical isolation transformers make the electric systems safe for users and patients. They actively avoid electrical risk due to direct contact with medical machines (ECG, EEG, CT scanner, etc.).







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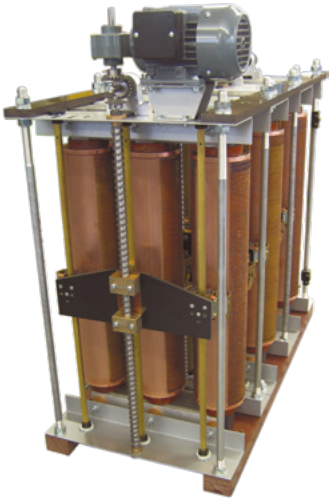
REO ITALIA

REO, oltre a soluzioni specifiche per sistemi vibranti, motori, inverter ed ambienti medicali, offre una variegata gamma di prodotti elettronici ed induttivi, come:

- Trasformatori fissi, variabili, a colonna, toroidali, con azionamento motorizzato, con ampi tagli di potenza e personalizzazioni.
- Trasformatori di corrente per la misura di grandezze in ambiti ferroviari, industriali o per le energie rinnovabili.
- La gamma REOLAB presenta una serie di prodotti adatti per sistemi di prova di potenza che sfruttano trasformatori a rapporto variabile.
- L'ambito ferroviario è servito da una serie specifica di prodotti REO appositamente certificati: trasformatori, resistenze, induttanze, filtri, trasformatori di corrente. REO offre prodotti certificati per applicazioni ferroviarie in accordo con le più recenti normative.
- Soluzioni per sistemi di potenza REOTRON: regolatori di potenza, a parzializzazione di fase con regolazione fine della potenza erogata, stabilizzazione del segnale di uscita e retroazione per mantenere la precisione di regolazione.

Not only solutions for vibrating feeders, electric drives systems and electromedical services, REO offers also a wide electronics and inductive product range, which includes:

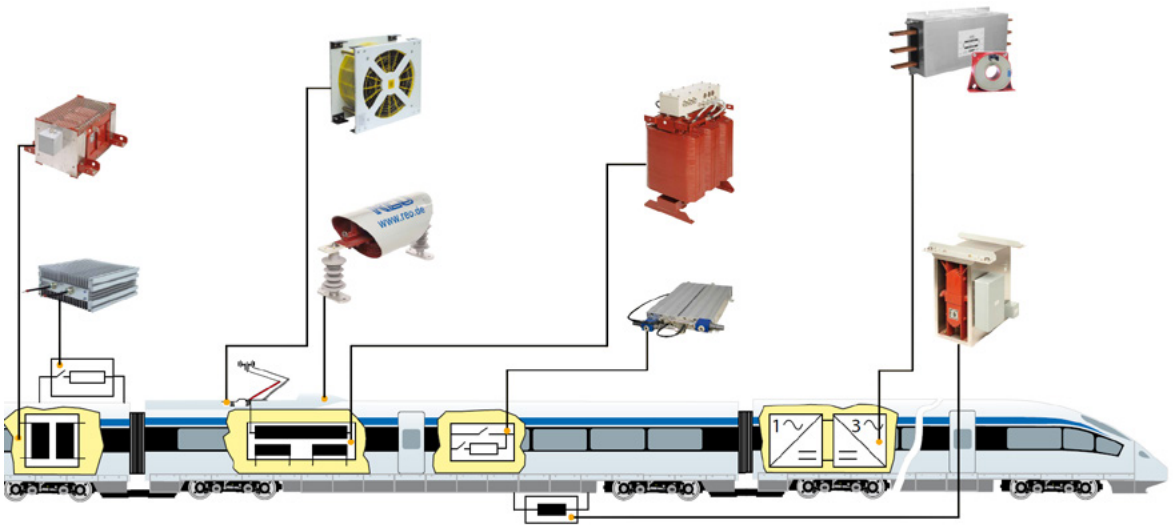
- *Fixed and variable transformers, toroidal or column transformers, with different power specifications and product customization.*
- *Current transformers for current measurement for railways, industry and renewable energy.*
- *The REOLAB range offers products for power test systems using variable transformers.*
- *The railway field is served by a specific product range: transformers, resistances, inductances, filters, current transformers. REO offers railway-certified products in accordance with the most recent norms and laws.*
- *REOTRON solutions for power systems: phase angle mode power regulator with fine power tuning, output signal stabilization and feedback system for maintaining regulation precision.*











