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I MARCHI DEL GRUPPO

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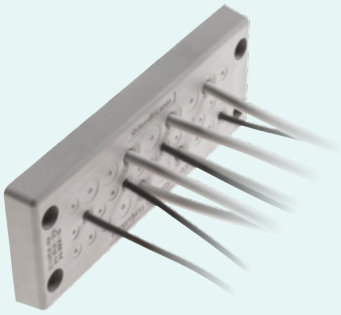

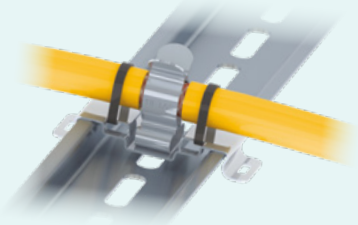

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REO

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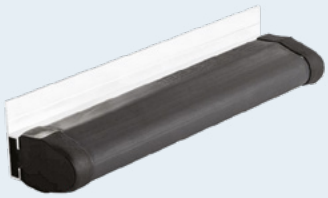


GSA SWNP02

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- Tensione di alimentazione universale 90-264 VAC (120-370 VDC)
- Temperatura di funzionamento: -40°C a +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
- Architettura SELV

AC-DC DIN rail mountable power supply

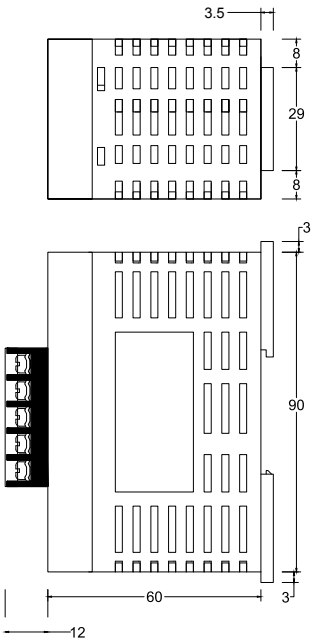
Features

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

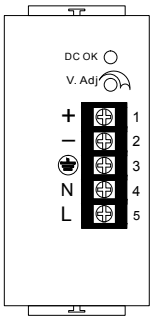
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWNP02/24	0160002602	90÷264 VAC	48 W	24 VDC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

CARATTERISTICHE FISICHE - *Physical Characteristics*

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*



INPUT (AC)
1 phases:
4 = AC (N)
5 = AC (L)
3 = Earth ground ⏚

INPUT (DC)
4 = + Positive DC (L1)
5 = – Negative DC (L2)
3 = do not connect ⏚

OUTPUT
1 = Positive DC
2 = Negative DC

LED DI SEGNALAZIONE *SIGNALLING*
DC OK: contatto pulito / *dry contact*
NO
COM

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GSA SWNP03

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- Tensione di alimentazione universale 90-264 VAC (120-370 VDC)
- Temperatura di funzionamento : -30° a +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
- Architettura SELV

AC-DC DIN rail mountable power supply

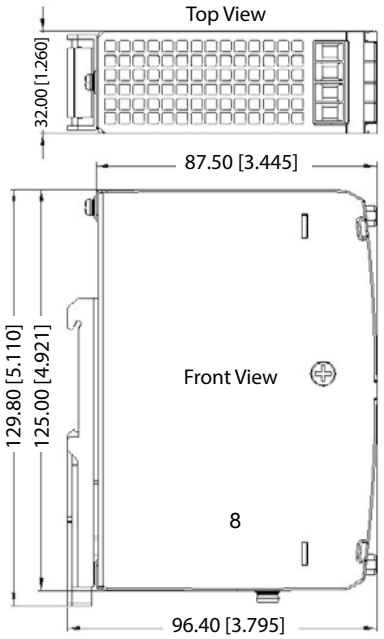
Features

- *Universal power supply voltage 90-264 VAC (120-370 VDC)*
- *Operating temperature : -30°C to +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 components design*

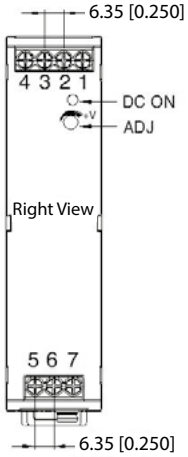
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWNP03/24	0160002603	90÷264 VAC	75 W	24 VDC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

CARATTERISTICHE FISICHE - *Physical Characteristics*

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*



INPUT (AC)
1 phases:
5 = AC (N)
6 = AC (L)
7 = Earth ground ⏚

INPUT (DC)
5 = + Positive DC (L1)
6 = – Negative DC (L2)
7 = do not connect ⏚

OUTPUT
4 - 3 = Positive DC
2 - 1 = Negative DC

LED DI SEGNALAZIONE ***SIGNALLING***
DC OK: contatto pulito / *dry contact*
NO
COM

7 - 8 devono essere collegata a terra ⏚
7 - 8 must be connected to the earth ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolatore resistenza di uscita
Sezione cavo: Input 26-10 AWG
Coppia di serraggio Max 0.4 Nm
Montaggio staffa: TS35, la staffa deve essere collegata alla terra

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 26-10 AWG
Tightening torque: Max 0.4 Nm
Mounting rail: TS35, rail needs to be connected to safety ground

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GSA SWNP05

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- Tensione di alimentazione universale 90-264 VAC (127-370 VDC)
- **Design ultra sottile con solo 36 mm di larghezza**
- Protezione da sovraccarico con circuito a corrente costante
- Temperatura di funzionamento : -20° a +60°C
- Tensione di uscita con ondulazione e rumore bassi
- Elevata tensione di prova di isolamento I/O di 4000 VAC
- Architettura SELV

AC-DC DIN rail mountable power supply

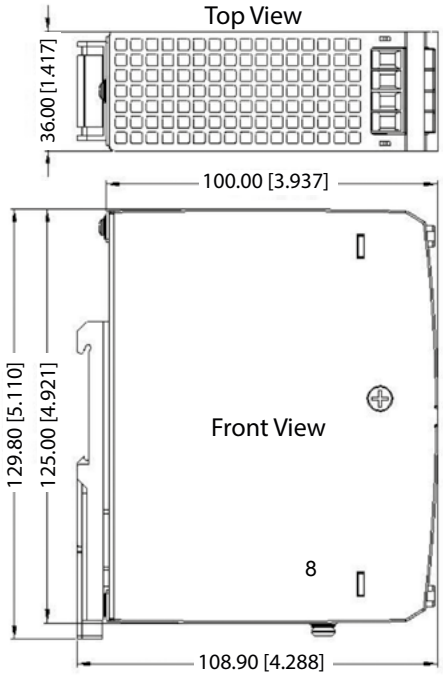
Features

- *Universal power supply voltage 90-264 VAC (127-370 VDC)*
- ***Ultra slim design with only 36 mm width***
- *Operating temperature : -20°C to +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 components design*

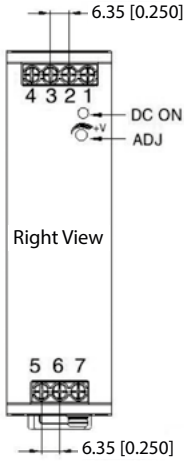
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Efficienza** *Efficiency*
GSA SWNP05/24	0160002665	90÷264 VAC	120 W	24 VDC	5 A	88%

CARATTERISTICHE FISICHE - *Physical Characteristics*

Dimensioni [mm] - *Case size [mm]*	36 x 125 x 108.9
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	410 g



CONFIGURAZIONE PIN - *Pin assignment*



INPUT (AC)
1 phases:
5 = AC (N)
6 = AC (L)
7 = Earth ground ⏚

INPUT (DC)
5 = + Positive DC (L1)
6 = – Negative DC (L2)
7 = do not connect ⏚

OUTPUT
4 - 3 = Positive DC
2 - 1 = Negative DC

LED DI SEGNALAZIONE ***SIGNALLING***
DC OK: contatto pulito / *dry contact*
NO
COM

7 - 8 devono essere collegata a terra ⏚
7 - 8 must be connected to the earth ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolatore resistenza di uscita
Sezione cavo: Input 26-10 AWG
Coppia di serraggio Max 0.4 Nm
Montaggio staffa: TS35, la staffa deve essere collegata alla terra

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 26-10 AWG
Tightening torque: Max 0.4 Nm
Mounting rail: TS35, rail needs to be connected to safety ground

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GSA SWP05

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- 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° a +70°C
- PFC attivo
- Architettura SELV
- Tensione di alimentazione universale 85-264 VAC (127-370 VDC)
- Protezione da sovraccarico con circuito a corrente costante

AC-DC DIN rail mountable power supply

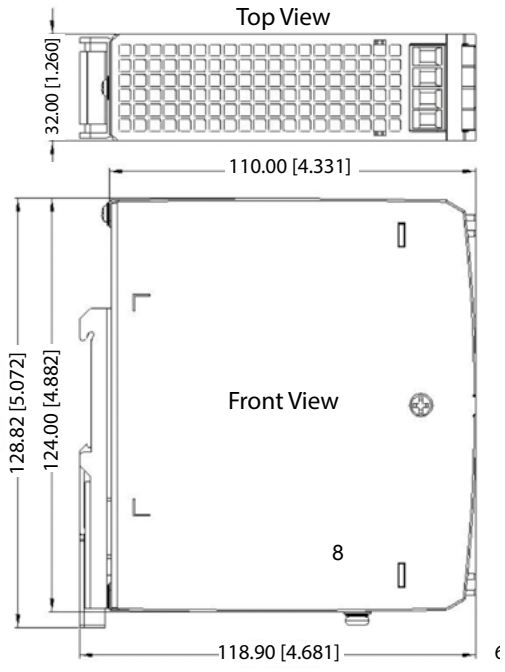
Features

- *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 to +70°C*
- *Active PFC function*
- *SELV components design*
- *Universal power supply voltage 85-264 VAC (127-370 VDC)*
- *Overload protection with constant current circuit*

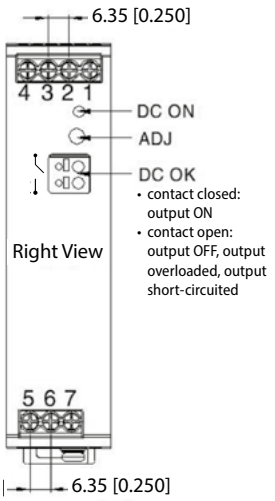
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP05/24	0160002605	85÷264 VAC	120 W	24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

CARATTERISTICHE FISICHE - *Physical Characteristics*

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



CONFIGURAZIONE PIN - *Pin assignment*



INPUT (AC)
1 phases:
5 = AC (N)
6 = AC (L)
7 = Earth ground ⏚

INPUT (DC)
5 = + Positive DC (L1)
6 = – Negative DC (L2)
7 = do not connect ⏚

OUTPUT
4 - 3 = Positive DC
2 - 1 = Negative DC

LED DI SEGNALAZIONE ***SIGNALLING***
DC OK: contatto pulito / *dry contact*
NO
COM

7 - 8 devono essere collegata a terra ⏚
7 - 8 must be connected to the earth ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolatore resistenza di uscita
Sezione cavo: Input 26-10 AWG
Coppia di serraggio Max 0.4 Nm
Montaggio staffa: TS35, la staffa deve essere collegata alla terra

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 26-10 AWG
Tightening torque: Max 0.4 Nm
Mounting rail: TS35, rail needs to be connected to safety ground

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GSA SWP10

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- 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° a +70°C
- PFC attivo
- Architettura SELV
- Tensione di alimentazione universale 85-264 VAC (127-370 VDC)
- Protezione da sovraccarico con circuito a corrente costante

AC-DC DIN rail mountable power supply

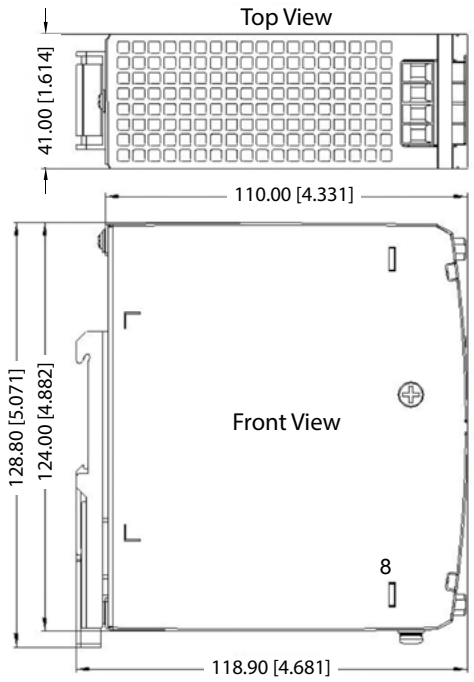
Features

- *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 to +70°C*
- *Active PFC function*
- *SELV components design*
- *Universal power supply voltage 85-264 VAC (127-370 VDC)*
- *Overload protection with constant current circuit*

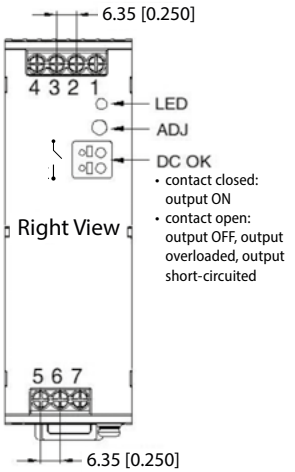
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP10/24	0160002610	85÷264 VAC	240 W	24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

CARATTERISTICHE FISICHE - *Physical Characteristics*

Dimensioni [mm] - *Case size [mm]*	41 x 128.8 x 118.9
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	650 g



CONFIGURAZIONE PIN - *Pin assignment*



INPUT (AC)
1 phases:
5 = AC (N)
6 = AC (L)
7 = Earth ground ⏚

INPUT (DC)
5 = + Positive DC (L1)
6 = – Negative DC (L2)
7 = do not connect ⏚

OUTPUT
4 - 3 = Positive DC
2 - 1 = Negative DC

LED DI SEGNALAZIONE ***SIGNALLING***
DC OK: contatto pulito / *dry contact*
NO
COM

7 - 8 devono essere collegata a terra ⏚
7 - 8 must be connected to the earth ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolatore resistenza di uscita
Sezione cavo: Input 26-10 AWG
Coppia di serraggio Max 0.4 Nm
Montaggio staffa: TS35, la staffa deve essere collegata alla terra

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 26-10 AWG
Tightening torque: Max 0.4 Nm
Mounting rail: TS35, rail needs to be connected to safety ground

GSA SWP20

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- 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° a +70°C
- PFC attivo
- Architettura SELV
- Tensione di alimentazione universale 85-264 VAC (127-370 VDC)
- Protezione da sovraccarico con circuito a corrente costante

AC-DC DIN rail mountable power supply

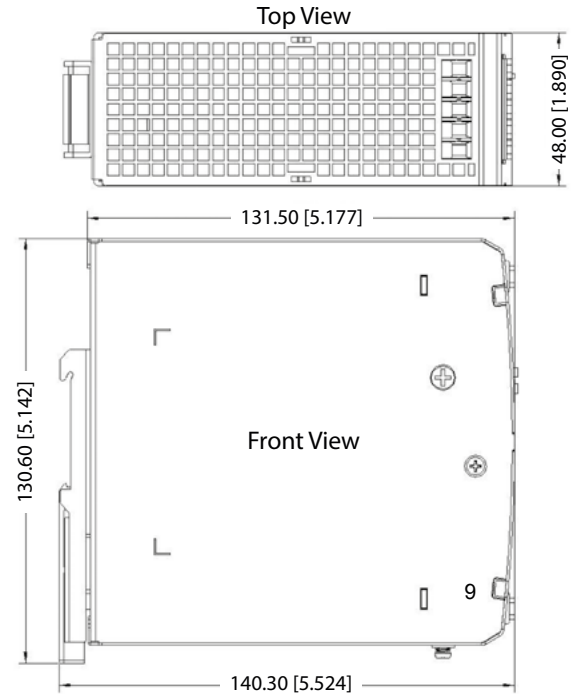
Features

- *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 to +70°C*
- *Active PFC function*
- *SELV components design*
- *Universal power supply voltage 85-264 VAC (127-370 VDC)*
- *Overload protection with constant current circuit*

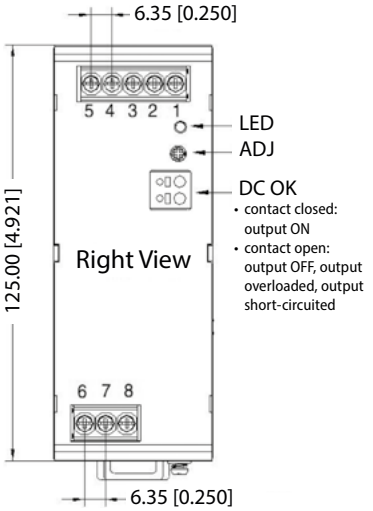
MODELLI *Models*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP20/24	0160002620	85÷264 VAC	480 W	24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

CARATTERISTICHE FISICHE - *Physical Characteristics*

Dimensioni [mm] - *Case size [mm]*	48 x 130.6 x 140.3
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	980 g



CONFIGURAZIONE PIN - *Pin assignment*



8 - 9 devono essere collegata a terra ⏚
8 - 9 must be connected to the earth ⏚

INPUT (AC)
1 phases:
6 = AC (N)
7 = AC (L)
8 = Earth ground ⏚

INPUT (DC)
6 = + Positive DC (L1)
7 = – Negative DC (L2)
8 = do not connect ⏚

LED DI SEGNALAZIONE
SIGNALLING
4 - 5 = Positive DC
3 - 2 - 1 = Negative DC

SIGNALLING
DC OK: contatto pulito / *dry contact*
NO
COM

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolatore resistenza di uscita
Sezione cavo: Input 28-10 AWG
Coppia di serraggio Max 0.4 Nm
Montaggio staffa: TS35, la staffa deve essere collegata alla terra

Note:
Unit: mm [inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 28-10 AWG
Tightening torque: Max 0.4 Nm
Mounting rail: TS35, rail needs to be connected to safety ground

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GSA SWD01

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

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

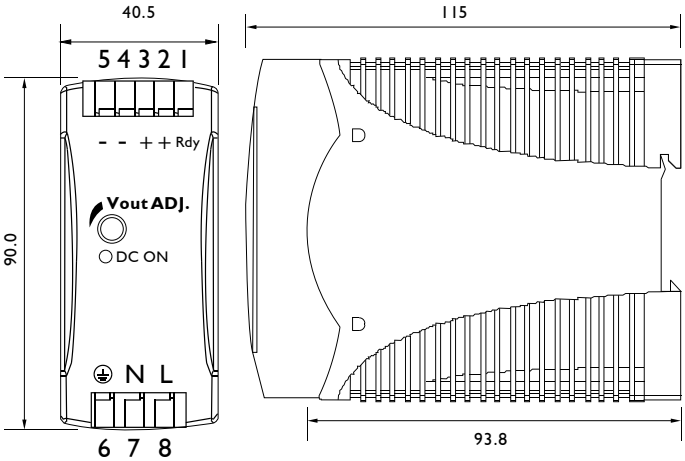
AC-DC DIN rail mountable power supply

Features

- *Universal input 90÷265 VAC*
- *High efficiency up to 84%*
- *Short circuit protection*
- *Internal input filter*
- *UL / cUL / TUV / CE*

MODELLO *Model*	**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 FISICHE - *Physical Characteristics*	
Dimensioni [mm] - *Case size [mm]*	80 x 127 x 1137.5
Materiale custodia - *Case material*	Metallo - *Metal*
Peso - *Weight*	1300 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 (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 - *Operation indication LED*

GSA SWNP205

Alimentatori AC-DC montabili su guida DIN

Caratteristiche

- Monofase - bifase 180÷600 VAC (254-848VDC)
- Temperatura ambiente di funzionamento da -25°C a +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
- Architettura SELV
- Tensione di uscita con ondulazione e rumore bassi
- Utilizzabile in applicazioni industriali, sistemi di telecomunicazione ecc
- Su richiesta versione Vout 48VDC

AC-DC DIN rail mountable power supply

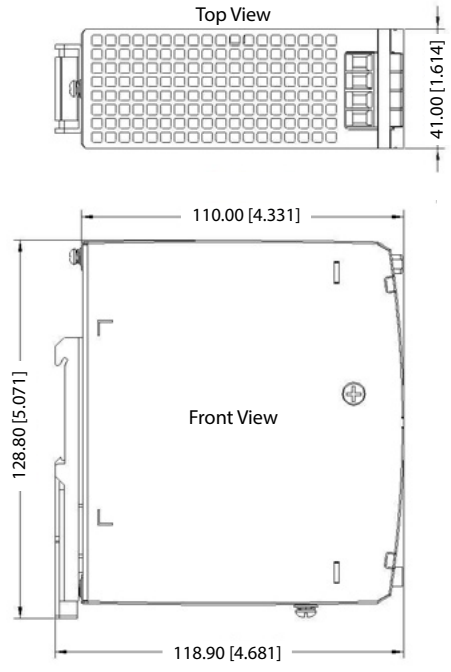
Features

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

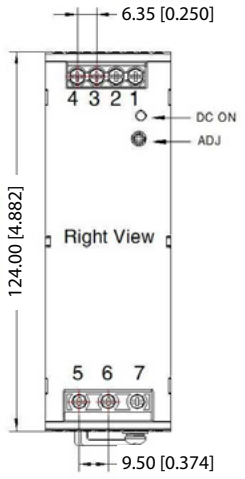
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Efficienza** - *Efficiency* **Typ.**
GSA SWNP205/24	0160003685	1/2 fasi *(phases)* 198÷550 VAC	120 W	24 VDC	5 A	84%

CARATTERISTICHE FISICHE - *Physical Characteristics*

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



CONFIGURAZIONE PIN - *Pin assignment*



INPUT (AC)
2 phases:
5 = AC (N)
6 = AC (L)
7 = Earth ground ⏚

INPUT (DC)
5 = + Positive DC (L1)
6 = – Negative DC (L2)
7 = Non collegare / do not connect ⏚

OUTPUT CONNECTION
4 - 3 = Positive DC
2 - 1 = Negative DC

LED DI SEGNALAZIONE *SIGNALLING*
DC OK: contatto pulito / *dry contact*
NO
COM

7 - 8 devono essere collegata a terra ⏚
7 - 8 must be connected to the earth ⏚

Note:
Unità di misura: mm [inch]
DC ON: LED di indicatore stato output
ADJ: Regolatore resistenza di uscita
Sezione cavo: Input 26-10 AWG
Output 12 V: 16-10AWG
24 V: 20-10AWG
48 V: 22-10AWG
DC OK: 24-16 AWG

GSA SWP310

NEW

Alimentatori universali AC-DC montabili su guida DIN

Caratteristiche

- Tensione di ingresso con ampio intervallo di funzionamento: 2/3 fasi 320÷600 VAC
- Progettato per funzionamento con alimentazione bifase
- Sovraccarico del 150% per 5 secondi della potenza nominale
- Elevata efficienza fino al 92%
- Dimensioni ultra compatte
- Temperatura ambiente di funzionamento da -30°C a +70C
- Architettura SELV
- Elevata tensione di isolamento I/O fino a 4000VAC
- Utilizzabile in applicazioni industriali, sistemi di telecomunicazione e energie rinnovabili

Universal AC-DC DIN rail mountable power supply

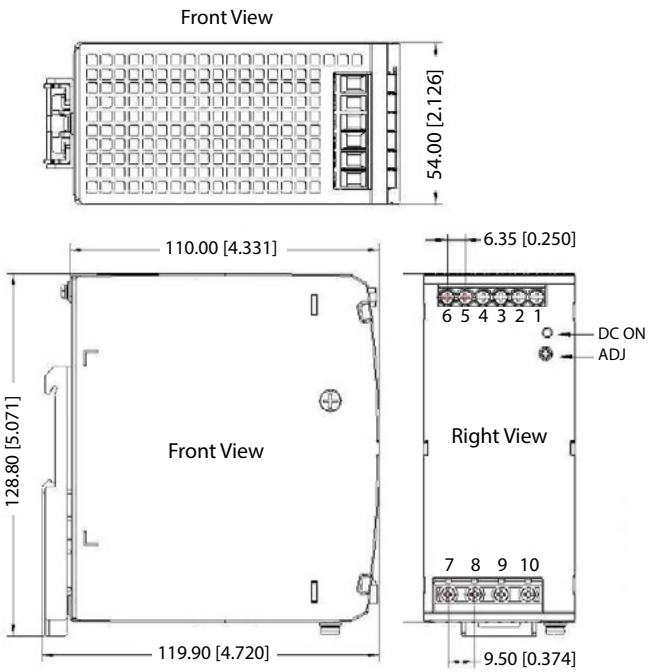
Features

- *Wide operating range input voltage: 2/3 phases 320 ÷ 600 VAC*
- *Designed for Two-phase operation as well*
- *150% overload for 5 seconds of rated power*
- *High efficiency up to 92 %*
- *Ultra compact size*
- *Operating ambient temperature from -30°C to +70°C*
- *SELV components design*
- *High I/O isolation voltage up to 4000VAC*
- *Usable in industrial applications, telecommunication systems and renewable energy*

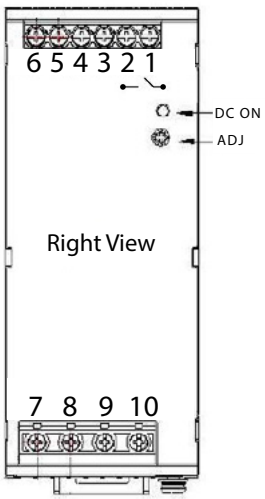
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP310/24	0160003710	3 fasi *(phases)* 340÷550 VAC 2 fasi *(phases)* 340÷550 VAC	240 W 168 W	24 VDC 24 VDC	10 A 7 A	0.6	92%

CARATTERISTICHE FISICHE - *Physical Characteristics*

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



CONFIGURAZIONE PIN - *Pin assignment*



Note:
Unit: mm[inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 24-11 AWG

INPUT (AC)
2 phases:
7 = Phase 1
8 = Phase 2
10 = Earth ground ⏚
3 phases:
7 = Phase 1
8 = Phase 2
9 = Phase 3
10 = Earth ground ⏚