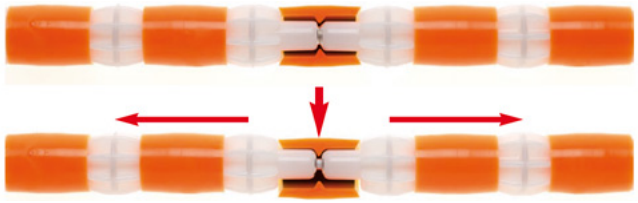
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HAAKE

Barre di sicurezza HSC

HSC® - Coste sensibili di sicurezza con contatti meccanici ad apertura obbligata (Catena Contatti Haake)

- Non è necessaria una centralina di controllo dedicata.
- Collegamento diretto al modulo di sicurezza esistente.
- Catena contatti azionata da ogni direzione.
- Fornitura di bordi sensibili di sicurezza pronti all'uso secondo le specifiche del cliente.
- Modelli adatti per ogni applicazione:
  - Interno/asciutto.
  - Interno/presenza di agenti aggressivi.
  - Esterni/bagnato.
- Approvato BG.



Safety edges HSC

HSC® - Safety Edge with mechanically opening contacts (Haake Contact Chain®)

- *No additional control unit required.*
- *Wired directly to existing e-stop relay unit.*
- *Operated from any direction.*
- *Supply of ready-to-use safety edges according to customer's specification.*
- *Various versions depending on application:*
  - *Indoors/dry.*
  - *Indoors/aggressive media.*
  - *Outdoors/wet.*
- *BG approved.*



Tappeti sensibili HSM

HSM® - Tappeto sensibile di sicurezza con contatti meccanici ad apertura obbligata

- Non è necessaria una centralina di controllo dedicata.
- Collegamento diretto al modulo di sicurezza esistente.
- Adatto per utilizzi in ambienti gravosi.
- Materiali scelti in base all'applicazione.
- Dimensioni e forme su specifica del cliente.
- Fornitura di tappeti di sicurezza pronti all'uso comprensivi di profilo perimetrale in alluminio.
- Approvato BG.



Safety mats HSM

Safety Mat HSM® with mechanically opening contacts

- *No additional control unit required.*
- *Wired directly to existing e-stop relay unit.*
- *Suitable for harsh environments.*
- *Different surface materials depending on application.*
- *Dimensions to customers' specification.*
- *Supply of ready-to-use safety mats including machined ramp trim.*
- *Bg approved.*



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Bumper HSB

HSB® - Bumper di sicurezza con contatti meccanici ad apertura obbligata

- Non è necessaria una centralina di controllo dedicata.
- Collegamento diretto al modulo di sicurezza esistente.
- Dimensioni, forme e colorazioni in base all'applicazione.
- Resistenti alla maggior parte degli agenti chimici.
- Corsa di commutazione ristretta.
- Catena contatti posizionata in prossimità della superficie.
- Segnale indipendente dalla direzione di azionamento.



HSB® - Safety Bumper with mechanically opening contacts (Haake Contact Chain®)

- *No additional control unit required.*
- *Wired directly to existing e-stop relay unit.*
- *Most various dimensions, shapes, and colours, depending on application.*
- *Resistant against many chemicals.*
- *Short switching travels.*
- *Contact chain immediately behind actuation surface.*
- *Signal independent from direction of actuation.*

Interblocchi di sicurezza HST

HST® - Inteblocchi di sicurezza a chiave intrappolata

Per la sicurezza dell'operatore, macchine e impianti pericolosi, sono molto spesso equipaggiate da barriere (accessi protetti) che utilizzano dispositivi di interblocco con blocco barriera.
La loro funzione è quella di evitare il funzionamento pericoloso della macchina quando la barriera non è chiusa e bloccata, e di mantenere l'accesso bloccato fino a che il rischio di incidente sia terminato. Queste funzioni sono ottenute grazie agli interblocchi meccanici a chiave, anche detti sistemi a trasferimento chiave.
Facciamo notare che utilizzando i nostri sistemi a trasferimento chiavi non è più necessario posare cavi dalle barriere al pannello di comando.



Safety interloks HST

Trapped Key Interlocking HST®

For protecting the operator, dangerous machines and systems are very often equipped with guards (protective doors) including interlocking devices with guard locking.
Their job is to prevent dangerous machine functions, when the guard is not closed and locked, and to keep the door locked, until the risk of injury has passed. These functions are carried out by key-operated, mechanical interlocking devices, also called key transfer systems.
Please note: when using our key transfer system, cables need not be laid to/from the guards as otherwise usual.