INPUT (DC)
7 = + Positive DC (L1)
8 = – Negative DC (L2)

OUTPUT CONNECTION
5 - 6 = + Positive DC
3 - 4 = – Negative DC

LED DI SEGNALAZIONE
SIGNALLING
1 - 2 = **DC OK**: contatto pulito / *dry contact*

GSA SWP320

Alimentatori
Stabilizzati switching Trifase
Three Phase Power supplies

NEW

Alimentatori universali AC-DC montabili su guida DIN

Caratteristiche

- Dimensioni ultra compatte (larghezza 80mm)
- Tensione di ingresso con ampio intervallo di funzionamento: 2/3 fasi 340÷550 VAC
- Progettato per funzionare in modalità permanente anche con alimentazione bifase (max. 15 A)
- 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 ambiente di funzionamento da -30°C a +70°C
- Architettura SELV
- Elevata tensione di isolamento I/O fino a 4000 VAC
- Funzione di avviso guasto (DC OK)
- Comunicazione RS485
- Utilizzabile in applicazioni industriali, sistemi di telecomunicazione e energie rinnovabili

Universal AC-DC DIN rail mountable power supply

Features

- *Compact size (only 80mm wide)*
- *Wide operating range input voltage: 2/3 phases 340 ÷ 550 VAC*
- *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 ambient temperature from -30°C to +70°C*
- *SELV components design*
- *High I/O isolation voltage up to 4000 VAC*
- *Fault warning function*
- *Usable in industrial applications, telecommunication systems and renewable energy*

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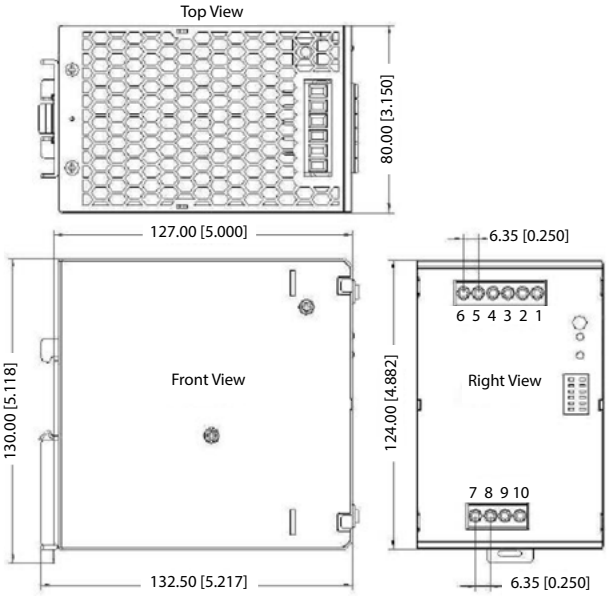
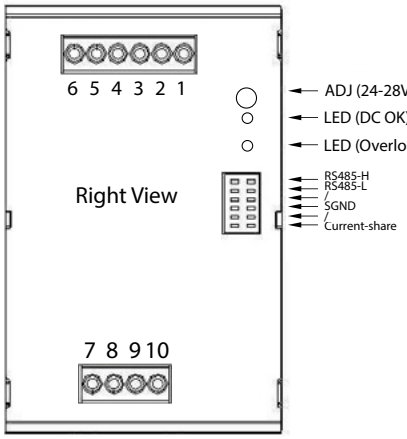
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP320/24	0160003720	3 fasi *(phases)* 350÷550 VAC 2 fasi *(phases)* 350÷550 VAC	480 W 312 W	24 VDC 24 VDC	20 A 13 A	0.93	95%

CARATTERISTICHE FISICHE - *Physical Characteristics*

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



CONFIGURAZIONE PIN - *Pin assignment*



Note:
Unit: mm[inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 24-11 AWG

INPUT (AC)
2 phases:
7 = Phase 1
8 = Phase 2
10 = Earth ground
3 phases:
7 = Phase 1
8 = Phase 2
9 = Phase 3
10 = Earth ground ⏚

INPUT (DC)
7 = + Positive DC (L1)
8 = – Negative DC (L2)

OUTPUT CONNECTION
5 - 6 = + Positive DC
3 - 4 = – Negative DC

LED DI SEGNALAZIONE
SIGNALLING
1 - 2 = **DC OK**: contatto pulito / *dry contact*

DETAS

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GSA SWP340

Alimentatori
Stabilizzati switching Trifase
Three Phase Power supplies

NEW

Alimentatori universali AC-DC montabili su guida DIN

Caratteristiche

- Dimensioni ultra compatte (larghezza 110 mm)
- Tensione di ingresso con ampio intervallo di funzionamento: 2/3 fasi 320÷600 VAC
- Progettato per funzionamento con alimentazione bifase
- Sovraccarico del 150% per 5 secondi della potenza nominale
- PFC attivo
- Collegabili in parallelo per aumentare la potenza o per la ridondanza
- Elevata efficienza fino al 95%
- Bassa corrente di spunto
- Temperatura ambiente di funzionamento da -30°C a +70C
- Architettura SELV
- Elevata tensione di isolamento I/O fino a 4000 VAC
- Funzione di avviso guasto
- Comunicazione RS485
- Controllo remoto (PS_ON)
- Utilizzabile in applicazioni industriali, sistemi di telecomunicazione e energie rinnovabili

Universal AC-DC DIN rail mountable power supply

Features

- *Compact size (only 110 mm wide)*
- *Wide operating range input voltage: 2/3 phases 320 ÷ 600 VAC*
- *Designed for Two-phase operation as well*
- *150% overload for 5 seconds of rated power*
- *Active PFC function*
- *Can be connected in parallel to increase power or for redundancy*
- *High efficiency up to 95 %*
- *Low inrush current*
- *Operating ambient temperature from -30°C to +70°C*
- *SELV components design*
- *High I/O isolation voltage up to 4000 VAC*
- *Fault warning function*
- *RS485 communication*
- *Remote control (PS_ON)*
- *Usable in industrial applications, telecommunication systems and renewable energy*

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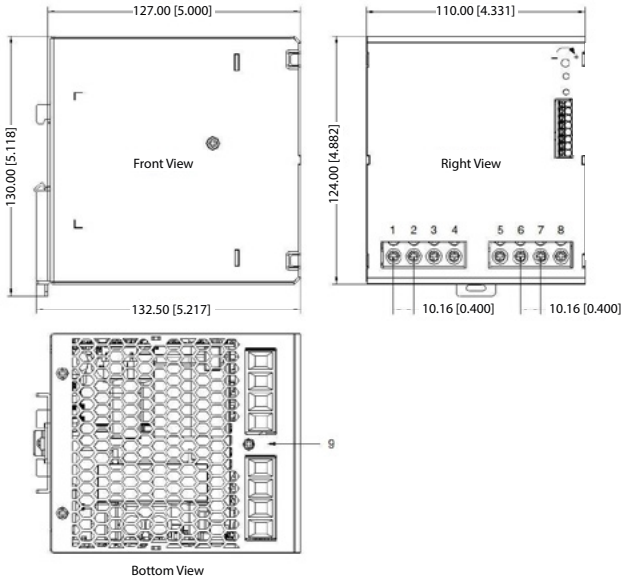
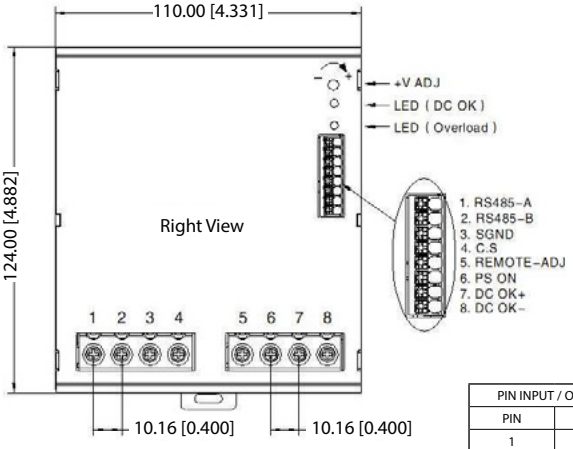
MODELLO *Model*	**Codice** *Code*	**Tensione d'ingresso** *Input voltage*	**Potenza d'uscita** *Output wattage*	**Tensione d'uscita** *Output voltage*	**Corrente d'uscita** *Output current*	**Fattore di potenza** *Power factor*	**Efficienza** *Efficiency*
GSA SWP340/24	0160003740	3 fasi *(phases)* 350÷600 VAC 2 fasi *(phases)* 350÷600 VAC	960 W 600 W	24 VDC 24 VDC	40 A 25 A	0.94	95%

CARATTERISTICHE FISICHE - *Physical Characteristics*

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 INPUT / OUTPUT	
PIN	Mark
1	L1
2	L2
3	L3
4	⏚
5	+Vo
6	+Vo
7	-Vo
8	-Vo

Note:
Unit: mm[inch]
DC ON: Output status indicator LED
ADJ: Output adjustable resistor
Wire range: 20-6 AWG
Input Tightening torque: Max 1.2 N·m
Output Tightening torque: Max 1.2 N·m
Mounting rail: TS35, rail needs to connect safety ground
General tolerances: ± 1.00[± 0.039]

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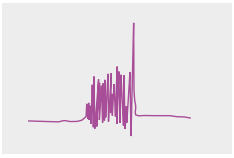
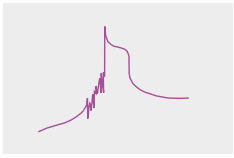
FILTRI ANTIDISTURBO

L'apertura e la chiusura dei comandi di una qualsiasi apparecchiatura elettrica provocano determinati fenomeni in funzione dei parametri interessati: tipo del carico, dispositivi accoppiati (cavi, schermi, ecc.), comportamento dei contatti degli organi di comando ecc., dove il termine "contatti" può riferirsi sia a quelli elettromeccanici sia a quelli elettronici.
Le sovratensioni che si hanno in queste apparecchiature devono venire soppresse da adatti dispositivi.
Per dare un'idea di questi fenomeni indichiamo (vedi sotto) 3 diagrammi che riproducono il "noise" generato dalla chiusura di un carico induttivo. Ciascun carico rappresenta, in realtà, una combinazione di fattori come resistenze, carichi capacitivi, induttivi, tipo dell'alimentaziane, variazioni termiche ecc., che determinano le particolari condizioni da considerare nella scelta del filtro più appropriato, in grado di evitare le disfunzioni o la stessa distruzione del circuito collegato.
La soppressione, la cui efficacia può avere diversi livelli, si ottiene impiegando un modulo inserito in parallelo al carico induttivo. 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.
Un altro elemento importante da considerare è che il dispositivo antidisturbo non provochi a sua volta disturbi e non modifichi il funzionamento a regime del circuito collegato. Il posizionamento del modulo antidisturbo è altresì importante da valutare: si consiglia infatti di inserire il gruppo quanto più possibile vicino all'origine del disturbo stesso, anche per evitare di coinvolgere nel fenomeno altri componenti (per esempio i cavi).
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 secanda dei casi, il miglior risultato. L'ampia gamma DETAS vi permetterà di individuare il filtro adatto alle Vostre esigenze.
Inoltre l'Ufficio Tecnico è a Vostra disposizione per ulteriori, più dettagliate informazioni sull'utilizzo e la corretta scelta dei suoi filtri antidisturbo.

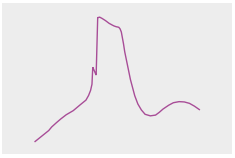
The opening and the closing of every electric device generates various phenomena in function of interested parameters: type of loading, connected gears (cables, screens, etc), behaviour of command devices contacts, both electro-mechanical and electrical.
The overvoltages so generated must be suppressed by suitable devices.
To give an idea of these phenomena we want to show three diagrams (see below) reproducing the "noise" generated by a stopping of inductive load. Every load represents, in truth, a combination of factors such as, impedence, capacitive load, inductive load, type of input, thermical variations etc., that determinates the variables we have to consider in the choice of the most suitable transient voltage suppressor, capable to avoid malfunctions or directly the distruction of the connected device.
The suppression, that can operate at different levels, is obtained using a module, mounted in parallel to the inductive load. This module must carry out two function: the elimination of the voltage increase and the fastest descharge of the accumulated magnetic energy.
Another important element we have to consider is that the suppressor device itself have not to generate noise or modify in any way the normal functionality of the circuit connected to it. The positioning of the suppressor module is another important factor we have to take into account. In fact the best solution would be to mount the suppressor as near as possible to the source of the noise itself, to avoid the involving of other devices in the fenomenon (cables for example).
The use of diodes is suitable in particular for the dumping current circuits, the use of a combinations resistor-capacitor (RC) for alternating current, while varistors are effective in both the types of circuit.
In addition of this DETAS has developed combined devices RC + Varistors in order to reach the best results according to different cases. The wide choice available by DETAS will certanly permit you to find the type of suppressor suitable in your application.
Finally DETAS Technical Department is at your disposal for further and more detailed information about the most correct use and effective employ of its transient voltage suppressors.



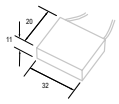
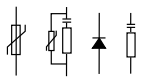
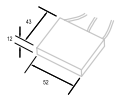
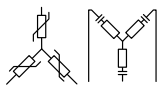
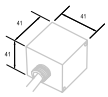
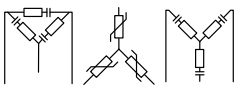
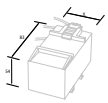
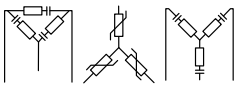
Senza filtro
No filter



Con gruppo RC
With RC device



Con gruppo RC
+ varistore
With RC
+ varistor device

	Modello *Model*	**Custodia** *Housing*	**Potenza motore** *Motor power range*	**VINAC** [V]	**Tipologia** *Type*
Monofase universali *General purpose*	**UNI**		-	24-230 DC 24 AC/DC 110...400 AC	
Trifase per motori *For threephase 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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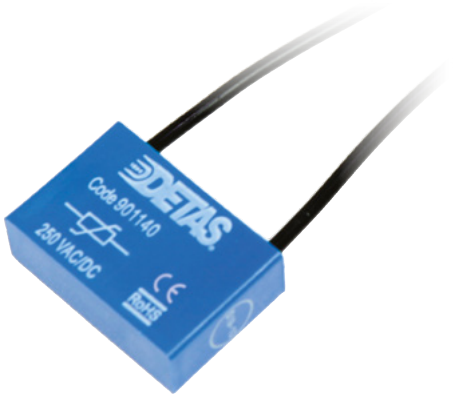
Monofase universali - UNI

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.

General purpose - UNI

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.



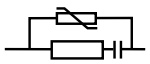
SPECIFICHE TECNICHE - *Specifications*

Temperatura d'esercizio *Temperature rating*	-25°...+85 °C
Custodia - *Housing*	PBT, UL94-V0
Riempitivo *Potting material*	Resina epossidica, UL94-V0 *Epoxy resin, UL94-V0*
Allacciamento *Connections*	Cavetto 0,75 mm² con capocorda (Y) (UL, PVC), L≈150 mm *Connecting leadwire 0,75 mm² (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 ***Model List***	**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*	15
VDR 110V	0160901135	110 AC	Varistore - *Varistor*	15
VDR 230V	0160901140	230 AC	Varistore - *Varistor*	15
RC 022/100 400V	0160901160	400 AC	RC - *RC*	15
RC + VDR 047/47 24V	0160901190	24 AC/DC	RC||Varistore - *RC||Varistor*	15
RC + VDR 047/47 110V	0160901191	110 AC	RC||Varistore - *RC||Varistor*	15
RC + VDR 047/47 220V	0160901192	250 AC	RC||Varistore - *RC||Varistor*	15
RC 047/220 400V	0160901199	400 AC	RC - *RC*	15

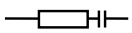
SCHEMA ELETTRICO - *Electrical schematic*

Varistore - *Varistor*



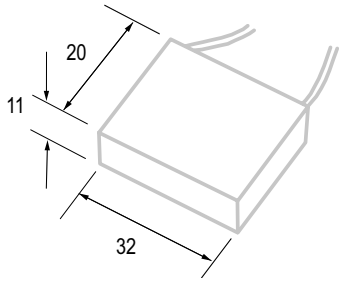
RC/Varistore - *RC/Varistor*

Diodo - *Diode*



RC - *RC*

DIMENSIONI [mm] - *Dimensions [mm]*



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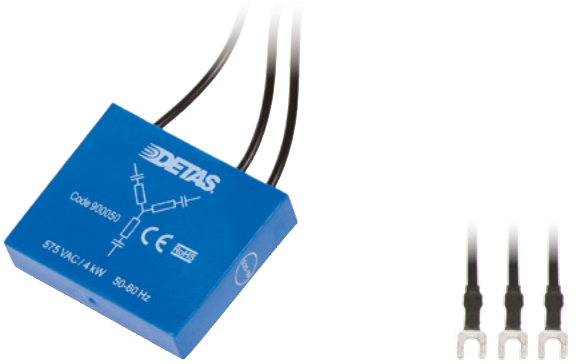
Trifase per motori

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.

For threephase motors

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.



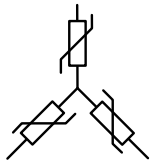
CE RoHS COMPLIANT

SPECIFICHE TECNICHE - *Specifications*

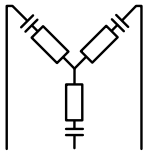
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Fino a 4 kW - *Up to 4kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°...+85 °C
Custodia - *Housing*	PBT, UL94-V0
Riempitivo - *Potting 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 mm² con capocorda (Y) (UL, PVC), L≈300 mm *Connecting leadwire 0,75 mm² (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 *Model List*	**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-PA 400V	0160900030	3 x 400	4	Varistori a stella *Varistors wye connected*	55
VDR 3/4 KW-PA 500V	0160900040	3 x 500		Varistori a stella *Varistors wye connected*	60
RC 3/4 KW-PA 575V	0160900050	3 x 575		RC a stella *RC wye connected*	50

SCHEMA ELETTRICO - *Electrical schematic*

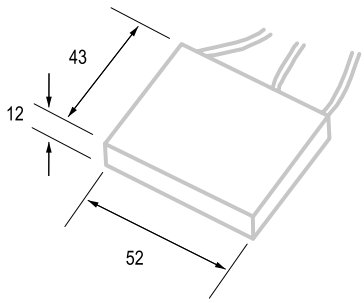


Varistori a stella - *Varistors wye connected*



RC a stella - *RC wye connected*

DIMENSIONI [mm] - *Dimensions [mm]*



Trifase per motori

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.

For threephase motors

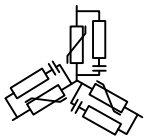
This filter is proposed in a "cube" box and several different models available depending on the type of suppressor device used, in particular the RC+varistor combination offers high level of suppression.
The filter can be screwed onto the entrance of motor switchgear or can be mounted outside.

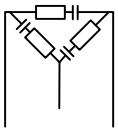
CE RoHS COMPLIANT

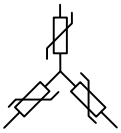
SPECIFICHE TECNICHE - *Specifications*	
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Da 4 kW a 10kW - *From 4kW to 10 kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°...+85 °C
Custodia - *Housing*	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 mm² (UL 94-V0, PVC), L≈300 mm; filetto PG9 *Connecting leadwire 3x1 mm² (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*

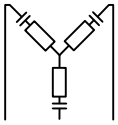
MODELLI *Model List*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
RC 3/4 KW-CU 575V	0160900120	3 x 575	4	RC a stella - *RC wye connected*	135
RC 3/7,5 KW-CU 575V	0160900127	3 x 575	7,5	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*

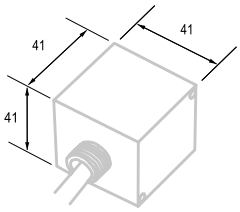

RC/Varistori a stella
RC/Varistors wye connected


RC a triangolo
RC delta connected


Varistori a stella
Varistors wye connected


RC a stella
RC wye connected

DIMENSIONI [mm] - *Dimensions [mm]*

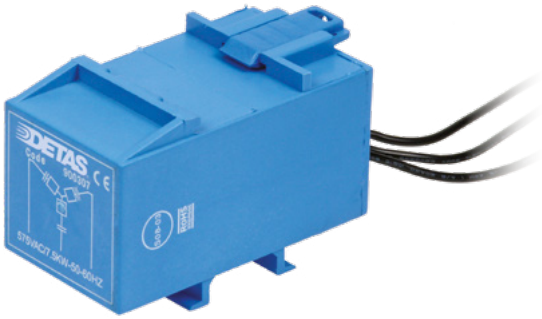


Trifase per motori

Questo filtro per motore viene montato direttamente su barra 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.

For threephase motors

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



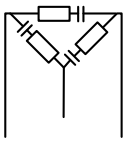
CE

SPECIFICHE TECNICHE - *Specifi ions*

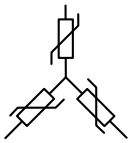
Frequenza motore - *Motor frequency*	50÷60 Hz (RC); 10÷400 kHz (VDR)
Potenza massima motore - *Max. motor power*	Fino a 20 kW - *Up to 20 kW*
Massimo numero di manovre - *Max. nr. cycles*	1/sec
Temperatura d'esercizio - *Temperature rating*	-25°...+85 °C
Custodia - *Housing*	Policarbonato classe V2 - *Polycarbonate V2 class*
Riempitivo - *Potting material*	Resina epossidica, UL94-V0 - *Epoxy resin, UL94-V0*
Allacciamento - *Connections*	Cavetto 0,75 mm² fino a 10 kW, 1,5 mm² oltre i 10 kW (UL, PVC), L≈150 mm *Connecting leadwire 0,75 mm² up to 10 kW, 1,5 mm² 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 *Model List*	**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

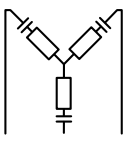
SCHEMA ELETTRICO - *Electrical schematic*



RC a triangolo
RC delta connected

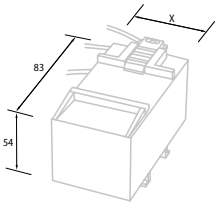


Varistori a stella
Varistors wye connected



RC a stella
RC wye connected

DIMENSIONI [mm] - *Dimensions [mm]*



≤10kW: X= 45
>10kW: X= 54

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Trifase per motori

Questo filtro per motore viene montato direttamente su barra 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).

For threephase motors

This motor filter can be mounted directly on DIN rail.
Moreover the contactor can be placed 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 here not indicated can be ordered with cables instead of terminal blocks.

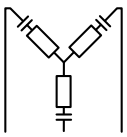
CE

SPECIFICHE TECNICHE - *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°...+85 °C
Custodia - *Housing*	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*

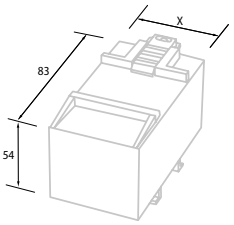
MODELLI *Model List*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
RC 3/20 KW-STM 575V	0160900328	3 x 575	20	RC a stella - *RC wye connected*	175

SCHEMA ELETTRICO - *Electrical schematic*



RC a stella
RC wye connected

DIMENSIONI [mm] - *Dimensions [mm]*



>10kW: X= 54

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Trifase per motori

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

For threephase motors

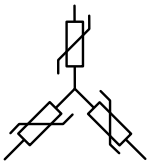
The threaded (PG9) cylindrical shape allows to screw this filter directly on output cables of the motor switchgear.
It is available in varistors version with threephase 400 and 500 Vac.

CE

SPECIFICHE TECNICHE - *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°...+85 °C
Custodia - *Housing*	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 mm² con capocorda ad occhiello diametro 4mm (UL, PVC), L≈150 mm *Connecting leadwire 0,75 mm² (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*

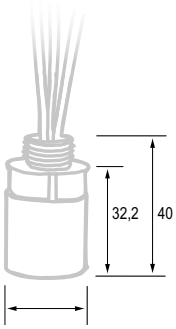
MODELLI *Model List*	**Codice** *Code*	**Tensione AC [V]** *Rated voltage*	**Potenza max. motore [kW]** *Max. motor power*	**Circuito antidisturbo** *Device type*	**Peso [g]** *Weight*
VDR 3/4 KW-CL 400V	0160900405	3 x 400	4 W	Varistori a stella - *Varistors wye connected*	30
VDR 3/4 KW-CL 500V	0160900406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

SCHEMA ELETTRICO - *Electrical schematic*



Varistori a stella
Varistors wye connected

DIMENSIONI [mm] - *Dimensions [mm]*

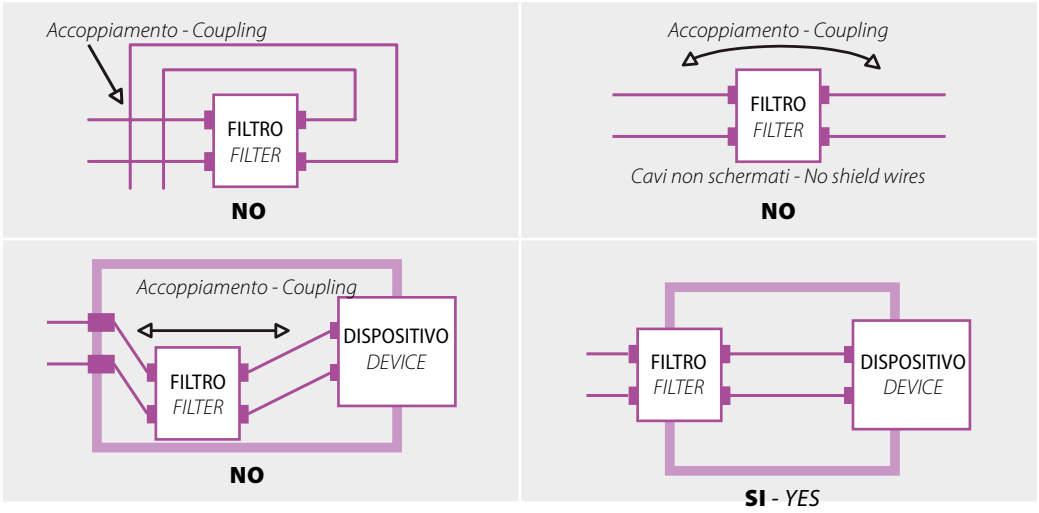


FILTRI DI RETE

Brusche variazioni di corrente nei carichi, collegati alle linee di alimentazione, generano interferenze in radiofrequenza.
Normalmente si definisce disturbo "condotto" l'interferenza che, percorrendo i cavi di alimentazione, si propaga a tutta la rete.
Il disturbo "radiato" viene invece trasmesso via etere dai cavi, che si comportano da antenne.
In realtà la differenza é funzionale alla descrizione del fenomeno in quanto, ad ogni interferenza condotta (tensioni e correnti variabili nel tempo) corrisponde un campo elettromagnetico irradiato. Ogni campo irradiato, d'altra parte induce sui cavi presenti, che si comportano in questo caso da antenne riceventi, un equivalente segnale elettrico condotto (ovviamente l'efficacia di questi fenomeni è dipendente dalla frequenza).
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.
All'interno del filtro LC si trovano dei componenti, cablati e resinati in un contenitore tipicamente metallico zincato. Per esempio: Bobina compensata (L1) , Bobina di blocco (L2-L3), Condensatore in classe X (Cx), Condensatore in classe Y (Cy), Resistenza di scarica (R).
L1 e Cx servono principalmente per la soppressione dei disturbi in "modo differenziale". L2, L3, Cy e L1 per la soppressione in "modo comune".
L'attenuazione tipica (perdita di inserzione) dei filtri con singolo elemento (singola cella) varia da 30 a 50 dB. Valori intorno agli 80 dB in caso di doppio elemento (doppia cella).