Interblocchi per valvole HSV

HSV® - Interblocchi per valvole

Le valvole rivestono un ruolo centrale in molte linee di produzione industriale e reti energetiche. Svolgono una funzione importante per la sicurezza e il controllo di processo. Pertanto il corretto impiego delle valvole è vitale per il buon funzionamento dell'impianto nel suo insieme.
I sistemi di interblocco per valvola assicurano l'apertura e la chiusura delle stesse in modo controllato. Sono utilizzati nei casi in cui siano necessarie particolari sequenze di apertura e chiusura delle valvole per prevenire incidenti, per salvaguardare i materiali o la sicurezza dei processi.

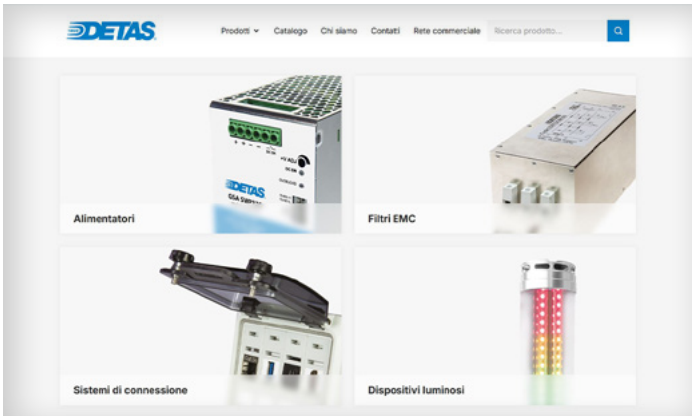


Valve Interlocks HSV

Valve Interlocks HSV®

Valves play a central role in many industrial production lines and power networks. The valves carry out important functions for safety and process control. Correct adjustment and operation of valves is vital for the proper functional performance of complete plants.
Valve interlocking systems assure the controlled opening and closing of valves. They are used, when certain sequences are required for opening and closing several valves, in order to prevent accidents, protect materials, or assure the safety of processes.

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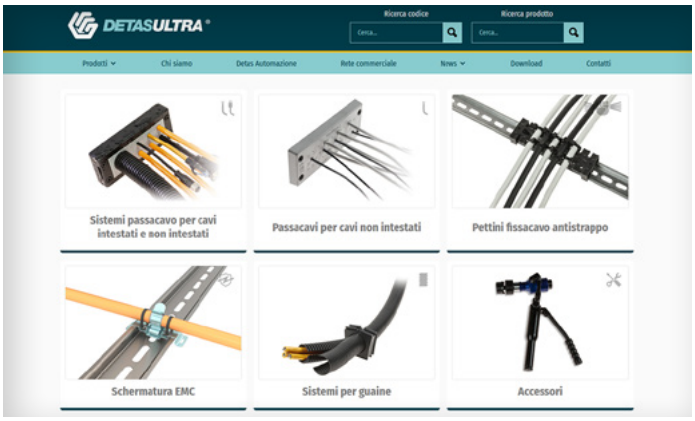


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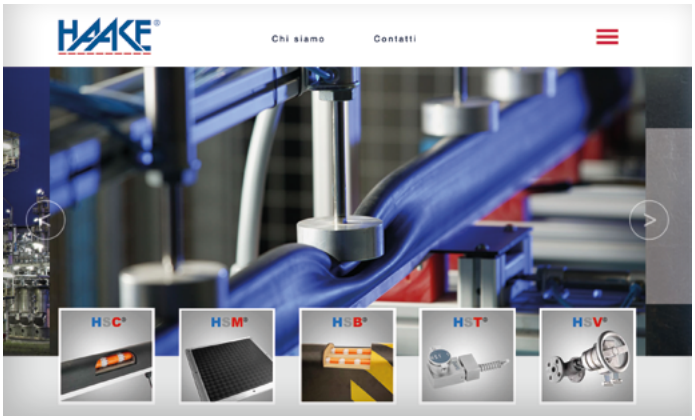


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Sistemi e componenti per l'elettrotecnica e l'elettronica di potenza.

Systems and components for electrical engineering and power electronics.