Rough variation in currents of loads, wich are connected with power lines, generate radio frequency interferences.
Normally it defines "conducted" emission noise the interference which, through the power line wires, goes onto all the line.
The "radiated" emission noise, on the other side, is trasmitted by the wires through the air as if these were antennas.
As a metter of fact, the difference is functional to phenomenon description because to each conducted noise (time dependent voltages and currents) correspond to a radiated noise. On the other side every radiated noise induces on the present wires, wich work in this case as receiving antennas, an equivalent conducted electrical signal (the effectiveness of these phenomena it's, of course, frequency dependent).
Thus it is very important the rule of the LC filters to the power line distribution, which has to avoid the interferences exchange with the electrical network, by everyone used.
The typical LC filter has the following configuration: Compensated coil (L1), Block coil (L2-L3), Class X capacitor (Cx), Class Y capacitor (Cy), Resistor (R)
L1 and Cx are used for the suppression of the "differential mode" noise.
L2, L3, Cy and L1 for the one in "common mode".
The typical insertion loss of the single stage filters is approximately between 30 and 50 dB. Values around 80 dB are typical for the double stage filters.

Montaggio dei filtri
Mounting



Tipologia - *Type*		Serie *Series*	Corrente nominale [A] *Rated current [A]*	Livello di attenuazione tipica - *Typical insertion loss*
Ingresso - Input	Celle - *Stage*			0db 25dB 50dB 75dB 100dB
Monofase *Single phase*	1	MSC MSCD	1, 3, 6, 10, 20, 30 6, 10, 16, 30	
Monofase *Single phase*	2	MDC MDCD	3, 6, 10, 20, 30 6, 10, 16, 20, 30	
Trifase *Three phase*	1	TSCD	6, 10, 20, 30	
Trifase *Three phase*	2	TDCM	10, 20, 35, 55, 75, 100, 120	

Monofase - Singola cella
Montaggio su gida 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.

Single phase - Single stage - DIN rail

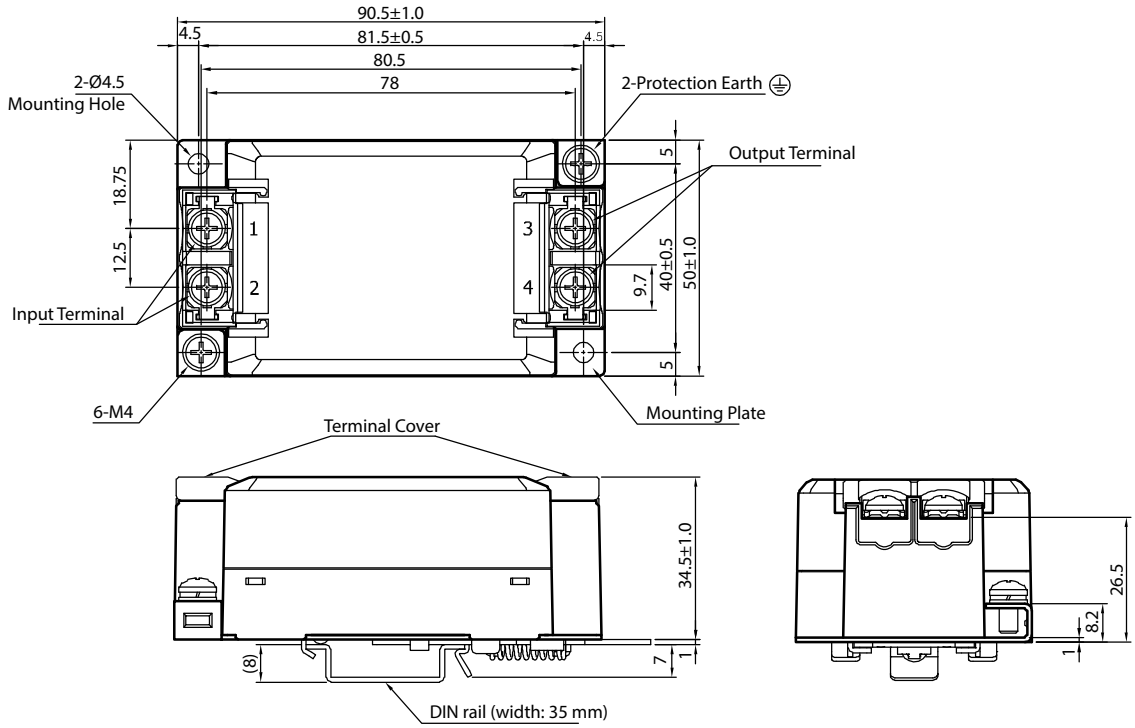
High attenuation characteristics (150kHz÷1MHz).
Low leakage.
Quick and easy push-down terminal block.
Safety cover.

Applications:
Industrial equipments.
Personal computer & peripherals.
Digital equipments.

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

MODELLI ***Model List***	**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					

DIMENSIONI [mm] - *Dimensions [mm]*



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Monofase - Doppia cella
Montaggio su gida DIN

Elevate caratteristiche di attenuazione (150kHz÷10MHz).
Bassa dispersione.
Morsettiera push-down rapida e facile.
Copertura di sicurezza.

Applicazioni:
Attrezzature industriali.
Personal computer e periferiche.
Apparecchi digitali.

Single phase - Double stage - DIN rail

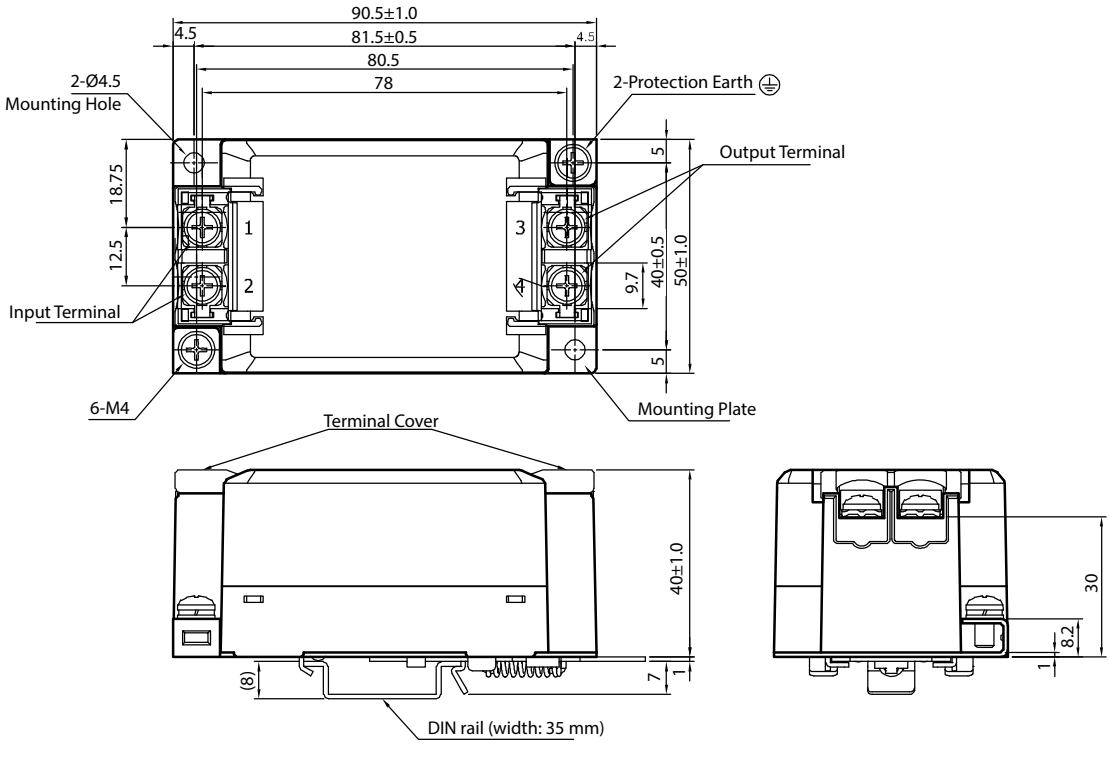
High attenuation characteristics (150kHz÷10MHz).
Low leakage.
Quick and easy push-down terminal block.
Safety cover.

Applications:
Industrial equipments.
Personal computer & peripherals.
Digital equipments.

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

MODELLI ***Model List***	**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*
MDCD06	2390MDCD06	6	250 max.	4x3.09	2x1.0	2x4.70	0.47	90.5 x 50 x 40 mm	210 g
MDCD10	2390MDCD10	10		4x1.93					
MDCD16	2390MDCD16	16		4x0.55					
MDCD20	2390MDCD20	20		4x0.42					
MDCD30	2390MDCD30	30		4x0.14					

DIMENSIONI [mm] - *Dimensions [mm]*



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Monofase - Singola cella

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.

Single phase - Single stage

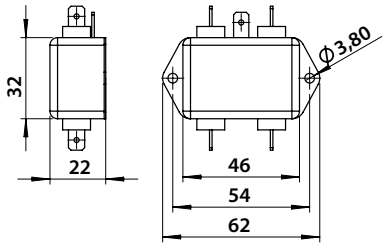
This filter is indicated for whichever electronic device that demands a line filter.
It is characterized for a very low leakage current.
The medium insertion loss of this filter is around 50-60 dB.

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

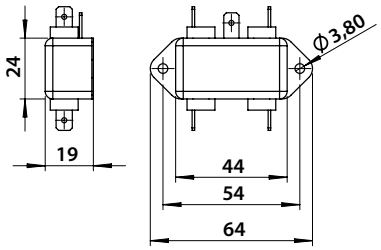
MODELLI ***Model List***	**Codice** *Code*	**Corrente nom. [A]** *Rated current*	**Tensione nom. [V]** *Rated voltage*	**L [mH]**	**C_X [µF]**	**C_Y [nF]**	**R [MΩ]**	**Dimensioni** *Case size L x W x D*	**Peso** *Weight*
MSC01/250	23900MSC01	1	115/250	2x4	0.1	2x4.7	-	46 x 32 x 22 mm	65 g
MSC03/250	23900MSC03	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

DIMENSIONI [mm] - *Dimensions [mm]*

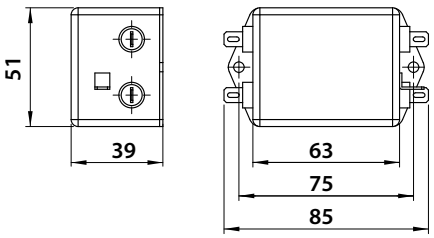
MSC01



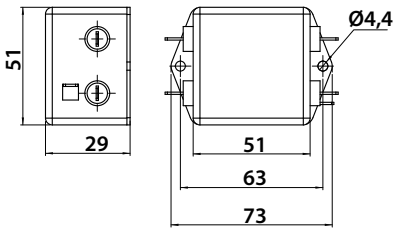
MSC03



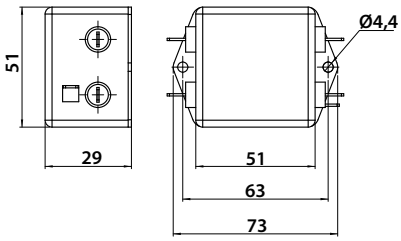
MSCB06



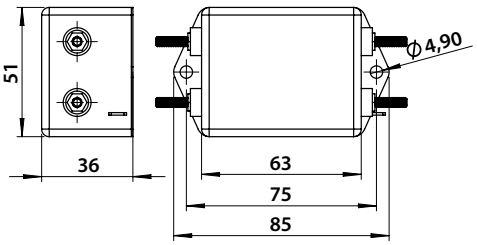
MSC10



MSC20



MSC30



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Monofase - Doppia cella

Questo filtro monofase a doppia cella fornisce interessanti livelli di attenuazione che arrivano anche a ca. 80 dB.
Su richiesta vengono realizzate serie speciali.

Single phase - Double stage

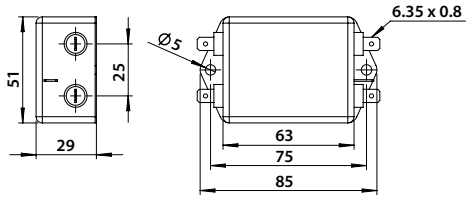
This double stage filter has interesting attenuation levels (up to approximately 80 dB).
Special versions available on request.

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

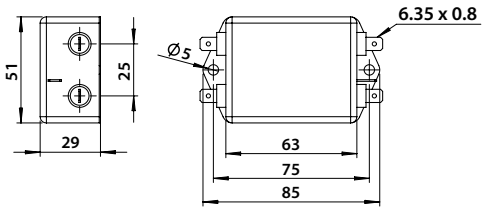
MODELLI ***Model List***	**Codice** *Code*	**Corrente nom. [A]** *Rated current*	**Tensione nom. [V]** *Rated voltage*	**L [mH]**	**C_x [µF]**	**C_y [nF]**	**R [MΩ]**	**Dimensioni** *Case size L x W x D*	**Peso** *Weight*
MDC03/250	23900MDC03	3	115/250	2x4+2x8	2x0.47	2x3.3	1.5	63 x 52 x 29 mm	15 g
MDC06/250	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	99 x 84 x 38 mm	630 g

DIMENSIONI [mm] - *Dimensions [mm]*

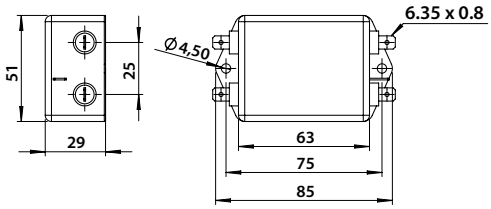
MDC03



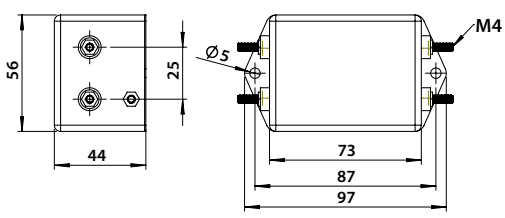
MDC06



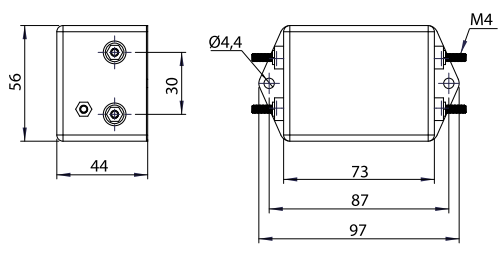
MDC10



MDC20



MDC30



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Trifase - Montaggio su guida DIN

Elevate caratteristiche di attenuazione (150kHz÷1MHz).
Morsettiera push-down rapida e facile.
Copertura di sicurezza.

Threephase DIN rail

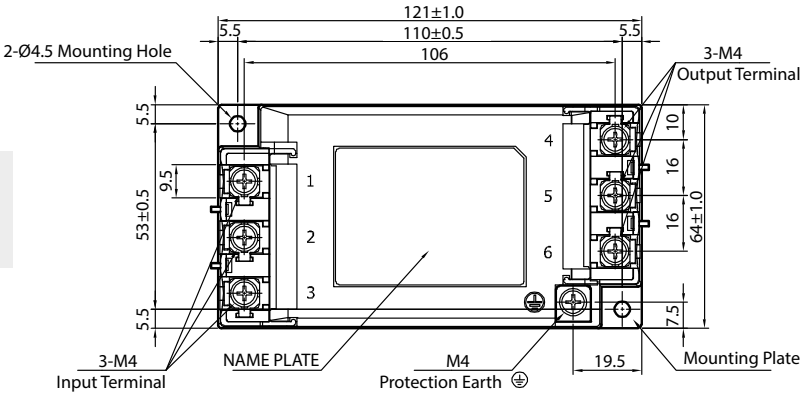
Good attenuation characteristics (150kHz÷1MHz).
Quick and easy push-down terminal block.
Safety cover.

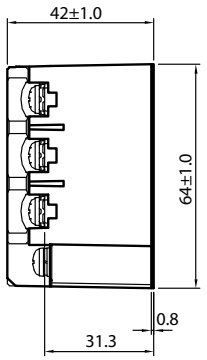
Corrente di fuga *Leakage current*	< 5.0 mA
Categoria climatica *Climatic category*	25/100/21

MODELLI *Model List*	**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*
TSCD06	2390TSCD06	6	500 max.	3x3.45	6x1.0	2x68	3x1	64 x 121 x 42 mm	320 g
TSCD10	2390TSCD10	10		3x0.86	6x1.0			64 x 121 x 42 mm	335 g
TSCD20	2390TSCD20	20		3x0.65	6x1.5			71 x 141 x 42 mm	485 g
TSCD30	2390TSCD30	30		3x0.36	6x1.5			71 x 141 x 42 mm	500 g

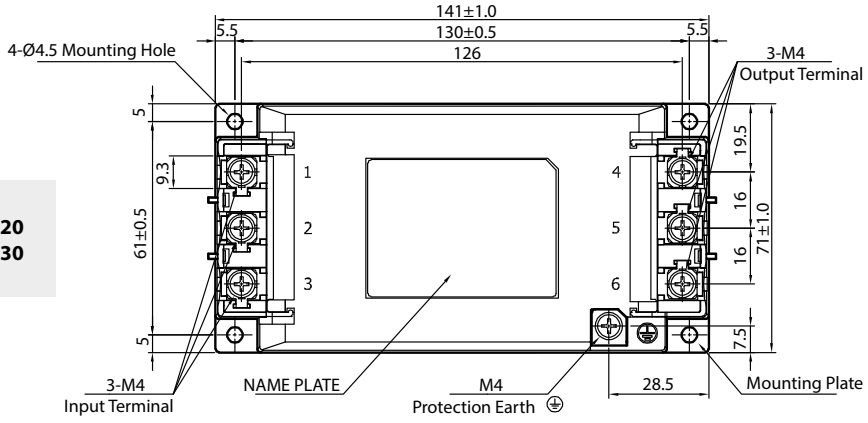
DIMENSIONI [mm] - *Dimensions [mm]*

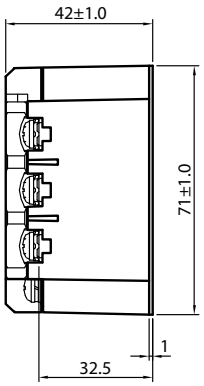
TSCD06
TSCD10





TSCD20
TSCD30





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TDCM

Trifase - Doppia cella a libro

Filtri per convertitori/inverter
Compatti, leggeri
Formato a libro
Correnti nominali da 10 a 120A
Alta attenuazione
Corrente di fuga di massimo 21mA @520Vac
(di ogni fase verso terra)

Threephase - Double stage bookshelf design

3 phase lters for drives/inverters
Compact, lightweight
Bookshelf design
10-120A current rating
High insertion loss
Leakage current 9mA max @520Vac (each line to ground)

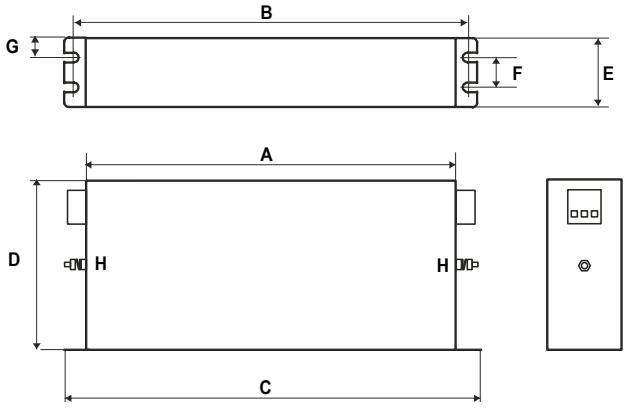
MODELLI *Model List*	**Codice** *Code*	**Corrente nom. rms [A]** *Rated current rms*	**Tensione nom. [V]** *Rated voltage*	**Capacità [µF]** *Capacitance*				**R [kΩ/W]**	**L1 [mH]**	**L2 [mH]**	**Sezione cavo max [mm²]** *Max section wire*	**Serraggio [mm]** *Tightening*	**Spelatura [mm]** *stripping length*
				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	3 x 520	1	1	1	0.027	680/1	3x0.6	3x0.6	16	1,2	17
TDCM75	2390TDCM75	75		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

*** no cURus**

SPECIFICHE TECNICHE - *Specifications*

Tensione d'ingresso - *Rated voltage*	300-520 Vac
Campo di frequenza - *Operating frequence*	50÷60 Hz
Temperatura operativa - *Operating temperature*	-25 / +85 °C con corrente nominale - *with rated current*
Corrente di fuga - *Leakage current*	max. 6 mA (@ 300 Vac), max. 9 mA (@ 520 Vac)
Categoria climatica - *Climatic category*	25/85/21(IEC 60068)
Tensione di prova AC (1 min.) - *Test voltage AC (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. - *4 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*	IP 20 secondo EN 60529 - *IP 20 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	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

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NETM

Trifase con neutro Doppia cella a libro

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

Threephase Double stage bookshelf design

*3 phase **with neutral** lters for drives/inverters*
Compact, lightweight
Bookshelf design
10-100A current rating
High insertion loss

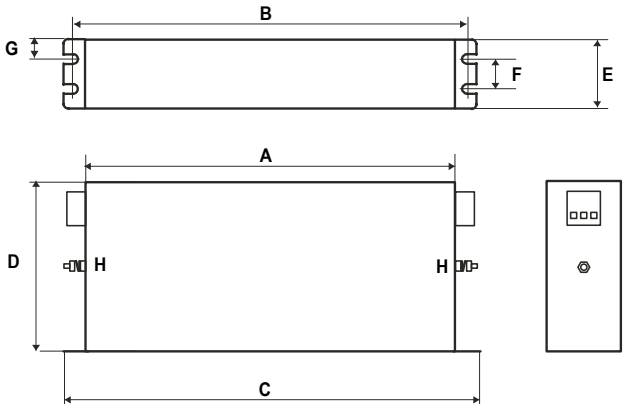
MODELLI *Model List*	**Codice** *Code*	**Corrente nom. rms [A]** *Rated current rms*	**Tensione nom. [V]** *Rated voltage*	**Capacità [µF]** *Capacitance*		**R [kΩ/W]**	**L1 [mH]**	**L2 [mH]**	**L3 [uH]**	**Ta* [C°]**	**Morsetto [mm²]** *Screw terminal*	**Corrente di fuga [mA]**** *Leakage current*
				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 - *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)
Tensione di prova AC (1 min.) - *Test voltage AC (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*	IP 20 secondo EN 60529 - *IP 20 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	135	7.2	M6

DTS-LINK

Interfacce di connessione */ Connection interfaces*

NEW

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 allow to link easily to the enclosure electronic systems, without having to open it. This feature maintain the enclosure protection rating and preserve it from potential malfunctions.

- *Modular design for keystone socket (Mod. M1xx), shuko 220V (Mod. M3SCx)*
- *Inside assembly, including screws*
- *Protection rating IP67*
- *Screw fastening safety door*
- *Wide space for label sticker 9x15mm, (code 2239000005)*

IP67 RoHS COMPLIANT CE

MODELLI *Model list*		**Moduli** *Plates nr.*	**Codice** *Code*	**Composizione prese** *Socket setting*	**Dimensioni** *Sizes*
	DTS-LINK3-EUU	3	2230003025	1x RJ45 Cat.6a, 2x USB2.0	75x101x28mm
	DTS-LINK3-EEU		2230003050	2x RJ45 Cat.6a, 1x USB 2.0	
	DTS-LINK3-SC0		2230003075	1x SHUKO	
	DTS-LINK4-SC0E	4	2230004025	1x SCHUKO 220V, 1x RJ45 Cat.6a	93x101x28mm
	DTS-LINK4-SC0U		2230004050	1x SCHUKO 220V, 1x USB2.0	
	DTS-LINK 4-EEUU		2230004075	2x RJ45 Cat.6a, 2x USB2.0	
	DTS-LINK6-SC0UUE	6	2230006025	1x SCHUKO 220V, 2x USB2.0, 1x RJ45 Cat.6a	124x101x28mm
	DTS-LINK6-EEUUFH		2230006050	3x RJ45 Cat6A, 1x USB2.0, 1x USB3.0, 1x HDMI	
	DTS-LINK8-SC0SC0UE	8	2230008025	2x SCHUKO 220V, 1x USB2.0, 1x RJ45 Cat.6a	160x101x28mm
	DTS-LINK8-SC0UUEEE		2230008050	1x SCHUKO 220V, 2x USB2.0, 3x RJ45 Cat.6a	

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DTS-LINK

Interfacce di connessione */ Connection interfaces*

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 codice 2239000005
Label sticker space (9x15mm) on request

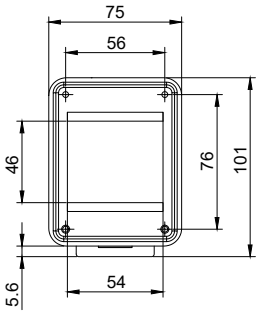
MODELLI *Model list*	**Codice** *Code*	**Descrizione** *Description*	**Confezione** *Packaging*	**Moduli occupati** *Plates nr.*
RJ45 Cat.5e f/f	2231000005	M1KA - Modulo con RJ45 Cat.5e f/f / *RJ45 Cat.5e Plate*	5	1
RJ45 Cat.6a f/f	2231000010	M1KE - Modulo con RJ45 Cat.6a f/f / *RJ45 Cat.6a Plate*	5	1
RJ45-90 Cat.5e f/f	2231000015	M1KI - Modulo con RJ45-90 Cat.5e f/f / *RJ45-90 Cat.5e 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
Targetta Adesiva	2239000005	Targhette adesive prefustellate 9x15 bianche in PVC *PVC label sticker 9x15*	1 foglio con 77 pz	-
Modulo singolo cieco	2239000025	M1C - Modulo singolo chiuso /*Single blind plate*	5	1
Modulo triplo cieco	2239000050	M3C - Modulo triplo chiuso / *Triple blind plate*	5	3

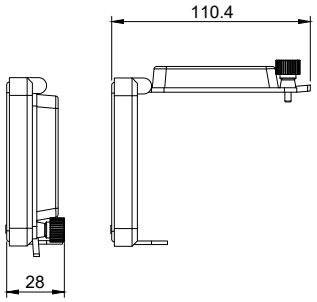
DTS-LINK

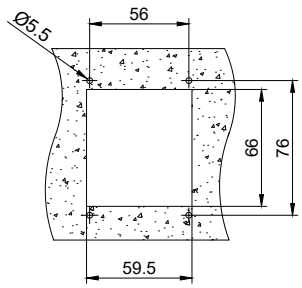
Interfacce di connessione */ Connection interfaces*

MODULI e ACCESSORI [mm] / *Insert plates [mm]*

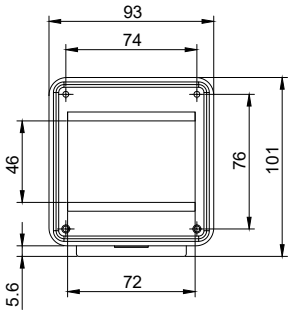
DTS-LINK 3

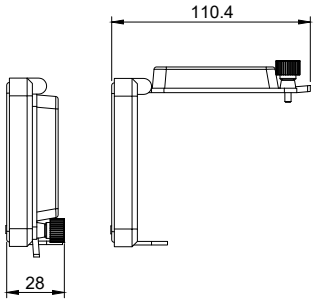


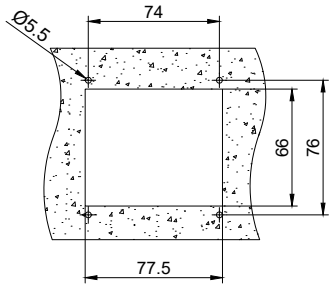




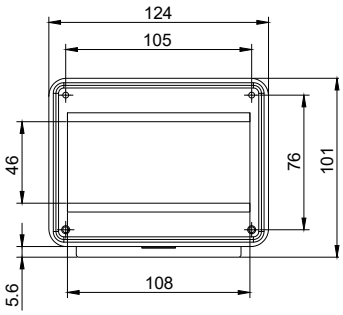
DTS-LINK 4

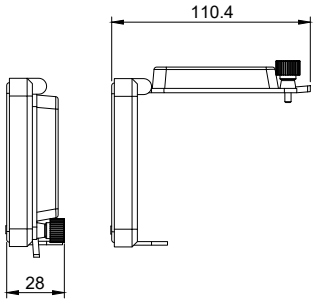


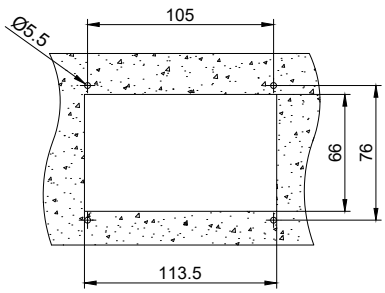




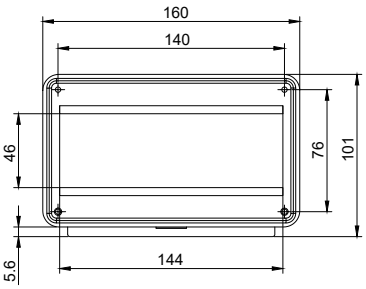
DTS-LINK 6

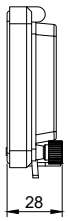


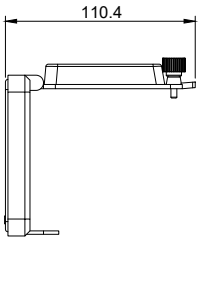


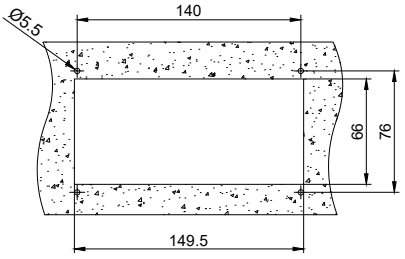


DTS-LINK 8









Prese di servizio a pannello ø 22

Panel mounting connectors ø 22 mm

Corpo in alluminio/plastica / *Aluminium/plastic body*
Tappo IP65 incluso / *IP65 cap included*

IP65 RoHS COMPLIANT CE

Specifiche tecniche / *Technical features*

Diametro foratura *Diameter cut-out*	Materiale *Material*	Spessore Lamiera *Panel thickness*	Temperatura operativa *Operative 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 ... +55°C	45-85%RH	>30MB/s	>100MB/s	10GBps (5A fast charging)

MODELLI *Model list*	**Tipo / fronte** *Type / front*	**Tipo / retro** *Type / back*	**Modello** *Model list*	**Codice** *Code*	**Descrizione** *Description*
	RJ45 Cat.6	RJ45 Cat.6	PS-P22MR45	4302212185	Presa a pannello RJ45 cat.6 plastica F/F *Panel RJ45 Cat.6 plastic connector F/F*
	USB 3.0	USB 3.0	PS-P22PU3	4302212110	Presa a pannello USB 3.0 plastica F/F *Panel USB 3.0 Cat.6 plastic connector F/F*
	USB-B	USB-A	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	USB 3.0	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	USB-Mini 2.0	PS-P22MMIU	4302212160	Presa a pannello USB-Mini F/M Metallo *Panel USB-Mini metal connector F/M*
	USB-Micro 2.0	USB-Micro 2.0	PS-P22MMOU	4302212170	Presa a pannello USB Micro F/M Metallo *Panel USB-Micro metal connector F/M*
	HDMI	HDMI	PS-P22MH	4302212190	Presa a pannello HDMI F/F Metallo *Panel HDMI metal connector F/F*
	2 x USB 2.0	2 x USB 2.0	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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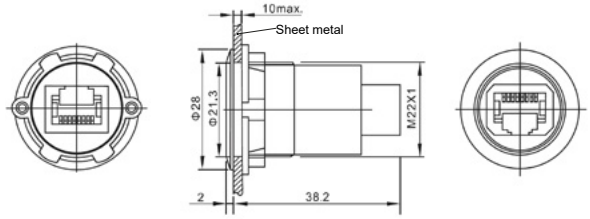
Prese di servizio a pannello ø 22

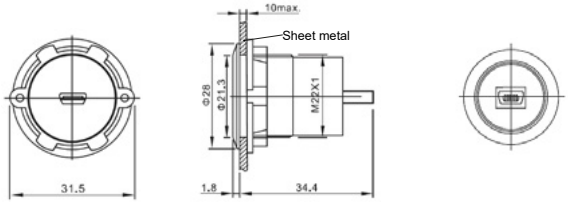
Panel mounting connectors ø 22 mm

Dimensionali e forature / *Dimensions and holes*

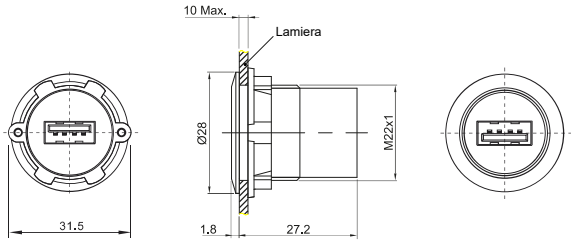
RJ45 Cat.6 - Mod. PS-P22MR45



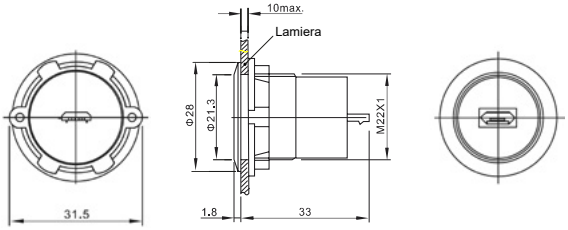
USB-Mini 2.0 - Mod. PS-P22MMIU



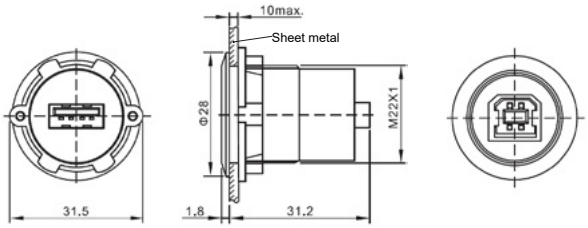
USB 3.0 - Mod. PS-P22PU3



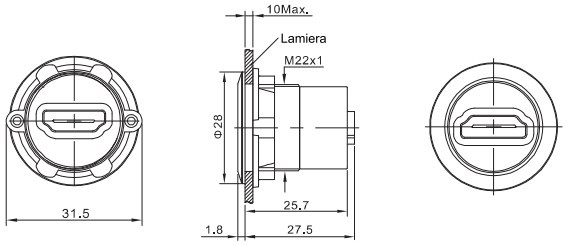
USB-Micro 2.0 - Mod. PS-P22MMOU



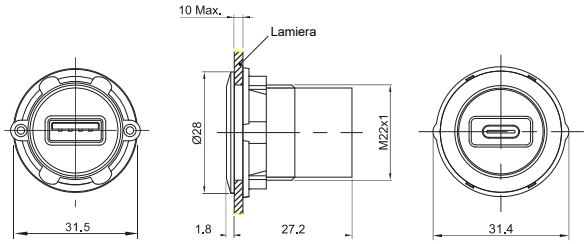
USB-B - Mod. PS-P22PUB



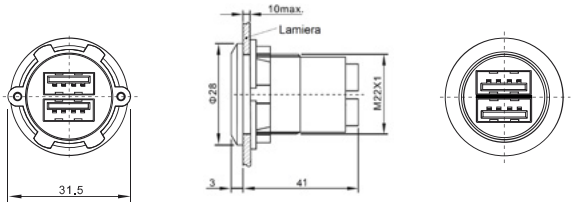
HDMI - Mod. PS-P22MH



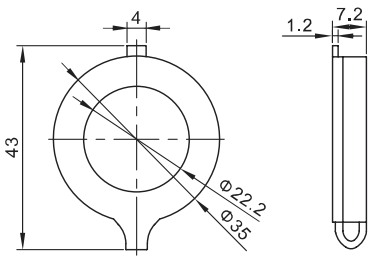
USB-C - Mod. PS-P22MUC



2 x USB 2.0 - Mod. PS-P22MU2X2



TAPPO IP65 - Mod. PS-T22IP65



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Prese di servizio a pannello ø 20 e 16

Panel mounting connectors ø 20 and 16 mm

NEW

Corpo in plastica / *Plastic body*
Tappo IP67 incluso / *IP67 cap included*

IP67 RoHS COMPLIANT CE

Specifiche tecniche / *Technical features*

Diametro foratura *Diameter cut-out*	Materiale *Material*	Spessore Lamiera *Panel thickness*	Temperatura operativa *Operative 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 ... +80°C	45-85%RH	>30MB/s	>100MB/s	10GBps (5A fast charging)

MODELLI *Model list*	**Tipo / fronte** *Type / front*	**Tipo / retro** *Type / back*	**Modello** *Model list*	**Codice** *Code*	**Descrizione** *Description*
	Femmina / *Female* RJ45	Femmina / *Female* RJ45	PS-P20MR45	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-P20MH	4302212490	Presa a pannello in plastica HDMI F/F *Panel HDMI plastic connector F/F*
	Femmina / *Female* USB-C	Maschio / *Male* USB-C	PS-P16MUC	4302212450	Presa a pannello in plastica USB-C F/F *Panel USB-C plastic connector F/F*

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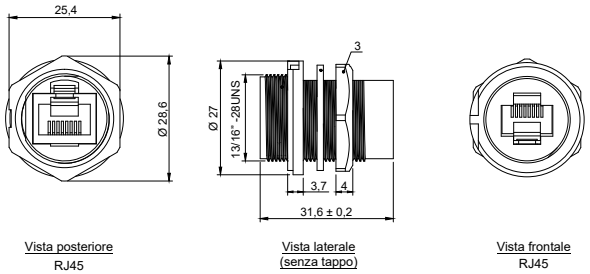
Prese di servizio a pannello ø 20 e 16

Panel mounting connectors ø 20 and 16 mm

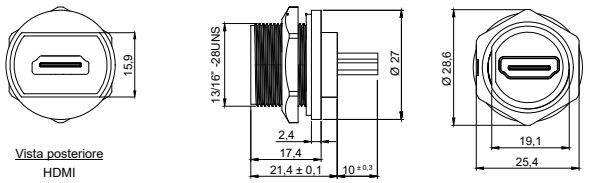
Dimensionali e forature / *Dimensions and holes*

RJ45 - Mod. PS-P20MR45



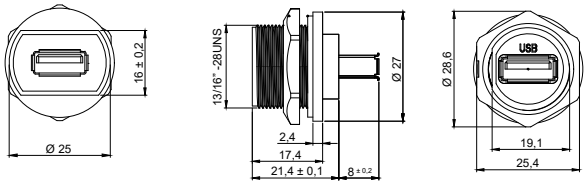
Vista posteriore RJ45 | Vista laterale (senza tappo) | Vista frontale RJ45

HDIM - Mod. PS-P20MH

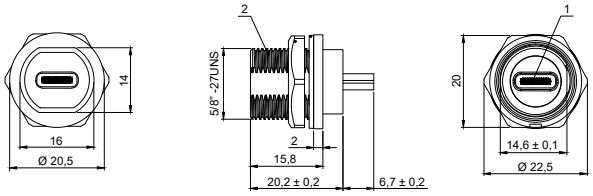


Vista posteriore HDMI

USB 3.0 - Mod. PS-P20PU3



USB-C - Mod. PS-P16MUC



Altri modelli (cablaggi, esecuzioni speciali, ecc.) su richiesta
Other models (wiring, special versions, etc.) on request

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Prese di servizio a pannello IP67

Panel mounting connectors IP67

IP66 IP67

Specifiche tecniche / *technical features*

Resistenza di contatto *Contact resistance*	< 30 mΩ
Resistenza alla tensione *Withstanding voltage*	500 V
Resistenza alla tensione *Insulation resistance*	> 550 mΩ
Durata *Durability*	> 500
Temperatura di lavoro *Working temperature*	-40 ... +80 °C
Materiale contatti *Contacts material*	Cu
Materiale corpo *Body material*	PVC
Grado di infiammabilità *Flammability rating*	UL94-V0

- Prese di servizio da pannello con cavi dedicati per una connessione IP66/67.
- Cablaggio facile ed immediato grazie ai connettori femmina/femmina per una estrema libertà sulle lunghezze dei cavi da collegare.
- Incluso di tappo di chiusura con aggancio rapido, per una protezione fino a IP67 con e senza cavo.
- Sono disponibili i cavi connettorizzati (connettore a cablare per la versione RJ45) con aggancio rapido per mantenere un elevata protezione anche con cavo collegato.

- *Independent service outlets from panel, simple installation without the need for tools.*
- *Easy and immediate wiring thanks to the female / female connectors for extreme freedom on the length of the cables to be connected.*
- *Including closing cap with quick coupling, for protection up to IP67.*
- *The connector for the flying cable (to be wired for the RJ45 version) with quick coupling is available to maintain high protection (IP67) even with the cable connected.*

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Prese di servizio a pannello IP67

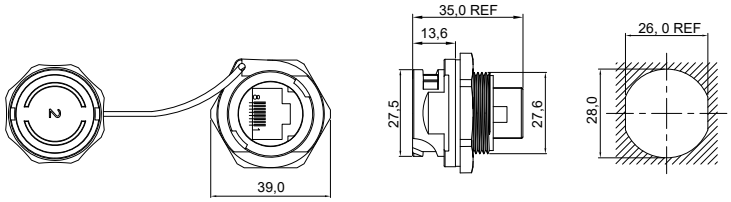
Panel mounting connectors IP67

Prese a pannello *Panel sockets*	**RJ45**		**USB2.0**		**USB3.0**		**HDMI**	
Tipo *Type*	Presa a Pannello *Panel socket*	Cavo/ Connettore *Cable/Plug*	Presa a Pannello *Panel socket*	Cavo/ Connettore *Cable/Plug*	Presa a Pannello *Panel socket*	Cavo/ Connettore *Cable/Plug*	Presa a Pannello *Panel socket*	Cavo/ Connettore *Cable/Plug*
Codice *Code*	4302212280	4302212270	4302212230	4302212240	4302212210	4302212220	4302212250	4302212260
Modello *Model*	PS-P27PR45	PS-C27PR45	PS-P27PU2	PS-C27PU210	PS-P27PU3	PS-C27U310	PS-P27PH	PS-C27PH
Corrente nominale *Current rating*	1,2 A		0,5 A		1,0 A		0,5 A	
Tensione nominale *Voltage rating*	42 V		5 V		5 V		5 V	
Tipo di montaggio *Mounting*	Frontale / *Front*		Retro / *Rear*		Retro / *Rear*		Retro / *Rear*	
Sezione cavo *Wire gauge*	0,15~0,2 mm² / 26-24AWG		0,15~0,2 mm² / 26-24AWG		0,15~0,2 mm² / 26-24AWG		0,15~0,2 mm² / 26-24AWG	
Lunghezza cavo [m] *Cable length*	-	Adatto a cavi standard / *Suitable for standard cables*	-	1 m	-	1 m	-	3 m
Classe di protezione *Protection class*	IP67 con tappo o cavo dedicato / *ip67 only with cap or proper cable*							
Attacco *Termination*	Rapido a baionetta 1/4 *1/4 quick bayonet connection*						A spinta con gancio di tenuta *Push-in with retaining hook*	

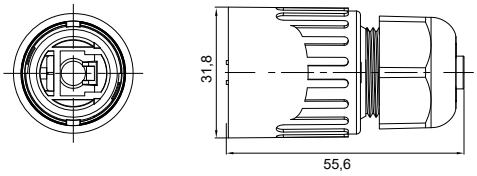
DIMENSIONI E FORATURE (mm) - *Dimensions and Cut-Out (mm)*

RJ45

Mod. PS-P27PR45

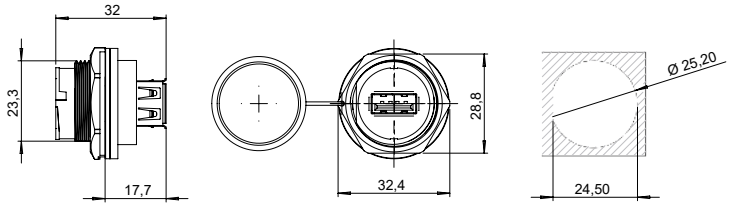


RJ45 - Mod. PS-C27PR45

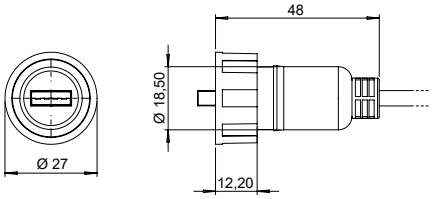


USB 2.0 / USB 3.0

PS-P27PU2 / PS-P27PU3

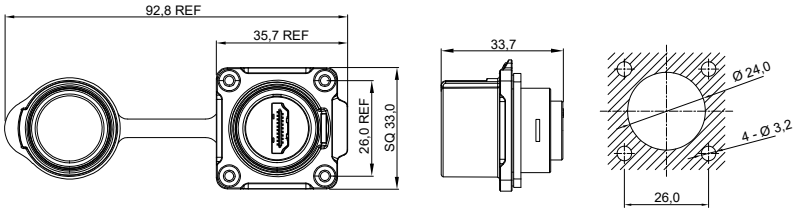


PS-C27PU210 / PS-C27U310

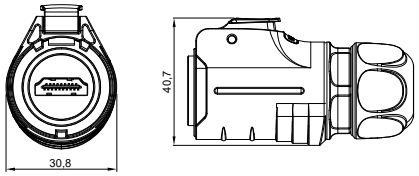


HDMI

PS-P27PH



PS-C27PH



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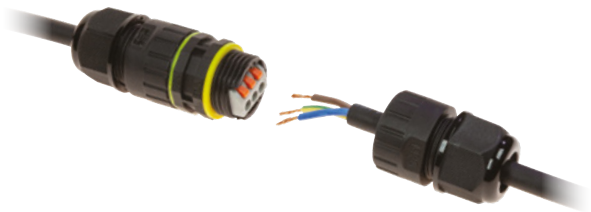
Giunti di connessione IP67/68

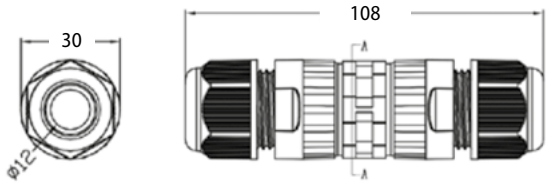
Junction connectors IP67/68



IP68 RoHS COMPLIANT CE

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

Dimensioni [mm] / *Dimensions*

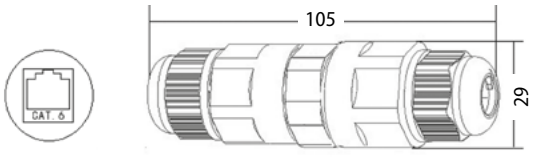


Giunto per cavo ***Junction for cable***	**Codice** *Code*	**Nr. poli** *Poles nr.*	**Tensione nom.** *Voltage rating*	**Corrente nom.** *Current rating*	**Sezione cavo** *Wire section*	**ø min. cavo** *Min. wire size*
Giunto di connessione IP68 con morsetto tripolare *IP68 junction connector with three-pole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

IP67 RoHS COMPLIANT CE

Materiale custodia / *Housing Material*	PA66
Anello impermeabile / *Waterproof O-ring*	Silicone
Temperatura operativa / *Temperature rating*	-40 ... +85°C
Infiammabilità / *Fire Rating*	UL94-V2
Filettaura / *Thread*	M22x1,5

Dimensioni [mm] / *Dimensions*



Giunto per cavo ethernet RJ45 F/F ***Junction for ethernet cable RJ45***	**Codice** *Code*	**Categoria** *Category*	**ø max. cavo** *Max. wire size*
Giunto di connessione IP67 femmina/femmina per RJ45 *Junction connector IP67 female/female RJ45*	4302212050	cat. 6	6,5 mm

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ESN

Ethernet Switch Industriali / *Industrial Ethernet Switches*

5 Porte / *Ports* **8 Porte** / *Ports* **16 Porte** / *Ports*

Versioni con PoE a richiesta */ Versions with PoE on request*

MODELLI / ***Model list***	**10/100 MBits**		
	ESN5010	**ESN8010**	**ESN16010**
Codice	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*	Installazione 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	P1/P2, OPT	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)	31x91x118 mm	46x104x143 mm	48x104x143 mm
Peso */Weight*	0,36 kg	0,55 kg	0,8 kg
Temperatura operativa *Operating temperature*	-30/+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		

ESN

Ethernet Switch Industriali / *Industrial Ethernet Switches*

MODELLI / ***Model list***	**1 Gigabit**		
	ESN5100	**ESN8100**	**ESN16100**
Codice	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*	Installazione 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)	31x91x118 mm	48x104x143 mm	48x104x143 mm
Peso / *Weight*	0,4 kg	0,5 kg	0,8 kg
Temperatura operativa / *Operating temperature*	-30/+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	LEGACY (Standard & Non-standard PoE)
3 VLAN	Port Isolation
4 BSR	Storm Control Configuration

ESN5100-DIP Switch	
1 LFP	LFP/ Remote PD Reset
2 LGY	LEGACY (Standard & Non-standard PoE)
3 VLAN	Port Isolation
4 RST	Reset

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

ESN

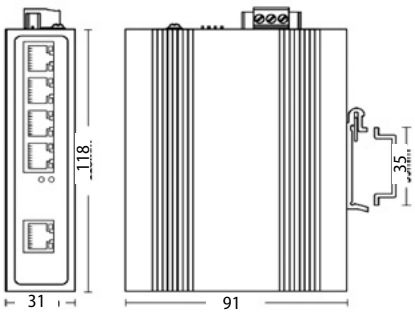
Ethernet Switch Industriali / *Industrial Ethernet Switches*

NEW

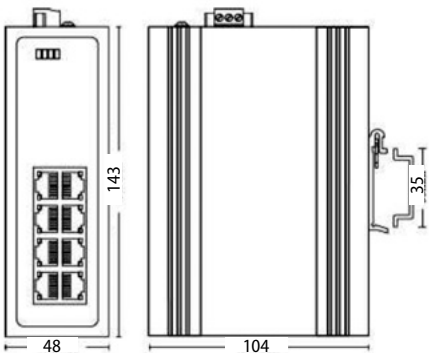
MODELLI / ***Model list***	**10/100 MBits con PoE with PoE**	
	ESN5102	**ESN8102**
Codice	3280050104	3280080104
Tipo switch / *Switch type*	Unmanaged industrial switches	
Porte / *Ports*	5*10/100 Base-TX	8*10/100 Base-TX
Protezione / *Protection*	IP40	
Installazione / *Setting*	Installazione guida DIN / *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	
Consumo energetico totale / *Total power consumption*	A pieno carico <126 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
Protocolli PoE / *PoE Protocol*	802.3af/802.3at	
Pin assegnati / *Pin Assignment*	1, 2, 3, 6	
Dimensioni / *Dimensions* (W×H×D)	48x104x143 mm	
Peso / *Weight*	0,4 kg	0,5 kg
Temperatura operativa / *Operating temperature*	-30/+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*