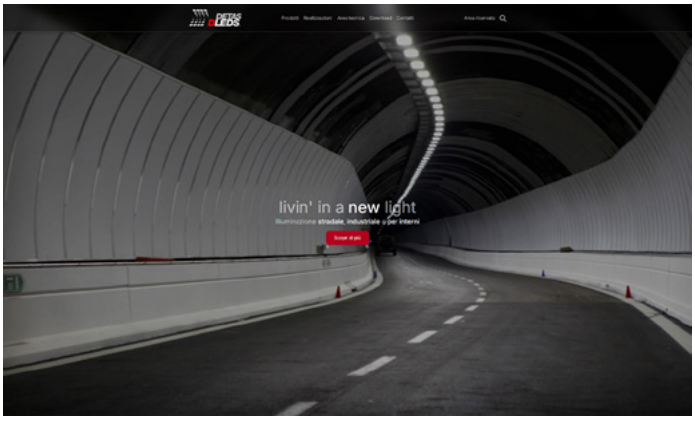
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Barre, tappeti, bumper e interblocchi di sicurezza a chiave codificata.

Edges, mats, bumpers and safety interlocks.

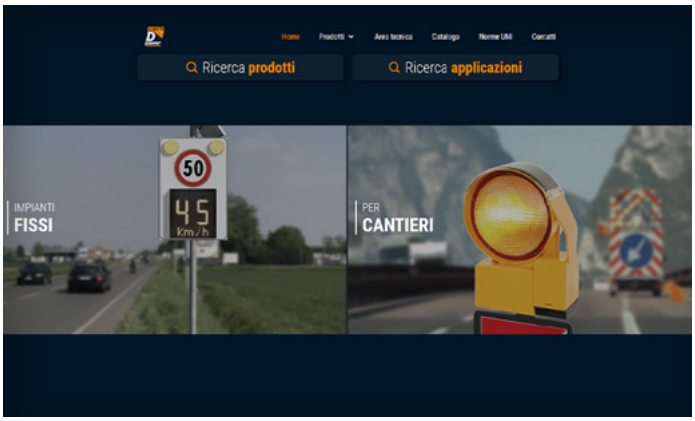
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Illuminazione a led stradale, industriale, ufficio e scuola.

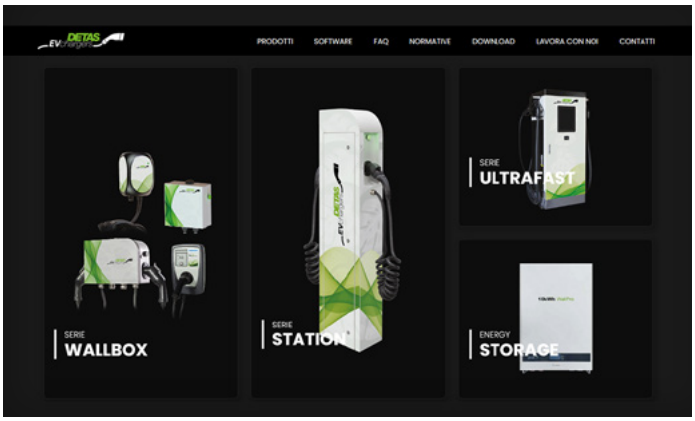
Street, industrial, office and school led lighting.



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Dispositivi luminosi per la sicurezza stradale, segnaletica, cantieristica e mezzi operativi.

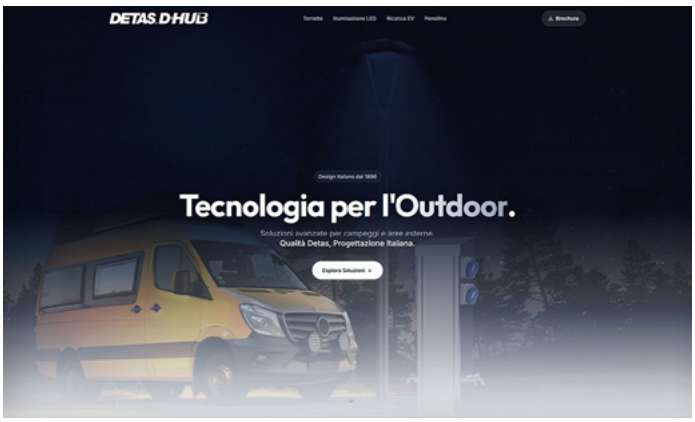
Luminous devices for road safety, signage, shipbuilding and operational vehicles.



evchargers.it

EVchargers propone una serie di prodotti e soluzioni pensate per facilitare la ricarica di Veicoli Elettrici (EV).

EVchargers offers a series of products and solutions designed to facilitate the charging of Electric Vehicles (EV).



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Advanced solutions for campsites and outdoor areas.

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