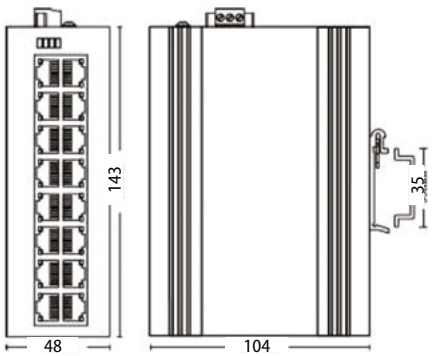
ESN5010 - 5*10/100 base-T
ESN5100 - 5*10/100/1000 base-T



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



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



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Cavi di connessione dati RJ45

RJ45 data connection cables

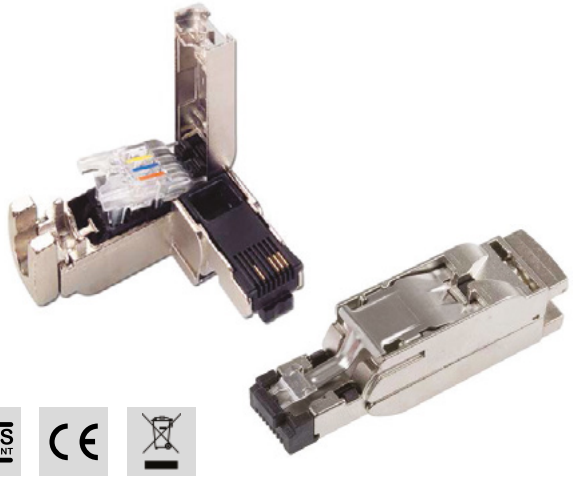
- Cavo Ethernet, RJ45 Maschio diritto - RJ45 maschio diritto
- Categoria 6A - Standard 10GBASE-T (velocità 10 Gbit, frequenza 500 MHz)
- 8 poli con contatti dorati
- Conduttore 100% Rame - 4× 2× AWG26
- Cavo schermato S/FTP (doppia schermatura)
- Guaina LS0H (Low Smoke zero Halogen) per uso industriale
- 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 blu version)*

DESCRIZIONE *Description*	**Lunghezza** *Length*	**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	

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 -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*
- *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	56 x 13,7 x 15,9
4100000002	90° (angolare) / *angled version*	4	Cat. 5e - 10/100 Base - T	43,5 x 40,1 x 16,2
4100000003	180° (dritto) / *straight version*	8	Cat. 6 - 1000 Base - TX	56 x 13,7 x 15,9

Connettori M8

M8 connectors

Scannerizza il QR e invia la tua richiesta di offerta
Scan the QR code and send your offer request

RoHS COMPLIANT · CE · **IP67**

Connettori circolari miniaturizzati con chiusura a vite
Ampia gamma di connettori metrici M8 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 (metallo a richiesta)
- Custodia in metallo con schermatura EMI a 360°
- Disponibili a 3 e 4 poli (altre piedinature a richiesta per quantità)
- Grado di protezione IP67
- Omologati secondo IEC 61076-2-104

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

- *3 types available: moulded, field-wireable and front mounting connectors*
- *Plastic shells (metal on request)*
- *Metal housing with 360° EMI shielding*
- *3 and 4 contacts are available (5, 6, 8 contacts on request for quantity)*
- *Degree of protection IP67*
- *Products comply with IEC 61076-2-104 standard*

SPECIFICHE TECNICHE - *Specifications*	
Resistenza di contatto */ Contact impedance*	≤5 mΩ
Resistenza di isolamento */ Insulation impedance*	>100 MΩ
Grado di inquinamento */ Pollution degree*	3
Intervallo di temperatura */ Temperature range*	-25 / +80°C
Grado di protezione */ Ingress protection rating*	IP67 quando accoppiato */ when mated*
Cicli di montaggio */ 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
Materiale del connettore */ Material of outer shell*	PVC
Norma IEC */ IEC standard*	IEC 61076-2-104

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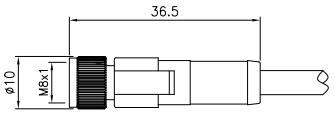
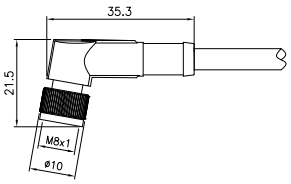
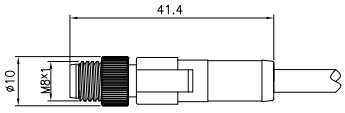
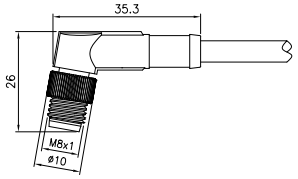
Connettori M8 precablati

M8 moulded connectors

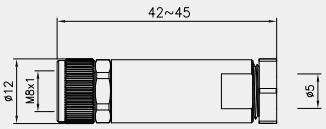
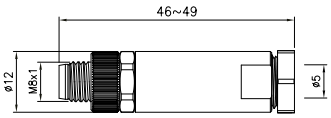
Connettori M8 precablati / *M8 moulded connectors*

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** *Dimensions*
 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*

Connettori M8 a cablare

M8 field-wireable connectors

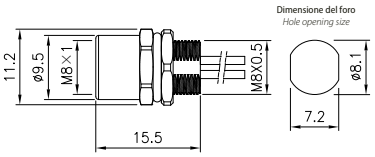
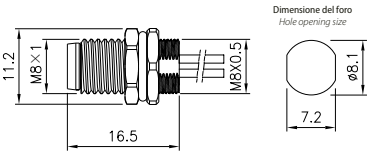
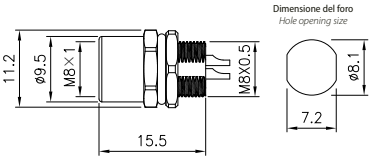
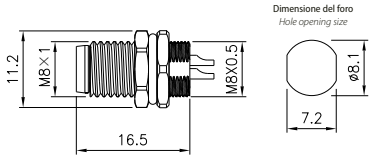
Connettori M8 a cablare */ M8 field-wireable connectors*				
Codifica: A *Coding: A* Cablaggio a vite *Screw connection*	**Pin**	**Modello** *Model*	**Codice** *Code*	**Dimensioni** *Dimensions*
 180° Femmina / *Female*	3	DA08FD03CVB	433Z21331X	
	4	DA08FD04CVB	4331000750	
 180° Maschio / *Male*	3	DA08MD03CVB	4331001750	
	4	DA08MD04CVB	433Z21141X	

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

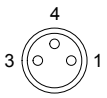
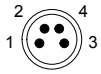
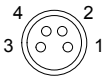
Connettori M8 a pannello

M8 front mounting 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** *Dimensions*
 Femmina / *Female*	3	DA08FD03FF30	433Z31337X	
	4	DA08FD04FF30	433Z31347X	
 Maschio / *Male*	3	DA08MD03FF30	433Z31137X	
	4	DA08MD04FF30	433Z31147X	
A saldare / *Wire solder*	**Pin**	**Modello** *Model*	**Codice** *Code*	**Dimensioni** *Dimensions*
 Femmina / *Female*	3	DA08FD03FS	433Z31335X	
	4	DA08FD04FS	433Z31345X	
 Maschio / *Male*	3	DA08MD03FS	433Z31135X	
	4	DA08MD04FS	433Z31145X	

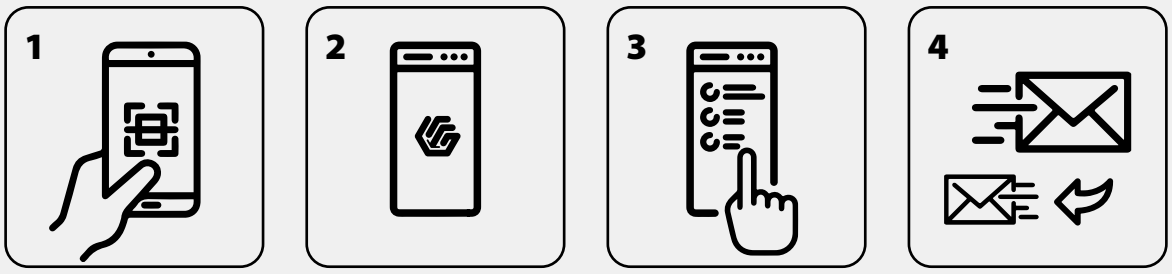
Connettori M8 - PARAMETRI ELETTRICI
Connectors - Electrical parameters

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	0,25	
4		3A	60V	60V	24	0,25	

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	

Come usare il codice QR / *How to use the QR code*



Scannerizza il codice QR
Scan the QR code

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Connettori M12

M12 connectors

Scannerizza il QR e invia la tua richiesta di offerta
Scan the QR code and send your offer request

RoHS COMPLIANT · CE · IP67

Connettori circolari secondo lo standard IEC 61076-2-101
Ampia gamma di connettori metrici M12 per sensori e attuatori. Schermati e fino a IP67, questi connettori sono ideali per le reti di controllo industriali, per una vasta gamma di dispositivi.

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

Circular connectors IEC 61076-2-101 standard complied.
Wide range of metric M12 connectors for small sensors and actuators. Shielded and IP-rated to IP67, these connectors are ideally suited for industrial control networks, where small sensors are required.

- *3 types available: moulded, field-wireable and front mounting connectors*
- *Plastic shells (metal on request)*
- *Metal housing with 360° EMI shielding*
- *Available with 4, 5 and 8 poles (other pinouts on request- min qty)*
- *Degree of protection IP67*
- *Products comply with IEC 61076-2-104 standard*

SPECIFICHE TECNICHE - *Specifications*	
Resistenza di contatto */Contact resistance*	≤ 5 mΩ
Resistenza di isolamento */Insulation resistance*	100 MΩ
Grado di inquinamento */Pollution degree*	3
Intervallo di temperatura */Temperature range*	-25 / +80°C
Grado di protezione */Ingress protection rating*	IP67 quando accoppiato */when mated*
Tempi di funzionamento */Operation times*	> 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'inserto di contatto *Material of contact insert*	PA + GF
Materiale del guscio esterno */Material of outer shell*	PVC
Norma IEC */IEC standard*	IEC 61076-2-101

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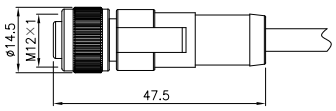
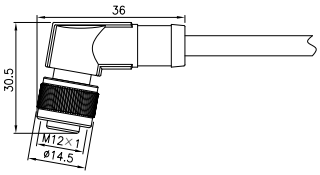
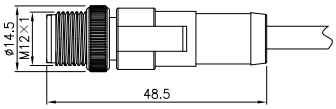
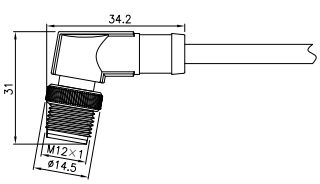
Connettori M12 precablati

M12 moulded connectors

Connettori M12 precablati / *M12 moulded connectors*

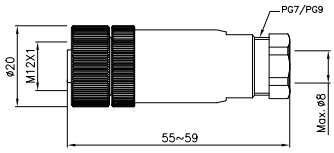
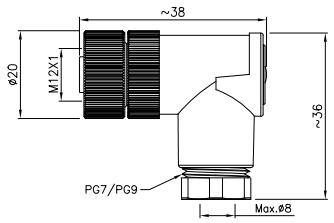
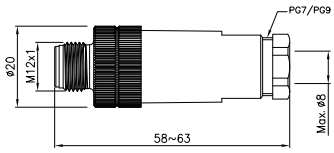
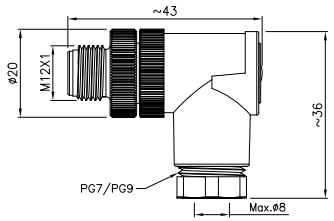
Codifica: A *Coding: A* Materiale cavo: PVC *Cable material: PVC* Colore cavo e connettore: nero *Cable and connector colour: black*	**Pin**	**Lunghezza cavo [m]** *Cable lenght*	**Modello** *Model*	**Codice** *Code*	**Dimensioni** *Dimensions*
 180° Femmina / *Female*	4	2	DA12FD04BFX302	433Z11342X	
		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*

Connettori M12 a cablare

M12 field-wireable 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** *Dimensions*
 180° Femmina / *Female*	PG7	3	DA12FD04CV7B	4331006022	
		5	DA12FD05CV7B	4331006025	
		8	DA12FD08CV7B	433Z22381X	
	PG9	3	DA12FD04CV9B	4331006005	
		5	DA12FD05CV9B	4331006015	
		8	DA12FD08CV9B	433Z223811	
 90° Femmina / *Female*	PG7	3	DA12FA04CV7B	433Z22441X	
		5	DA12FA05CV7B	433Z22451X	
		8	DA12FA08CV7B	433Z22481X	
	PG9	3	DA12FA04CV9B	433Z224411	
		5	DA12FA05CV9B	433Z224511	
		8	DA12FA08CV9B	433Z224811	
 180° Maschio / *Male*	PG7	3	DA12MD04CV7B	433Z22141X	
		5	DA12MD05CV7B	4331006030	
		8	DA12MD08CV7B	433Z22181X	
	PG9	3	DA12MD04CV9B	4331006010	
		5	DA12MD05CV9B	4331006020	
		8	DA12MD08CV9B	4331006748	
 90° Maschio / *Male*	PG7	3	DA12MA04CV7B	433Z22241X	
		5	DA12MA05CV7B	433Z22251X	
		8	DA12MA08CV7B	433Z22281X	
	PG9	3	DA12MA04CV9B	433Z222411	
		5	DA12MA05CV9B	433Z222511	
		8	DA12MA08CV9B	433Z222811	

Altri modelli su richiesta / *Other models on request*

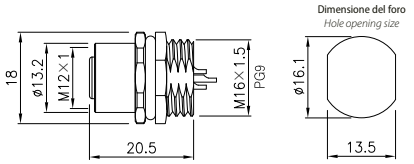
Connettori M12 a pannello

M12 front mounting connectors

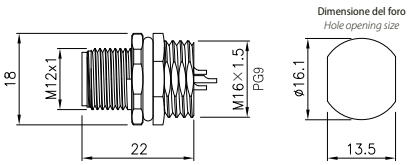
Connettori M12 a pannello / *M12 front mounting connectors*

Codifica: A
Coding: A
Montaggio frontale
Front mounting

Fili uscenti 300 mm /
With wires 300 mm

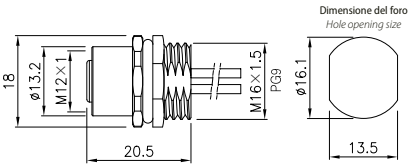
Pin	Modello *Model*	Codice *Code*	Dimensioni *Dimensions*
4	DA12FD04FF30	433Z32347X	
5	DA12FD05FF30	433Z32357X	
8	DA12FD08FF30	433Z32387X	

Femmina / *Female*

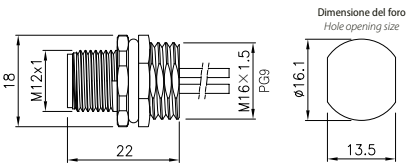
Pin	Modello *Model*	Codice *Code*	Dimensioni *Dimensions*
4	DA12MD04FF30	433Z32147X	
5	DA12MD05FF30	433Z32157X	
8	DA12MD08FF30	433Z32187X	

Maschio / *Male*

A saldare / *Wire solder*

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

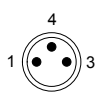
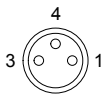
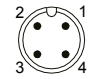
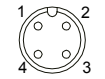
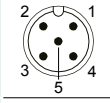
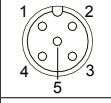
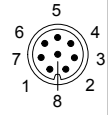
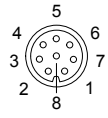
Femmina / *Female*

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

Maschio / *Male*

Altri modelli su richiesta / *Other models on request*

Connettori M12 - PARAMETRI ELETTRICI
Connectors - Electrical parameters

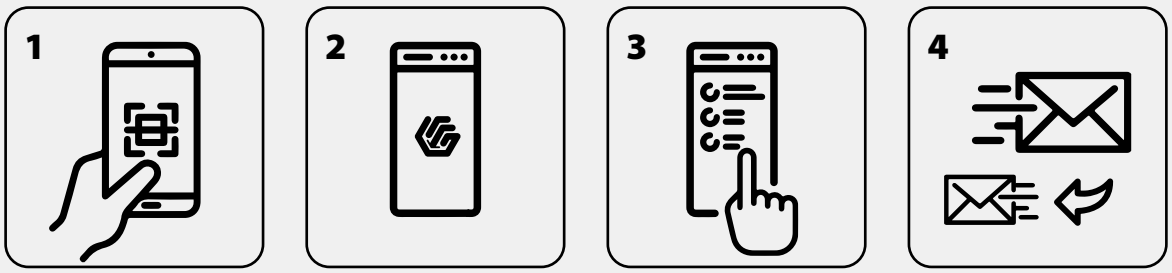
Pin	Maschio / *Male*			Corrente nominale *Rated current*	Tensione nominale *Rated voltage*		dimensione del conduttore *Conductor size*		Femmina / *Female*		
	A	B	D		A/C	D/C	AWG	mm²	A	B	D
3				3A	60V	60V	24	0,25			
4				3A	60V	60V	24	0,25			
5				3A	30V	30V	24	0,25			
8				1.5A	30V	30V	26	0,14			

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
		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

Come usare il codice QR / *How to use the QR code*



Scannerizza il codice QR
Scan the QR code

Accedi al nuovo tool Detasultra
Access the new Detasultra tool

Fai una lista dei componenti
Make a component list

Invia e ricevi il preventivo
Send and you will receive the quote

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PRESSACAVI INOX

Stainless steel cable glands

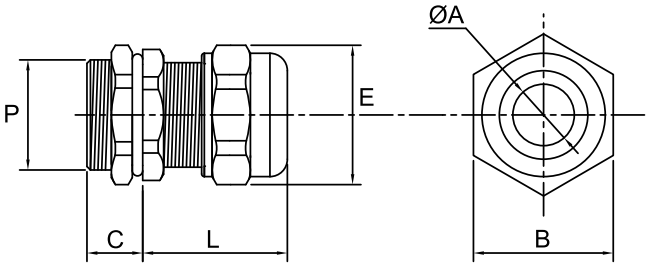
NEW

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

Altri modelli e dimensioni su richiesta
Disponibile versione con valvola VENT

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

Additional models or sizes on request
Available with VENT valve



IP68 RoHS COMPLIANT CE

Codice *Code*	**Foro di fissaggio** *Panel hole* **[mm]**	**P [mm]**	**A ø cavo** *A cable ø* **[mm]**	**B [mm]**	**E [mm]**	**C [mm]**	**L min - max [mm]**
60000SSM17	16,2	M16x1,5	4 - 8	20	23	7	20-25
60000SSM21	20,5	M20x1,5	6 - 12	24	27	8	20-27
60000SSM26	25,4	M25x1,5	10 - 16	29	32	8	24-30
60000SSM27	25,4	M25x1,5	13 - 18	29	32	8	24-30
60000SSM33	32,5	M32x1,5	15 - 22	36	40	9	27-34
60000SSM41	40,5	M40x1,5	22 - 30	45	50	9	34-42

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DTS-BLOCK1

Blocchi di distribuzione - unipolari - compatti

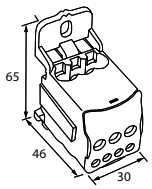
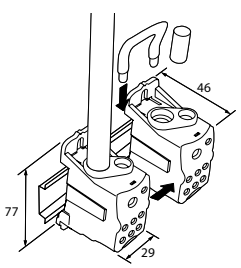
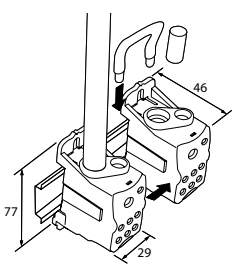
- Risparmio di spazio: compatto.
- Blocco di rame stagnato: alta conduttività.
- Protezione IP 20 / UL salvadita: maggiore sicurezza.
- Cavo di fissaggio diametro vite >95% rapporto. di riempimento: eccellente contatto elettrico, collegamenti sicuri.
- Controllo visivo del cavo: conferma di connessione.
- Copertura incernierata o rimovibile: facile cablaggio.
- Clip-on guida DIN o montaggio a pannello con viti: facile fissaggio.

Distribution terminal blocks - single pole- compact

- *Space saving: compact.*
- *Tinned copper block: high conductivity.*
- *IP 20 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.*

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

LEGENDA:
ingressi / *input*
uscite / *output*

MODELLI *Model list*		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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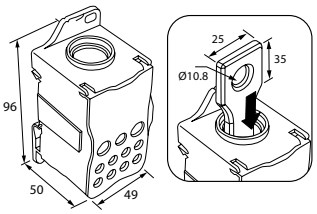
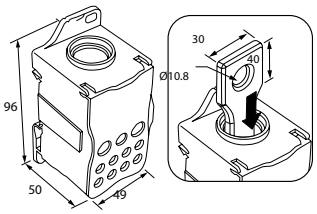
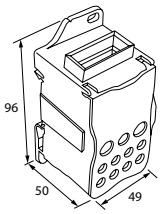
MODELLI *Model list*		**LK-250A**			**LK-400A**			**LK-500A**		
Codice / *Code*		2210000250			2210000400			2210000500		
Max corrente nominale *Max current rating*	IEC	250 A			400 A			500 A		
	UL	255 A			335 A			520 A		
Corrente nominale di breve durata *Short term withstand current*	(Icw) 1s	24.5 kA			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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DTS-LED 30/50/70

Torrette di segnalazione a LED Ø 30, 50 e 70 mm
Alimentazione 12-24 VDC
Sistema modulare, componibile fino a 5 moduli
Elevato grado di protezione (IP65 con guarnizione)
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
Supporto in policarbonato
Lente ABS
Basi 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
Modular design, composable up to 5 modules
High IP protection (IP65 with gasket)
Steady light (intermittent with selector)
High light intensity up to 18 LED each module
Buzzer frequency 60~80 min.
Standard sound module volume 80 dB at 1 m,
high-intensity version 110 dB at 1 m
Polycarbonate base
ABS lens
Aluminum support
High resistance to aggressive agents
RoHS and EN 60073, EN 60947 compliant.

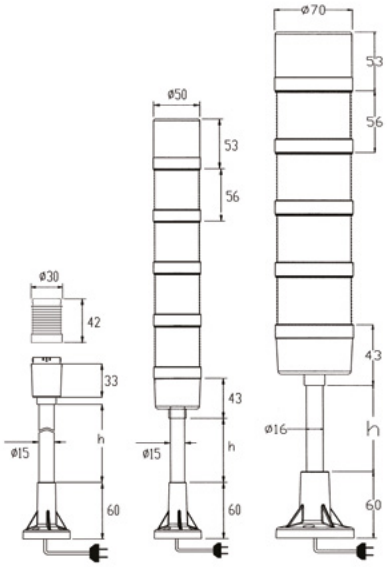
MODULO *Module*		DTS-LED 30 Codice *Code*	DTS-LED 50 Codice *Code*	DTS-LED 70 Codice *Code*	Alimentazione *Input voltage*	Assorbimento *Current draw* [mA] *nominal/max @24V*	Intensità sonora *Sound intensity* [dB]
1	sonoro / *buzzer*	-	3475080245	3477080245	12/24 VDC	15~20 / 30	80
2	sonoro alta intensità *high intensity buzzer*	-	-	3477070245		150~200 / 300	110

MODULO *Module*		DTS-LED 30 Codice *Code*	DTS-LED 50 Codice *Code*	DTS-LED 70 Codice *Code*	Alimentazione *Input voltage*	Assorbimento *Current draw* [mA] *nominal/max @24V*	Intensità luminosa *Luminous intensity* [mcd]
3	rosso - *red*	3473120245	3475020245	3477020245	12/24 VDC	35~45 / 80	4000
4	giallo - *yellow*	3473140245	3475040245	3477040245			
5	verde - *green*	3473130245	3475030245	3477030245			
6	bianco - *white*	3473110245	3475010245	3477010245			
7	blu - *blue*	3473150245	3475050245	3477050245			

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

IP65 -25 +50 °C RoHS COMPLIANT

Dimensioni / *Dimensions*



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DTS-LED 70 LC

DTS-LED 70 LC3

DTS-LED 70 LC4

DTS-LED 70 LC5

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

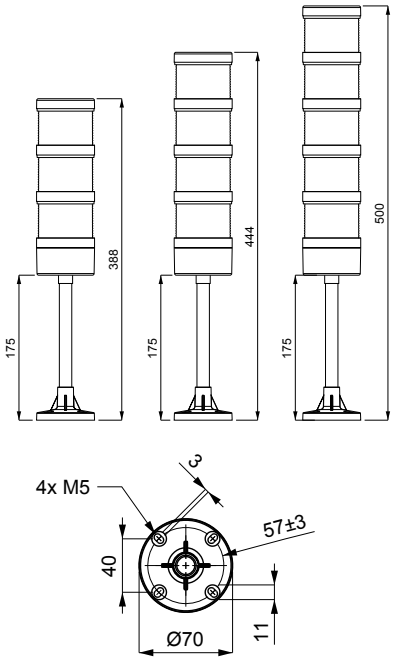
Materiali: corpo in ABS + lenti in PC
Base di fissaggio con stelo di 165 mm
Grado di protezione: IP53
Linea comune sia PNP che NPN
Tensione di alimentazione 24 VDC
Temperatura di lavoro -20~45°C
Lunghezza cavo: 0,75 m

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

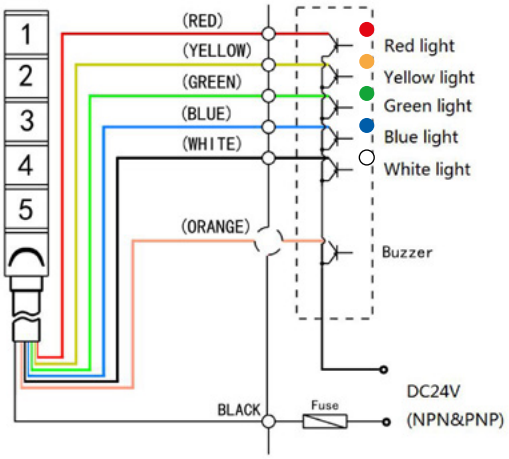
Materials: ABS body + PC lenses
Mounting base with 165 mm pole
IP rating: IP53
Connection type: PNP and NPN
Input voltage 24 VDC
Working temperature -20 ~ 45°C
Cable length: 0,75 m

Dimensioni / *Dimensions*



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 *Model List*	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 Q80

DTS-LED Q80L

DTS-LED Q80LP

DTS-LED Q80LW

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 e sistema di distribuzione diretta della luce LED.
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 and direct LED light distribution system.
Built-in switch for steady and flashing light function mode.

RoHS COMPLIANT · UL · CE · IP65 · -30 +50 °C

MODELLI *Model List*	**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 157 mm	180 g
DTS-LED Q80LW-BZ-12/24-R	3479802423			🔴		
DTS-LED Q80LW-BZ-12/24-A	3479802424			🟠		

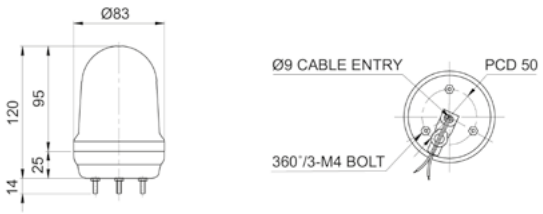
Grado di protezione / *Protection level*	IP65
Temperatura operativa / *Operating temperature*	-30°C ... +50°C
Frequenza lampeggio / *Flashing rate*	60-80/min.
Volume buzzer / *Buzzer volume*	max 80 db @ 1 m
Altri colori disponibili per quantitativi minimi d'acquisto / *Other colours available for minimum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

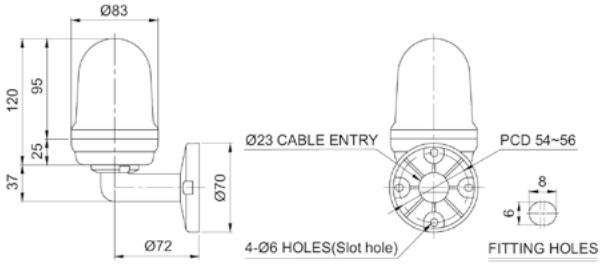
Staffe di montaggio disponibili per quantitativi minimi d'acquisto
Mounting brackets available for minimum quantity order.

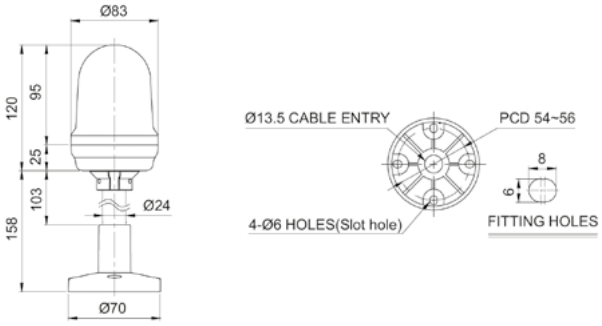
Standard	**QZ24**	**SZ24**
Acciaio / *Steel*		PC

SL24	**QLA24**
Al	PC

Dimensioni / *Dimensions*

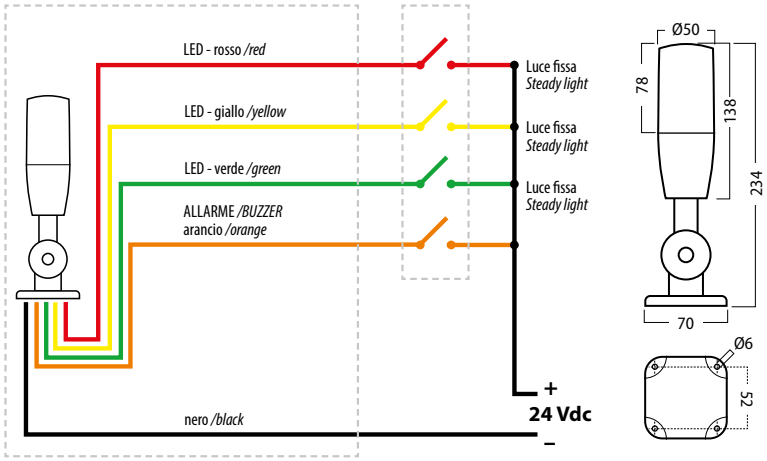






DTS-LED 50 MULTI BAT2

Grado di protezione / *Protection level*	IP53
Durata / *Lifespan*	50000 h
Lunghezza cavo / *cable length*	3 m
Colori dei LED / *LED colors*	rosso, giallo, verde + allarme *red, yellow, green + buzzer*
Funzioni / *Functions*	rosso fisso, bz intermittente / *red steady, bz intermittent*

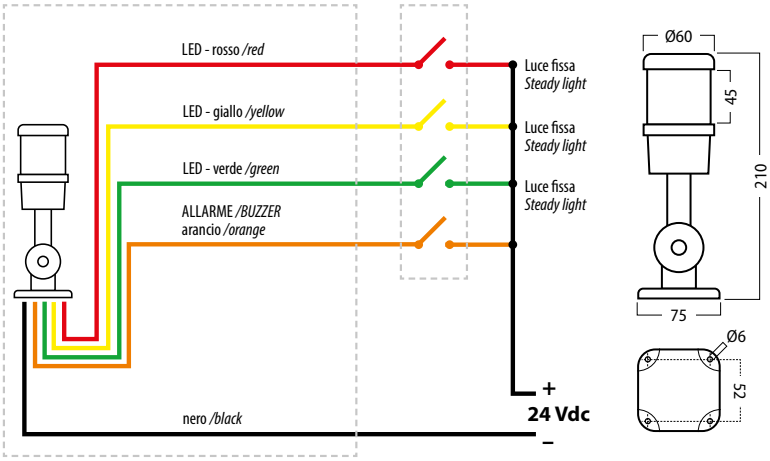


MODELLI *Model List*	Codice *Code*	Assorbimento *Power cons.*	Tensione d'ingresso *Input voltage*	Fascio luminoso *Beam*	Dimensioni *Dimensions*	Peso *Weight*
DTS-LED 50 MULTI BAT2	34750M0002	4 W	24 VDC	360*	70 x 70 x 234 mm	225 g

DTS-LED 60 MULTI

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

Grado di protezione / *Protection level*	IP53
Durata / *Lifespan*	50000 h
Lunghezza cavo / *cable length*	~0.5 m
Colori dei LED / *LED colors*	rosso, giallo, verde / *red, yellow, green*
Volume buzzer / *Buzzer volume*	70 dB ad 1 m / *70 dB at 1 m*
Funzioni / *Functions*	rosso fisso, bz intermittente / *red steady, bz intermittent*



MODELLI *Model List*	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

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DTS-LED 50 MULTI BAT
ALU3/4/5

- Torrette multifunzione a LED.
- Funzioni: con buzzer intermittente, luce fissa.
- 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: IP20
- LINEA COMUNE NEGATIVA (PNP)
- Lunghezza cavo: 2,80 m.

- *LED Multi-Funtional Signal light.*
- *Functions: with intermittent buzzer, steady light.*
- *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: IP20*
- *COMMON LINE NEGATIVE (PNP)*
- *Cable length: 2,80 m.*

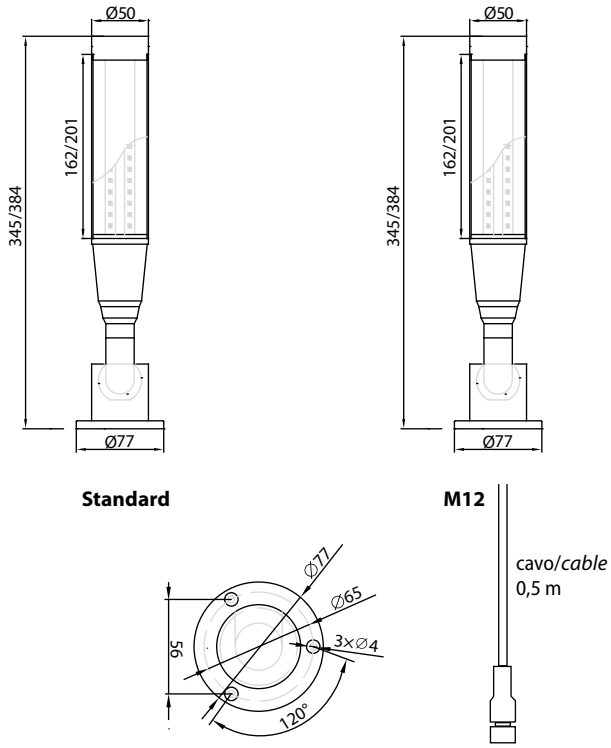
NEW

Disponibile anche in versione **IP54**

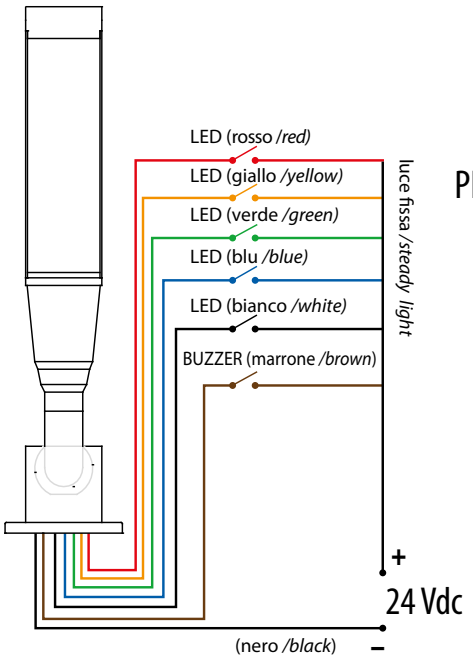
CE RoHS COMPLIANT

DTS-LED 50 MULTI BAT ALU3/4/5

Dimensioni / *Dimensions*

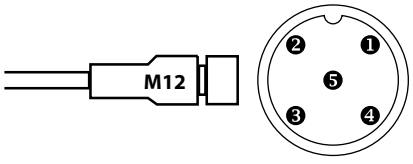


Cablaggi / *Wiring*



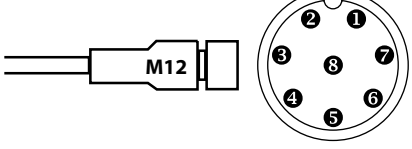
MODELLI *Model List*	Colore LED *LED Colour*	Buzzer	Codice *Code*	Collegamento *Connection*	Assorbimento max. *Power cons.*	Tensione d'ingresso *Input voltage*	Dimensioni *Dimensions*	Peso *Weight*
DTS-LED 50 MULTI BAT ALU3-345	🔴🟡🟢	Intermittente *Intermittent*	34750M1001	Cavo da 2 m	5 W	24 VDC stab. ± 3%	Ø 77 x 345 mm	430 g
DTS-LED 50 MULTI BAT ALU4-345	🔴🟡🟢🔵		34750M1002				Ø 77 x 345 mm	530 g
DTS-LED 50 MULTI BAT ALU5-384	🔴🟡🟢🔵⚪		34750M1003				Ø 77 x 384 mm	550 g
DTS-LED 50 MULTI BAT ALU3-345 M12	🔴🟡🟢		34750M1005	Maschio/*Male* M12 - 5 pin			Ø 77 x 345 mm	530 g
DTS-LED 50 MULTI BAT ALU4-345 M12	🔴🟡🟢🔵		34750M1006	Maschio/*Male* M12 - 8 pin			Ø 77 x 345 mm	430 g
DTS-LED 50 MULTI BAT ALU5-384 M12	🔴🟡🟢🔵⚪		34750M1004	Maschio/*Male* M12 - 8 pin			Ø 77 x 384 mm	550 g
DTS-LED 50 MULTI BAT ALU3-345	🔴🟡🟢	Fisso *Steady*	34750M1009	Cavo da 2 m			Ø 77 x 345 mm	430 g
DTS-LED 50 MULTI BAT ALU4-345	🔴🟡🟢🔵		34750M1011				Ø 77 x 345 mm	530 g
DTS-LED 50 MULTI BAT ALU5-384	🔴🟡🟢🔵⚪		34750M1013				Ø 77 x 384 mm	550 g
DTS-LED 50 MULTI BAT ALU3-345 M12	🔴🟡🟢		34750M1012	Maschio/*Male* M12 - 5 pin			Ø 77 x 345 mm	530 g
DTS-LED 50 MULTI BAT ALU4-345 M12	🔴🟡🟢🔵		34750M1015	Maschio/*Male* M12 - 8 pin			Ø 77 x 345 mm	430 g
DTS-LED 50 MULTI BAT ALU5-384 M12	🔴🟡🟢🔵⚪		34750M1014	Maschio/*Male* M12 - 8 pin			Ø 77 x 384 mm	550 g

ALU3-345



PIN nr.	LED
1	🔴
2	Buzzer
3	V–
4	🟢
5	🟡

ALU5-384
ALU4-345



PIN nr.	Cavo/*wire*	LED
1	⬜	🟢
2	🟤	🟡
3	🟩	N.C.
4	🟨	⚪
5	⬛	🔵
6	🩷	🔴
7	🟦	V–
8	🟥	Buzzer

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

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

DTS-LED 50 MULTI BAT ALU 396

DTS-LED 50
MULTI BAT
ALU 396

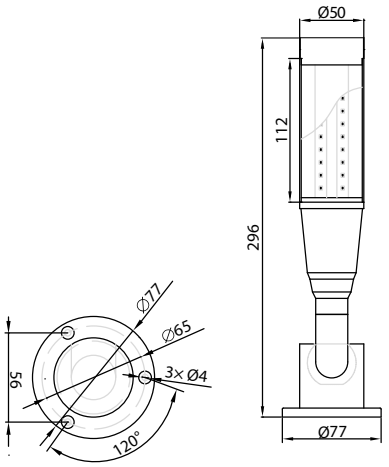
DTS-LED 50
MULTI BAT
ALU 396-OP

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

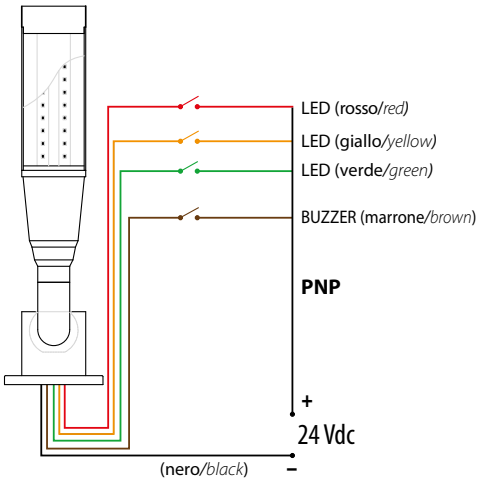
- *LED Multi-Funtional Signal light.*
- *Functions: with intermittent buzzer, steady light.*
- *Buzzer: 85 dB @ 1 m*
- *Installation: foldable.*
- *Layers: 1.*
- *Signal color: 3 colors RYG.*
- *Materials: aluminum lamp body + opal Acrylic diffuser or PC diffuser.*
- *Protection level: IP20*
- *COMMON LINE NEGATIVE (PNP)*
- *Cable length: 2,80 m*

MODELLI *Model List*	**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 / *Dimensions*



Cablaggi / *Wiring*



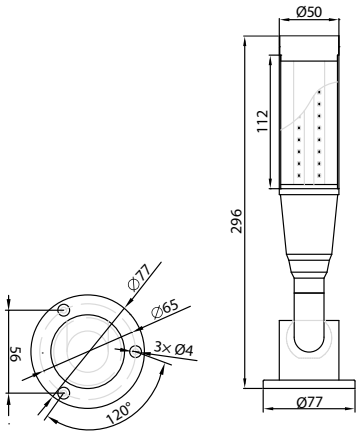
DTS-LED 50 MULTI BAT ALU 796

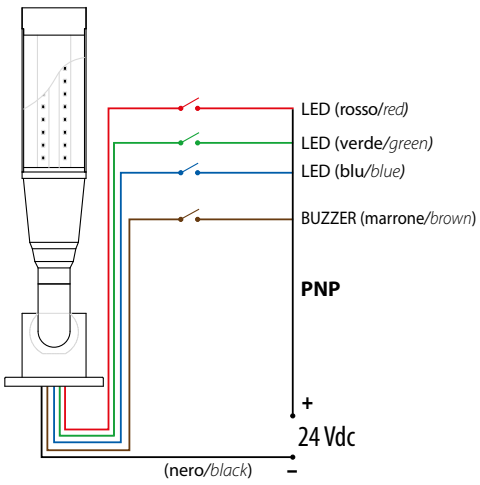
- Torrette multifunzione a LED.
- Funzioni: con buzzer intermittente, luce fissa.
- Buzzer: 85 dB @ 1 m
- Installazione: pieghevole.
- Livelli: 1.
- Colore segnale: 3 colori RGV.
- Materiali: corpo lampada in alluminio + diffusore opalino acrilico o diffusore in PC.
- Grado di protezione: IP20
- LINEA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

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

MODELLI *Model List*	**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

Dimensioni e cablaggi / *Dimensions and wiring*



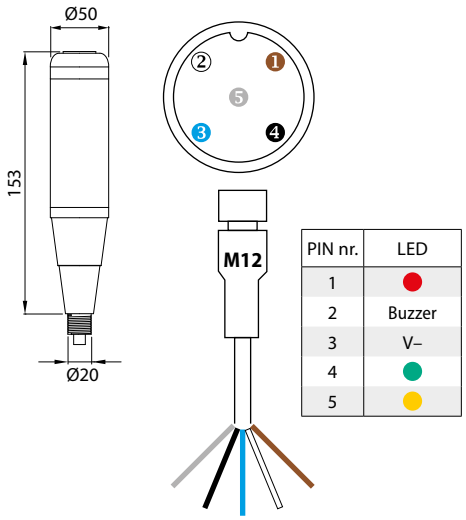


Cablaggi per i vari colori:
Wiring configuration or for different colours:

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*

DTS-LED 50 M12

Dimensioni e cablaggi / *Dimensions and wiring*



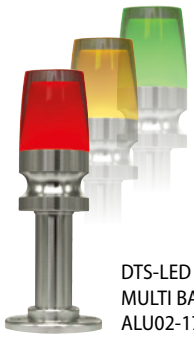
- Torrette multifunzione a LED.
- Funzioni: con buzzer intermittente, luce fissa.
- Buzzer: 70 dB @ 1 m
- Connessione M12.
- Terminale filettato.
- 3 colori: rosso, giallo e verde.
- Materiali: corpo lampada in alluminio + diffusore PC.
- Grado di protezione: IP20.
- LINEA COMUNE NEGATIVA (PNP).

- *LED Multi-Funtional Signal light.*
- *Functions: with intermittent buzzer, steady light.*
- *Buzzer: 70 dB @ 1 m*
- *M12 connector.*
- *Threaded terminal.*
- *3 colors: red, yellow and green.*
- *Materials: aluminum body + PC cover.*
- *Protection level: IP20.*
- *COMMON LINE NEGATIVE (PNP).*

MODELLI *Model List*	**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 153 mm	330 g

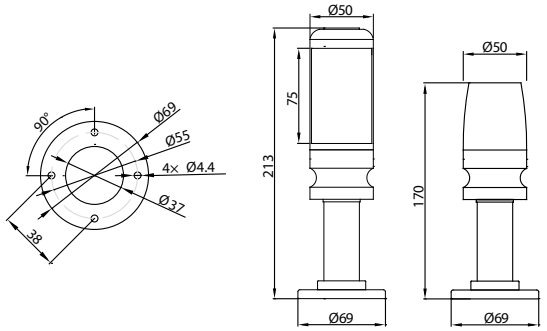
DTS-LED 50 MULTI BAT ALU 01/02

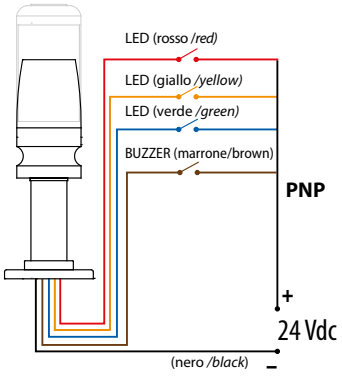
DTS-LED 50
MULTI BAT
ALU01-213-BZ



DTS-LED 50
MULTI BAT
ALU02-170-BZ

Dimensioni e cablaggi / *Dimensions and wiring*





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

- *LED Multi-Funtional Signal light.*
- *Functions: steady light.*
- *Layers: 1 Light signal + Buzzer.*
- *Signal color: 3 colors RYG.*
- *Installation: straight.*
- *Materials: aluminum lamp body + Acrylic diffuser.*
- *Protection level: IP20.*
- *COMMON LINE NEGATIVE (PNP).*
- *Cable length: 2,80 m.*

MODELLI *Model List*	**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

DTS-LED GLOBE

Ø 30

DTS-LED30 GLOBE

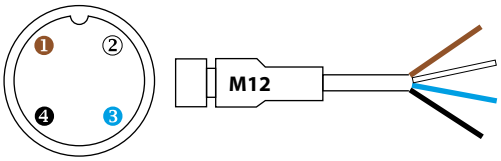
DTS-LED30 GLOBE B

Ø 50

DTS-LED50 GLOBE

DTS-LED50 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*



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

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

CE IP67 RoHS COMPLIANT

MODELLI *Model List*	**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			

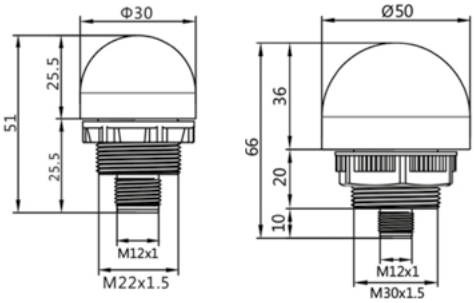
Accessori *Accessories*

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 moulded cable

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

Dimensioni e cablaggi / *Dimensions and wiring*



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DTS-LED GLOBE TOUCH

Ø 50

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 ... +50°C

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

CE IP67 RoHS COMPLIANT

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

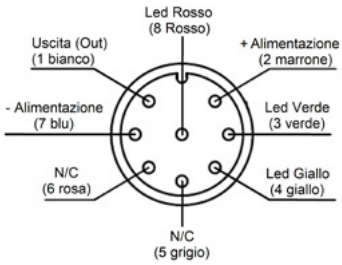
Accessori *Accessories*

STAFFA GLOBE 50 *(Bracket)*	34750M9995

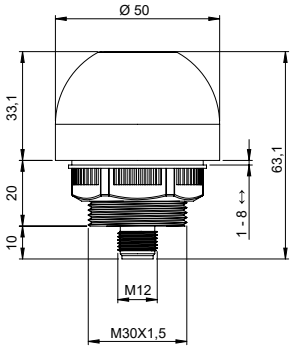
Cavo precablato M12 Nero in PVC Femmina 180° 8 Pin
M12 Female 180° 8 pins black PVC moulded cable

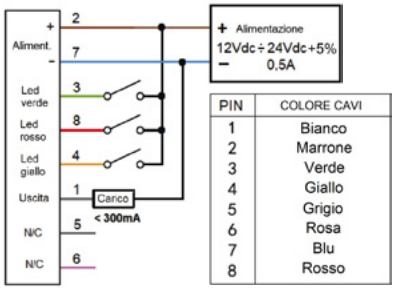
Codice	Modello	Lunghezza cavo
433Z11381X	DA12FD08BFX201	1 m
433Z482030	DA12FD08BFX203	3 m
433Z016685	DA12FD08BFX205	5 m
433Z11386X	DA12FD08BFX210	10 m

Cablaggio / *Wiring*



Dimensioni / *Dimensions*





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DTS-LED GLOBE BZ

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 ... +50°C

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

CE IP40 RoHS COMPLIANT

MODELLI *Model List*	**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

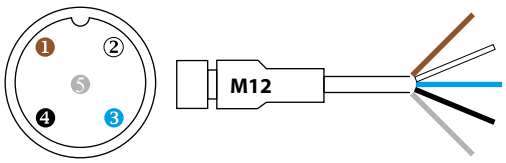
Accessori *Accessories*

STAFFA GLOBE 50 *(Bracket)*	34750M9995

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

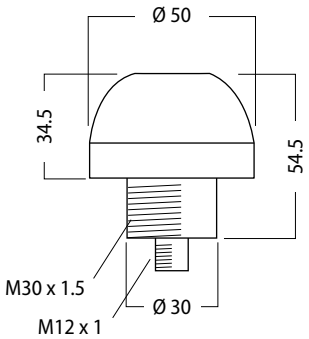
Codice	Modello	Lunghezza cavo
433Z11351X	DA12FD05BFX301	1 m
433Z11353X	DA12FD05BFX303	3 m
433Z11355X	DA12FD05BFX305	5 m
433Z11356X	DA12FD05BFX310	10 m

Cablaggio / *Wiring*

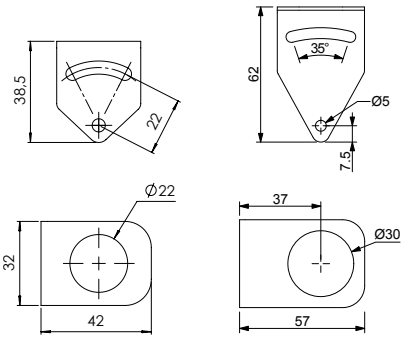


PIN nr.	LED
1	
2	
3	Common +/-
4	
5	Buzzer

Dimensioni / *Dimensions*



Dimensioni Staffe / *Dimensions*



DTS-LED EKOS B

Connettori
Connectors

Clip di fissaggio da ordinare separatamente

Mounting clip to be ordered separately

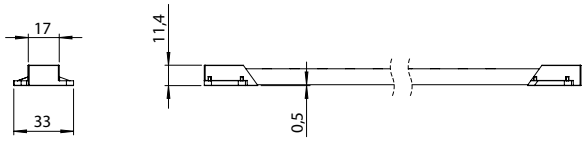
CE IP65 RoHS COMPLIANT

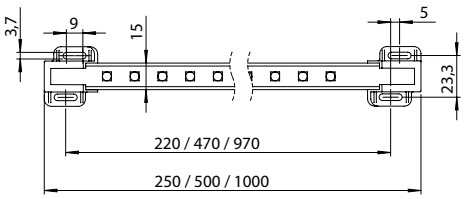
Grado di protezione / *Protection level*	IP65
Lunghezza cavo / *Cable length*	Tipo */type* 0: 240 + 1000 mm Tipo */type* 1: 240 mm / 240 + 1000 mm
CCT	5500-6000K

MODELLI *Model List*	**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					

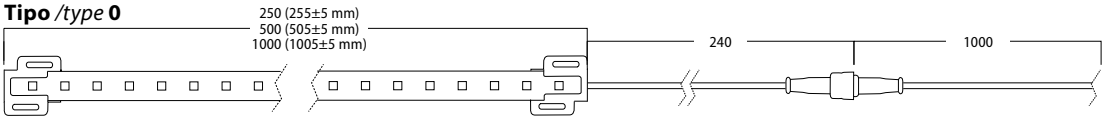
Accessori *Accessories*	**Lunghezza** *Length*	**Codice** *Code*
Cavo / *Cable*	**7 m**	3470110007
Clip di fissaggio *Mounting clip*		3470119999

Dimensioni / *Dimensions*

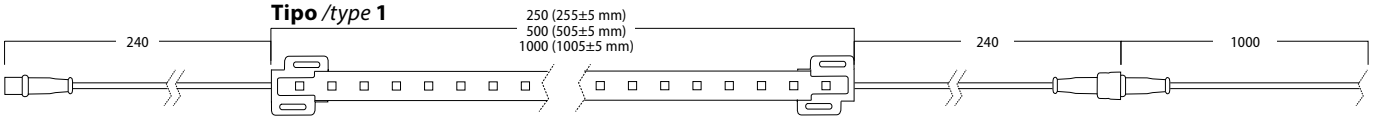




Tipo */type* **0**



Tipo */type* **1**



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DTS-LED EKOS C

Clip di fissaggio incluse nella fornitura (2 pz)
Mounting clips included in the delivery (2 pcs)

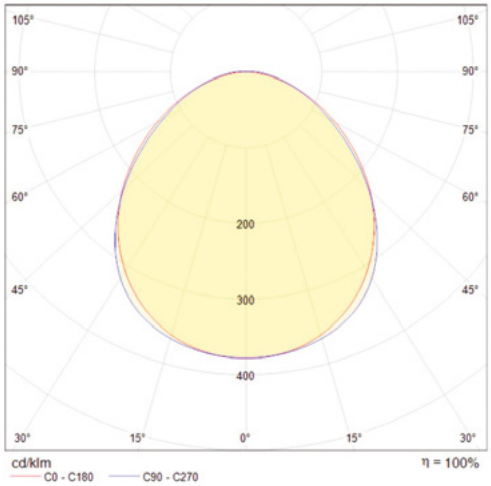
CE IP65 RoHS COMPLIANT

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	4500-5000 K
CRI	90

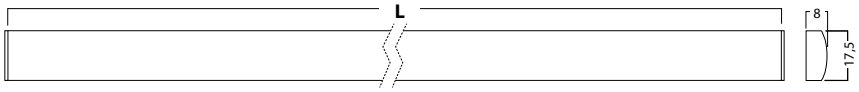
MODELLI *Model List*	**Tipo** *Type*	**Codice** *Code*	**Potenza** *Power*	**Flusso luminoso** *Luminous flux*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Peso** *Weight*
DTS-LED EKOS C 250	**0**	3470410250	5 W	350	24 VDC	120°	40 g
	1	3470410251					
DTS-LED EKOS C 500	**0**	3470410500	10 W	600			75 g
	1	3470410501					
DTS-LED EKOS C 1000	**0**	3470411000	20 W	1300			145 g
	1	3470411001					

Accessori *Accessories*	**Lunghezza** *Length*	**Codice** *Code*
Cavo */ Cable*	**7 m**	3470110007

Curva fotometrica */ Photometric data*

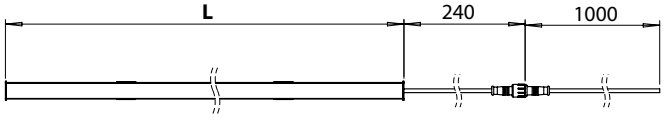


Dimensioni / *Dimensions*

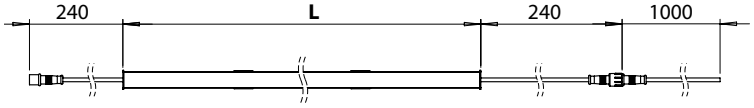


Tipo */Type* **0**

L [mm]
270
520
1020



Tipo */Type* **1**



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Lunghezza cavo: 2 metri
Cable lenght: 2 meters

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 which have lingering dust or moisture.
Maintains bright intensity illumination from dust resistant lens.
2 lengths: 300 and 500mm.
Certificates: CE, UL.

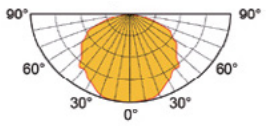
Per quantitativi minimi d'acquisto sono disponibili versioni ad alta intensità e versioni con lente opalina.

For minimum quantity order are available high-intensity versions and opal lens versions.

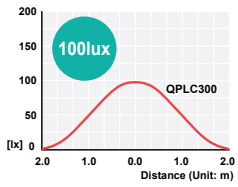
IP65 | -30 +50 °C | RoHS COMPLIANT

MODELLI *Model List*	**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

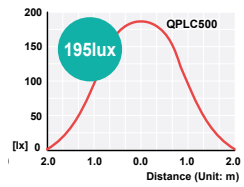
Distribuzione della intensità luminosa
Luminous intensity distribution



Illuminamento / *Illumination*
QPLC 300



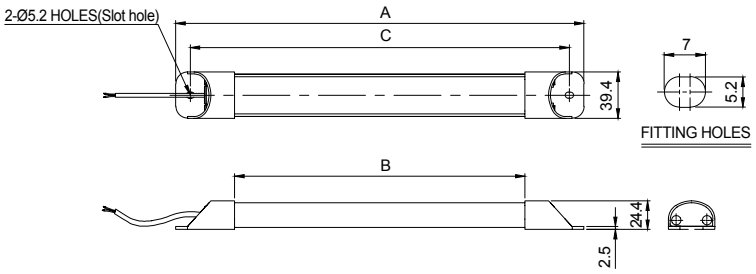
Illuminamento / *Illumination*
QPLC 500



Dimensioni / *Dimensions*

Modello / *Model*	A	B	C
DTS-LED QPLC 300	300	200	275
DTS-LED QPLC 500	500	400	475

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



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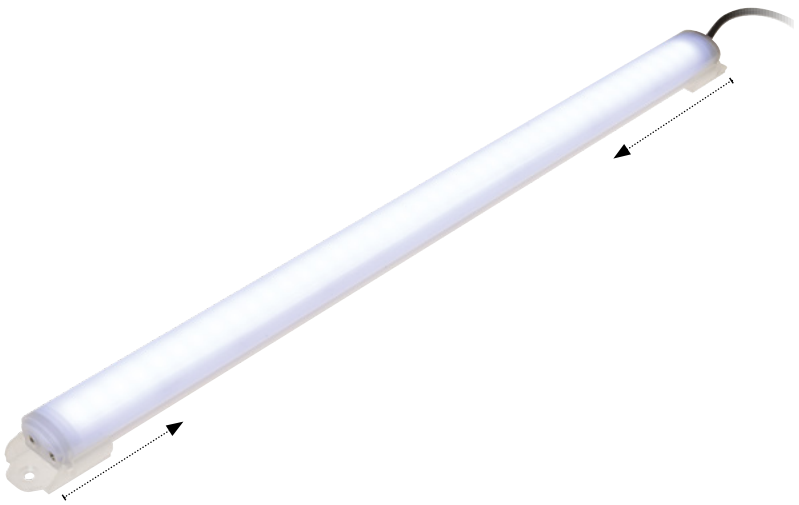
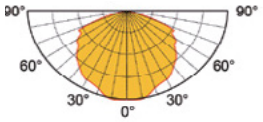
DTS-LED QCML



IP67 IP69K -30 +50 °C

Distribuzione della intensità luminosa
Luminous intensity distribution



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.

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

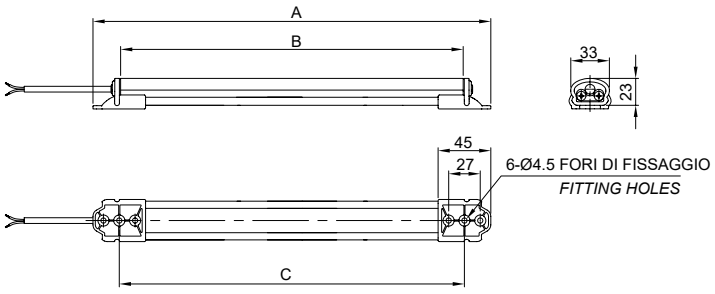
Disponibili versioni di lunghezze diverse per quantitativi minimi di acquisto.

Different lenghts are available for minimum order quantity.

MODELLI *Model List*	**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

Dimensioni / *Dimensions*

Modello / *Model*	A	B	C
DTS-LED QCMLC 500	562	513	45...517
DTS-LED QCMLC 900	962	913	45...917



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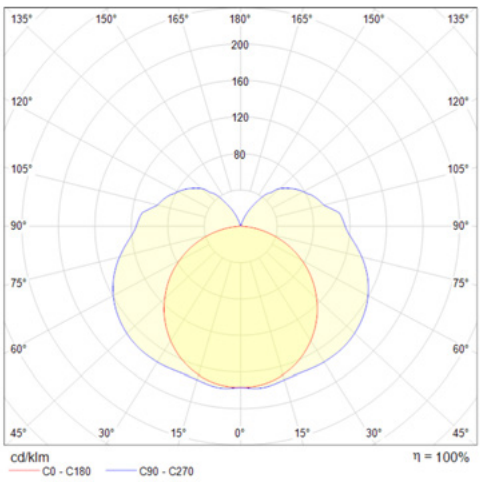
DTS-LED EKOS 7C

IP65 | -20 +45 °C | RoHS COMPLIANT

MODELLI *Model List*	**Codice** *Code*	**Lunghezza cavo** *Cable length*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso *** *Luminous flux*	**Fissaggio **** *Mounting*	**Dimensioni** *Case size L x H x D*	**Peso** *Weight*
DTS-LED EKOS 7C 300	3471120416	1 m	8 W	24 VDC	600 lm	2 clip	324 x 19 x 20 mm	50 g
DTS-LED EKOS 7C 500	3471120419	1 m	13 W		1000 lm	2 clip	524 x 19 x 20 mm	80 g
DTS-LED EKOS 7C 500	3471120420	5 m						
DTS-LED EKOS 7C 1000	3471120498	1 m	25 W		2000 lm	3 clip	1024 x 19 x 20 mm	160 g
DTS-LED EKOS 7C 1000	3471120499	5 m						

Curva fotometrica / *Photometric data*



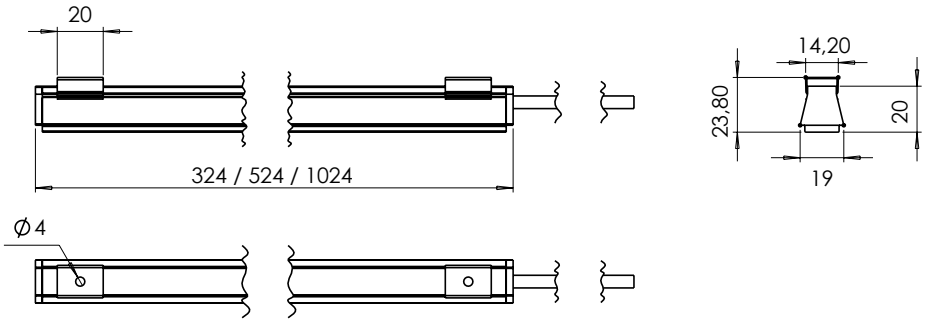
* Riferito alla luce bianca
Referred to the white light

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

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

Nr.	Colore LED / *LED Colour*	Collegamento / *Wiring*
1	○	BIANCO / *White*
2	●	ROSSO / *Red*
3	●	VERDE / *Green*
4	●	BLU / *Blue*
5	●	**3+4**
6	●	**2+4**
7	●	**2+3**

Dimensioni / *Dimensions*



DTS-LED QCML 7C

Colori / *Colours*
Bianco - Rosso - Verde - Blu - Violetto - Ciano - Giallo
White - Red - Green - Blue - Purple - Cyan - Yellow

IP67 IP69K -30 +50 °C RoHS COMPLIANT

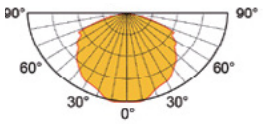
Custodia completamente sigillata con grado di protezione IP67/69K, adatta ad ambienti dove sono persistenti getti d'acqua ad alta temperatura.
Ideale per macchine nel settore alimentare, farmaceutico, ecc...
Spessore ridotto: 23 mm.
Sistema di controllo a LED.
Cavo UL2464 AWG22 (0.3sqx2C).
Lunghezza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

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

Disponibili versioni di lunghezze diverse per quantitativi minimi di acquisto.

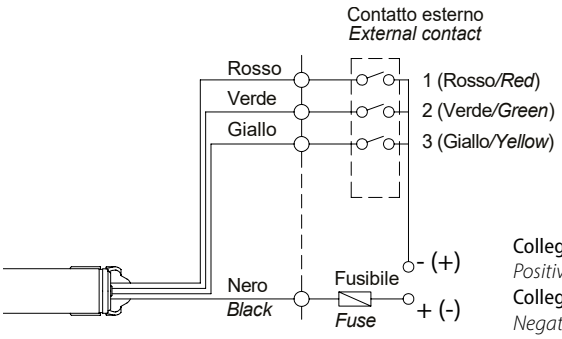
Different lenghts are available for minimum order quantity.

Distribuzione della intensità luminosa
Luminous intensity distribution



MODELLI *Model List*	**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*



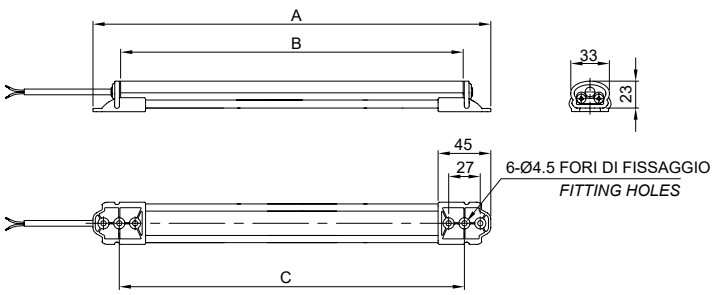
Collegamento comune positivo
Positive common connection
Collegamento comune negativo
Negative common connection

Cablaggi per il colore del segnale
Wiring configuration for signal colour

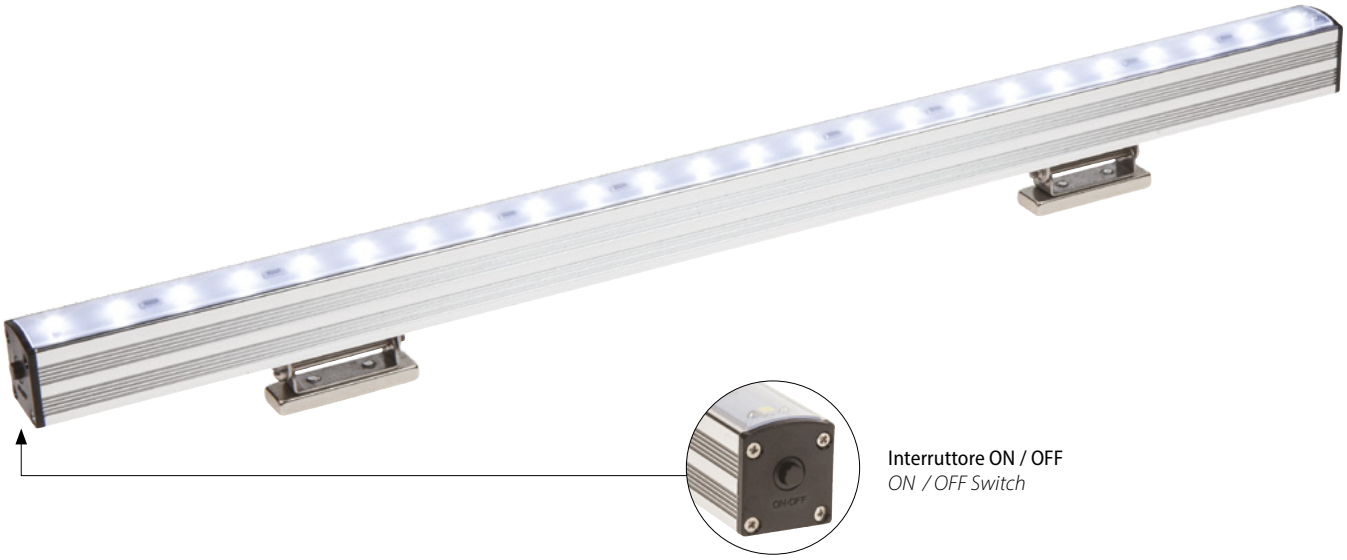
No.	Colore/*Colour*	Collegamento/*Wiring*
1	ROSSO/*Red*	1(ROSSO)
2	VERDE/*Green*	2(VERDE)
3	BLU/*Blue*	3(GIALLO)
4	AMBRA/*Amber*	1(ROSSO)+2(VERDE)
5	VIOLA/*Purple*	1(ROSSO)+3(GIALLO)
6	CIANO/*Cyan*	2(VERDE)+3(GIALLO)
7	BIANCO/*White*	1(ROSSO)+2(VERDE)+3(GIALLO)

Dimensioni / *Dimensions*

Modello / *Model*	A	B	C
DTS-LED QCML 7C 500	562	513	45...517
DTS-LED QCML 7C 900	962	913	45...917

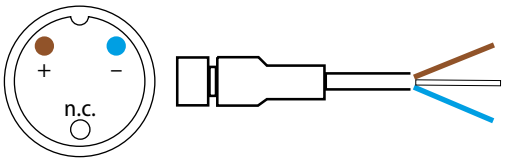


DTS-LED EKOS MAG



IP20 | -35 +50 °C | RoHS COMPLIANT

Grado di protezione / *Protection level*	IP20
Temperatura operativa *Operating temperature*	-35...+50°C
Durata / *Lifespan*	35000 h

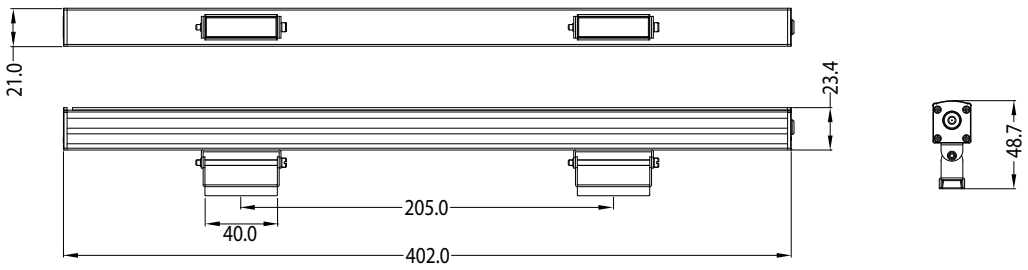


- Barra a LED con fissaggio magnetico
- Dotata di interruttore on/off
- Fornita con alimentatore 230VAC/24VDC con 2 metri di cavo e connettore dedicato
- Consumo 5 W
- CCT 5000 K
- Materiali: corpo lampada in alluminio + diffusore in PC
- Protezione IP20

- *LED bar with magnetic mounting*
- *Equipped with ON/OFF switch*
- *Supplied with 230VAC/24VDC power supply, with 2 meters of cable and dedicated connector*
- *Power consumption 5 W*
- *CCT 5000 K*
- *Materials: aluminum body + PC cover*
- *Protection level IP20*

MODELLI *Model List*	**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 EKOS MAG	3470140501	4 W	24 VDC	400 lm	120°	402 x 23.4 x21	200 g

Dimensioni / *Dimensions*



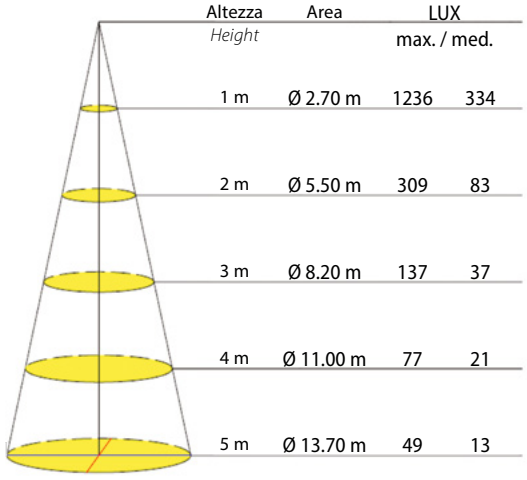
DTS-LED LINE PLAFO

RoHS COMPLIANT | CE | IP65

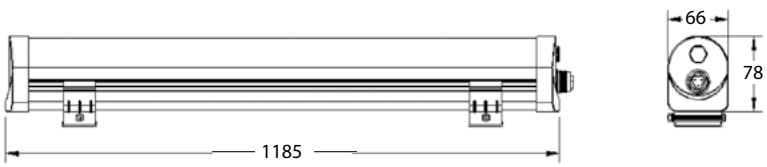
MODELLI *Model List*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio uminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
DTS-LED LINE plafo 1200	3470131200	40 W	230 VAC	3500 lm	125°	1185 x 78 x 66	1100 g

Grado di protezione / *Protection level*	IP65
Efficienza luminosa *Luminous efficency*	85 - 95 lm/W
Alimentatore / *Driver*	Isolato / *Isolated*
Temperatura operativa *Operating temperature*	<60 °C
Temperatura operativa *Working temperature*	-20...+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 / *Dimensions*



DTS-LED PLAFO 2

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

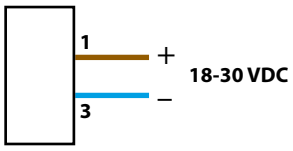
- *Aluminum body*
- *M12 connector*
- *Length 900 mm*
- *CRI>80*
- *IP20*

MODELLI *Model List*	Codice *Code*	Potenza *Power*	Tensione ingresso *Input voltage*	Flusso luminoso *Luminous flux*	Fascio luminoso *Beam*	Dimensioni *Case size XYZ*	Peso *Weight*
DTS-LED PLAFO2-900	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 efficency*	>100 lm/W
Temperatura operativa *Operating temperature*	-20...+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*

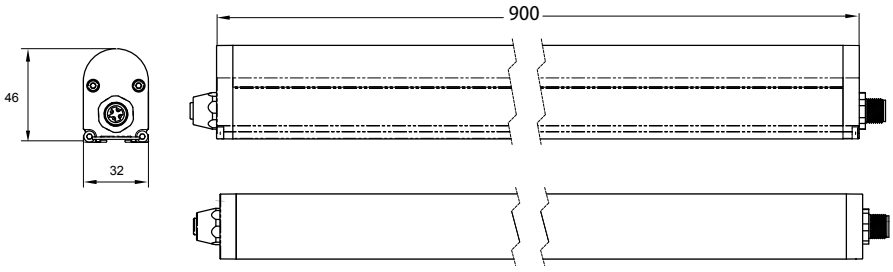
La serie DTS-PLAFO2 ha un corpo di alluminio ed un diffusore in policarbonato. Garantisce un elevato illuminamento all'interno del quadro privo di imperfezioni e con un indice colorimetrico superiore a 80.
Il collegamento avviene con connettore M12. La staffa in acciaio fornita a corredo permette una semplice installazione.

DTS-PLAFO2 is made by aluminum profile with Polycarbonate diffusor. Thanks to the high CRI the electrical cabinet is perfectly lighted. The connection can be done with M12 connector.



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

Dimensioni / *Dimensions*



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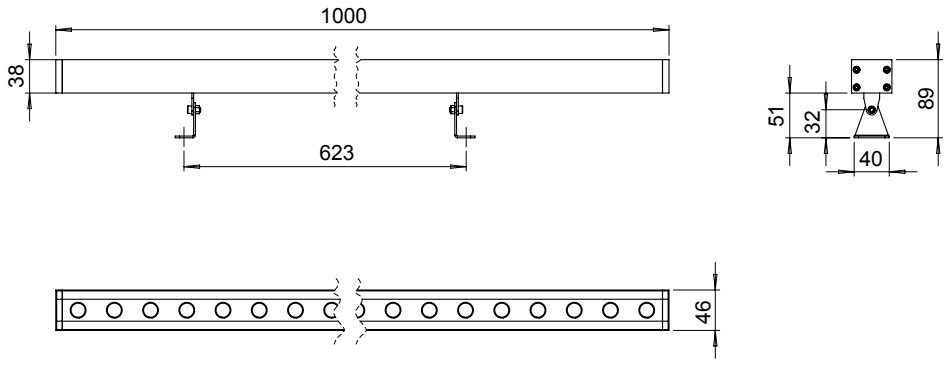
DTS-LED TWIN

MODELLI *Model List*	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 TWIN	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...+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 / *Dimensions*



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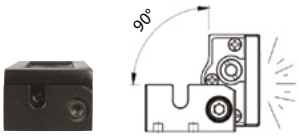
DTS-LED LINE 2

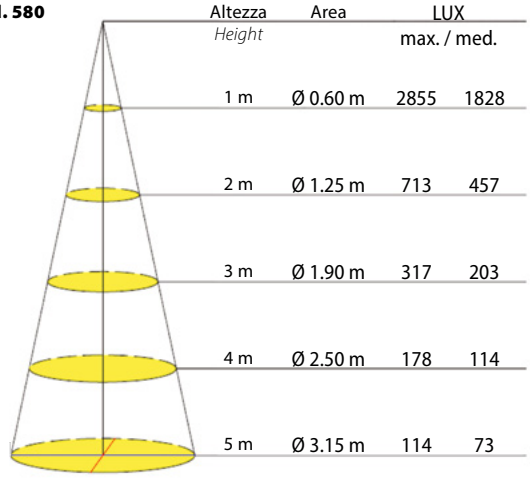


CE IP65 -20 +45 °C RoHS COMPLIANT

MODELLI *Model List*	**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	60°	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

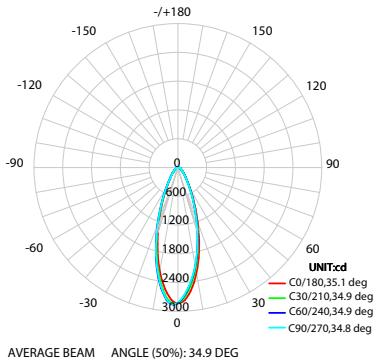
Grado di protezione / *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	85 lm/W
Temperatura operativa *Working temperature*	-20...+45 °C
Durata / *Lifespan*	50000 h
CCT	5500-6000 K
CRI	≥80%
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*
Lunghezza cavo /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

mod. 580

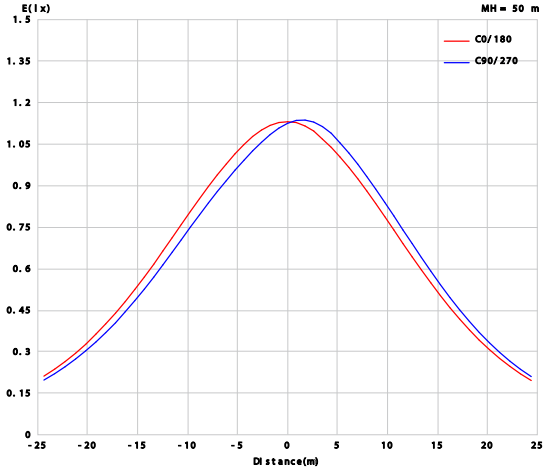


Altezza *Height*	Area	LUX max. / med.	
1 m	Ø 0.60 m	2855	1828
2 m	Ø 1.25 m	713	457
3 m	Ø 1.90 m	317	203
4 m	Ø 2.50 m	178	114
5 m	Ø 3.15 m	114	73

Curve fotometriche / *Photometric data:* **mod. 580**

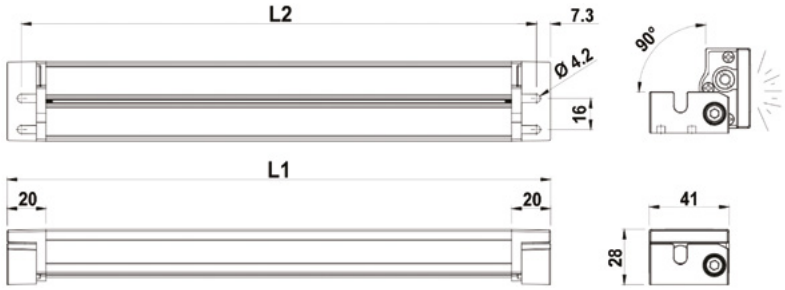


AVERAGE BEAM ANGLE (50%): 34.9 DEG



Dimensioni / *Dimensions*

L1	L2
280	255~265
380	355~365
480	455~465
580	555~565



DTS-LED L3

Illuminazione a LED per macchinari
Machinery LED lighting

- 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°*
- *Hlgh efficiency*

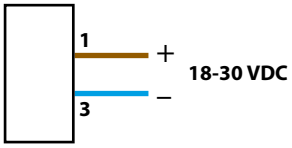
MODELLI *Model List*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*
DTS-LED L3-250	3479001250	6.5 W	24 VDC	610 lm	120°	268 x 32 x 24.7 mm
DTS-LED L3-500	3479001500	12.5 W		1180 lm		518 x 32 x 24.7 mm
DTS-LED L3-1000	3479001001	25 W		2370 lm		1018 x 32 x 24.7 mm

Versioni con vetro sabbiato su richiesta / *Versions with sandblasted glass on request*

Grado di protezione / *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	>100 lm/W
Alimentatore / *Driver*	Isolato / *Isolated*
Temperatura operativa *Operating temperature*	-20...+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*

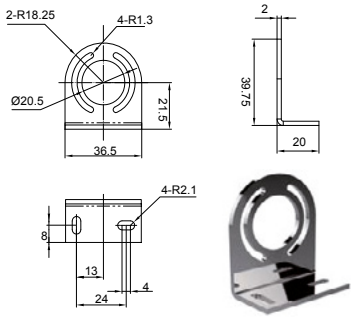
La serie DTS-LED L3 ha un corpo di alluminio ed è protetta da un vetro temprato raggiungendo un grado di protezione IP65. È particolarmente indicata nell'illuminazione di macchinari, illuminazione di celle frigorifere, industria alimentare, industria farmaceutica, ecc.
DTS- LED L3 è fornita di un doppio 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.

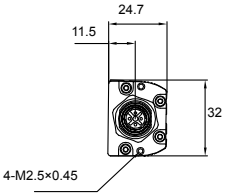
DTS-LED L3 is made by strong aluminum material and it is protected by a tempered glass offering the IP65 degree of protection. It is then suitable to machinery lighting in various manufacturing sectors, from machine tools to pharmaceuticals, from packaging to food indistries.
The device is equipped with 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.

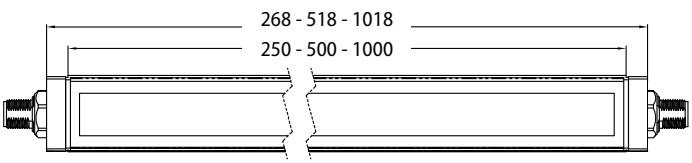


Connessione / *Connection*
Femmina / *Female*

Dimensioni / *Dimensions*







DTS-LED LINE CONQUICK

CE IP65 RoHS COMPLIANT

MODELLI *Model List*	**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

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 CONQUIK series adopt Nylon and fiber structure, waterproof rubber, tempered glass, ensuring IP rating IP65.

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

Cavo con connettore M12 non compreso /
M12 Cable not included

Grado di protezione / *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	90-100 lm/W
Alimentatore / *Driver*	Isolato / *Isolated*
Temperatura operativa *Operating temperature*	<60 °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*

Dimensioni / *Dimensions*

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

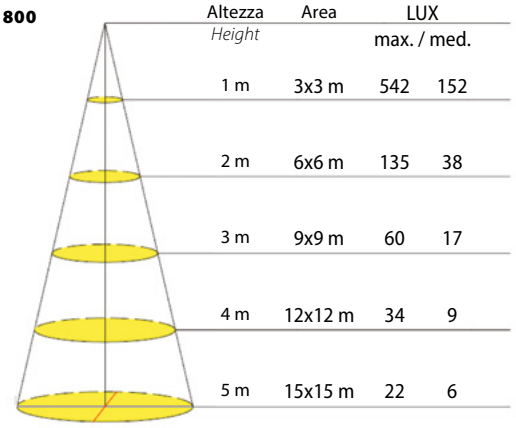
DTS-LED LINE EASY FIX

RoHS COMPLIANT · CE · IP69K

MODELLI *Model List*	**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

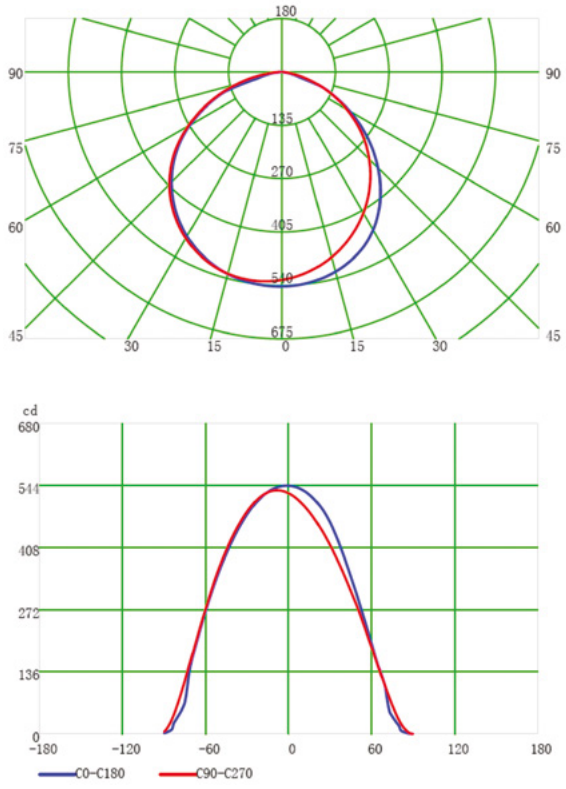
Grado di protezione / *Protection level*	IP69
Efficienza luminosa / *Luminous efficency*	100 lm/W
Temperatura operativa *Operating temperature*	<60 °C
Temperatura operativa *Working temperature*	-20...+45 °C
Durata / *Lifespan*	50000 h
CCT	5500-6000 K
CRI	≥80%
PF	≥0.9
Modalità di montaggio *Mounting method*	Fissaggio con viti *Fixed by screws*
Lunghezza cavo / *Cable length*	2 m

mod. 800



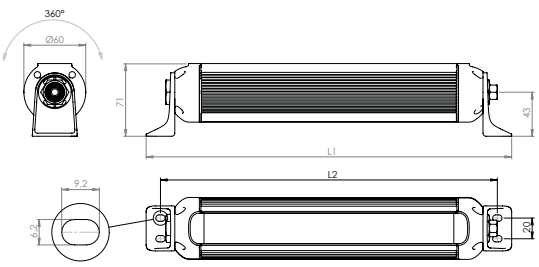
Altezza *Height*	Area	LUX max. / med.	
1 m	3x3 m	542	152
2 m	6x6 m	135	38
3 m	9x9 m	60	17
4 m	12x12 m	34	9
5 m	15x15 m	22	6

Curve fotometriche / *Photometric data:* **mod. 800**



Dimensioni / *Dimensions*

Modello / *Model*	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 QMFLN

- Costruzione in alluminio e vetro temprato IP67/IP69K
- Resistente ad acqua, vibrazioni ed oli industriali
- Lunghezza 400/600mm
- Orientabile 120°
- Temperatura max operativa +60°C

- *Body in aluminum and tempered glass IP67/IP69K*
- *Water, vibration and oil resistant*
- *Length 400/600mm*
- *Adjustable 120°*
- *Max operative temperature +60°C*

RoHS COMPLIANT · UL · CE · IP67 · IP69K · -30 +60 °C

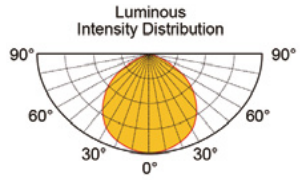
MODELLI *Model List*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size W x H x D*	**Peso** *Weight*
DTS LED - QMFLN 300	3479000630	12.5 W	24 VDC	851 lm	120°	310 x 51 x 67.4 mm	800 g
DTS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

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

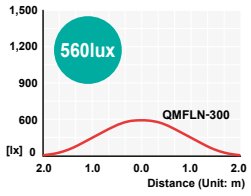
La serie DTS-LED QMFLN ha un robusto corpo di alluminio ed è protetta da un vetro temprato raggiungendo un grado di protezione IP67/IP69K. È particolarmente indicata nell'illuminazione di macchinari, illuminazione di celle frigorifere, industria alimentare, industria farmaceutica, ecc. Il collegamento 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 indistries. 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.

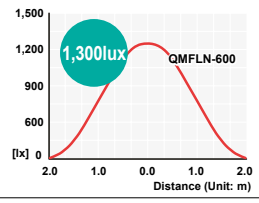
Distribuzione della intensità luminosa
Luminous intensity distribution



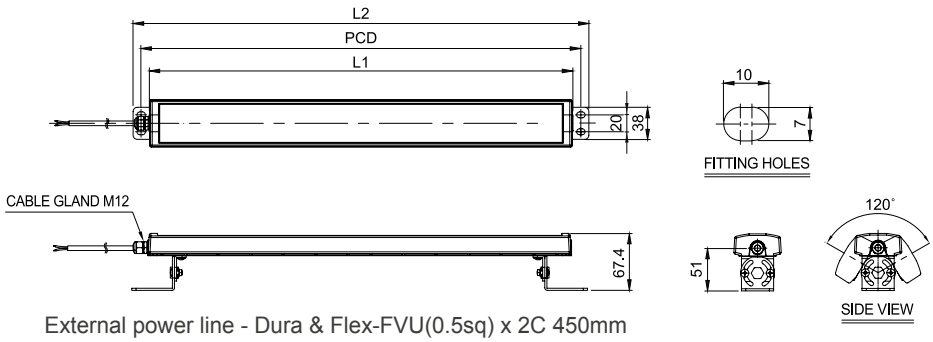
Illuminamento / *Illumination*
QMFLN 300



Illuminamento / *Illumination*
QMFLN 600



Dimensioni / *Dimensions*



MODEL	L1	PCD	L2
QMFLN - 300	290	310	330
QMFLN - 600	600	620	640

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

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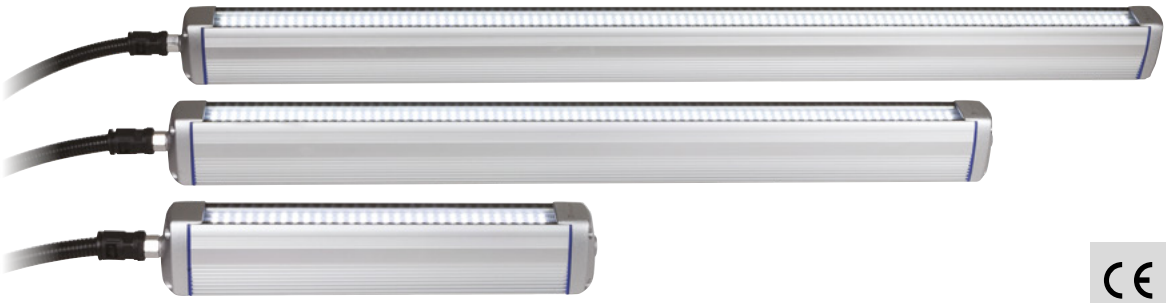
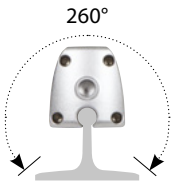
DTS-LED LINE

Illuminazione a LED per macchinari
Machinery LED lighting



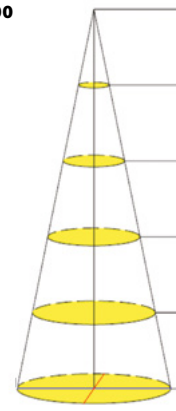


CE IP67 RoHS COMPLIANT

MODELLI *Model List*	**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

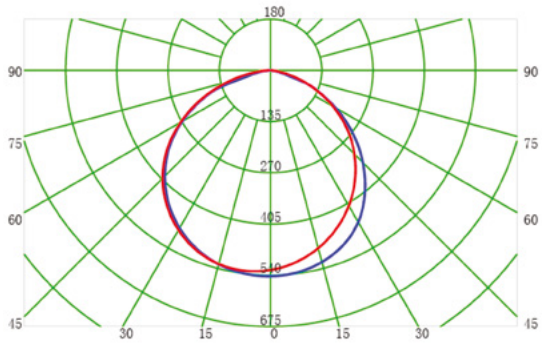
Grado di protezione / *Protection level*	IP67/69K
Efficienza luminosa / *Luminous efficency*	90-100 lm/W
Temperatura operativa *Operating temperature*	<60 °C
Durata / *Lifespan*	50000 h
CCT	5500-6000 K
CRI	80Ra
PF	≥0.9
Modalità di montaggio / *Mounting method*	Staffa / *Clamp*
Lunghezza cavo / *Cable length*	2 m

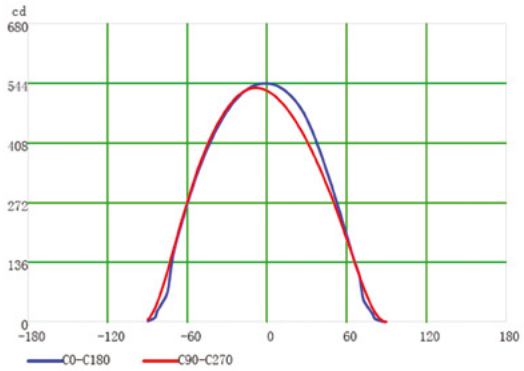
mod. 800



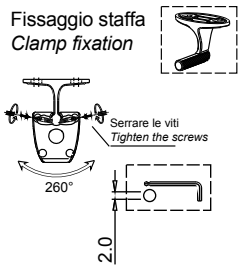
Altezza *Height*	Area	LUX max. / med.	
1 m	3x3 m	542	152
2 m	6x6 m	135	38
3 m	9x9 m	60	17
4 m	12x12 m	34	9
5 m	15x15 m	22	6

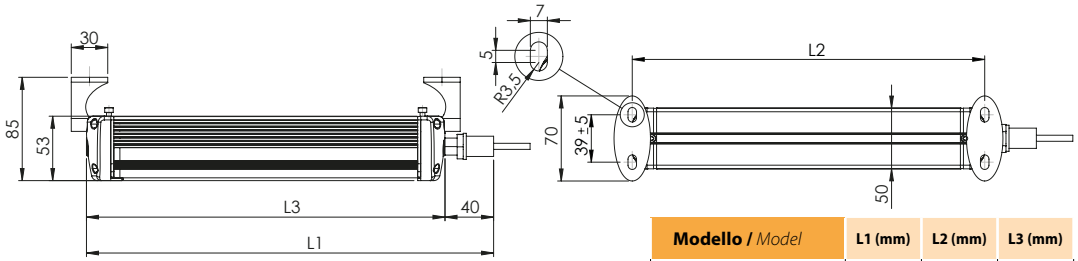
Curve fotometriche / *Photometric data:* **mod. 800**





Dimensioni / *Dimensions*





Modello / *Model*	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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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*

CE IP66 RoHS COMPLIANT

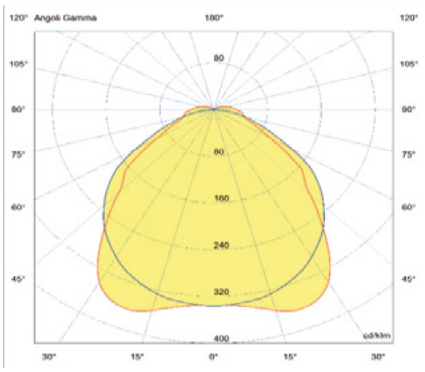
MODELLI *Model List*	**Codice** *Code*	**Corrente assorbita** *Current*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
KES STRIP 60 TN-14N	8T00024113	0,06 ±5%	14 W	220-230V~ 50/60Hz	2070 lm	Simmetrico	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

Grado di protezione *Protection level*	IP66
Efficienza luminosa *Luminous efficency*	>150 lm/W
Alimentazione */ Input voltage*	230VAC
Fattore di potenza */ Power factor*	> 0,95
Temperatura operativa *Operating temperature*	-25...+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*

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

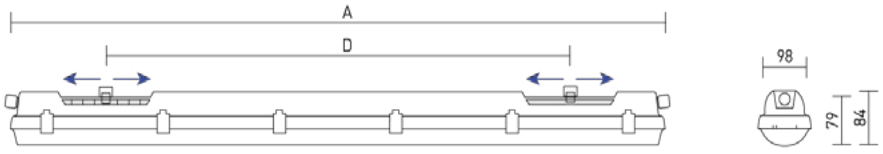
KES STRIP TN is made by Polycarbonate body and diffusor. Thanks to the high lumen output and high CRI the electrical cabinet is perfectly lighted.

Curva fotometrica */ Photometric data*



Dimensioni / *Dimensions*

Modello / *Model*	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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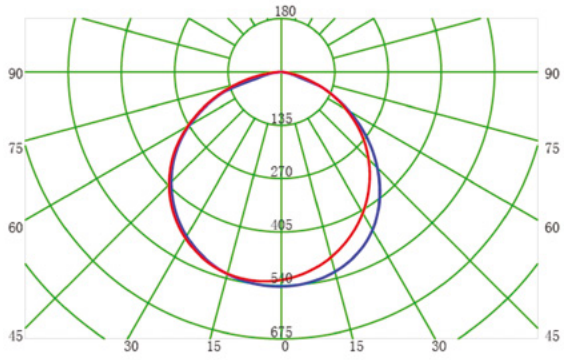
DTS-LED 145

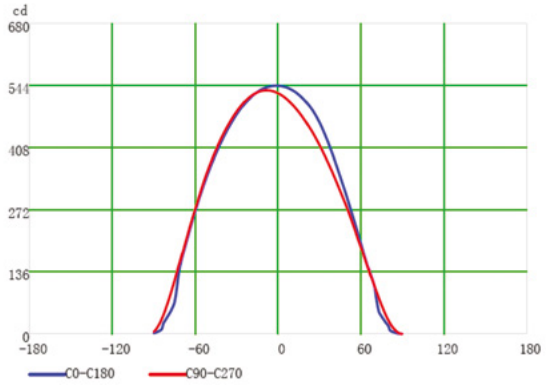
IP65 RoHS COMPLIANT

MODELLI *Model List*	**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 85 mm	2400 g

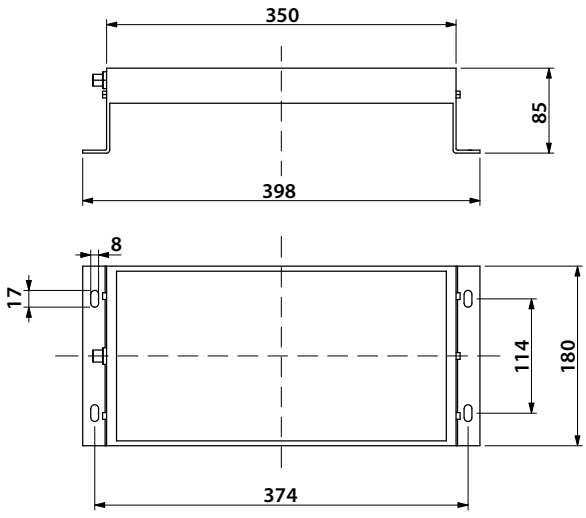
Grado di protezione / *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	>100 lm/W
Alimentatore / *Driver*	No drive
Temperatura operativa *Operating temperature*	-20...+40 °C
Durata / *Lifespan*	50000 h
CCT	4000 K
CRI	K ≥80Ra
Corrente nominale / *Rated current*	2 A
Connessione / *Connection*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

Curve fotometriche / *Photometric data*





Dimensioni / *Dimensions*



RADIANT 8S

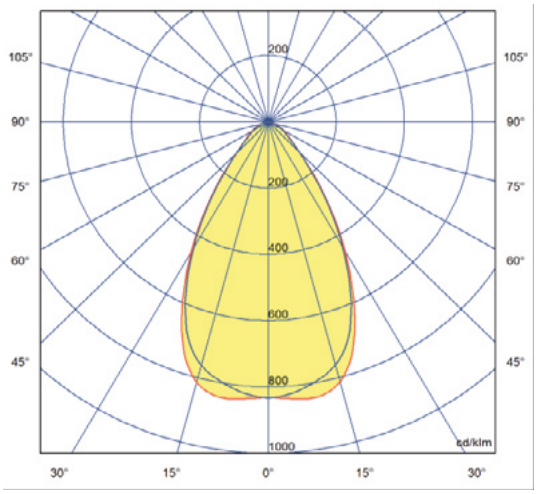
Corpo in acciaio Inox SS316L
Stainless steel body SS316L

CE IP66 RoHS COMPLIANT

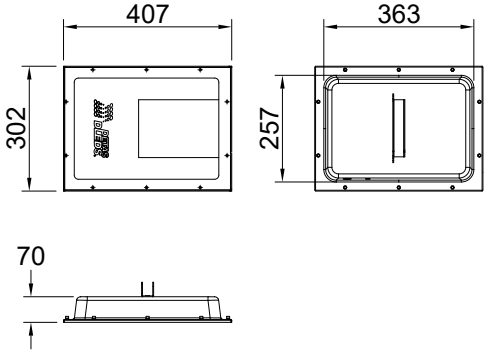
MODELLI *Model List*	**Codice** *Code*	**Potenza** *Power*	**Tensione ingresso** *Input voltage*	**Flusso luminoso** *Luminous flux*	**Fascio luminoso** *Beam*	**Dimensioni** *Case size XYZ*	**Peso** *Weight*
RADIANT 8S - 211S	8000017626	50 W	220-230V~ 50/60Hz	7530 lm	Simmetrico	407 x 302 x 70 mm	6 Kg

Grado di protezione *Protection level*	IP66
Efficienza luminosa *Luminous efficency*	>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...+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*

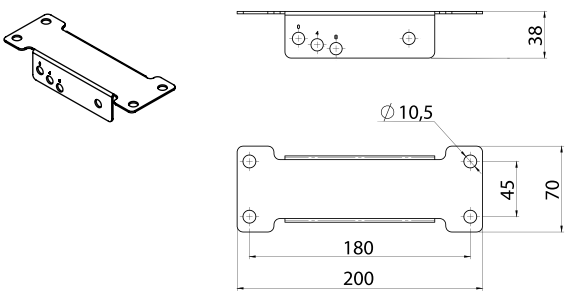
Curva fotometrica */ Photometric data*



Dimensioni / *Dimensions*



Staffa superiore/ *Top bracket*



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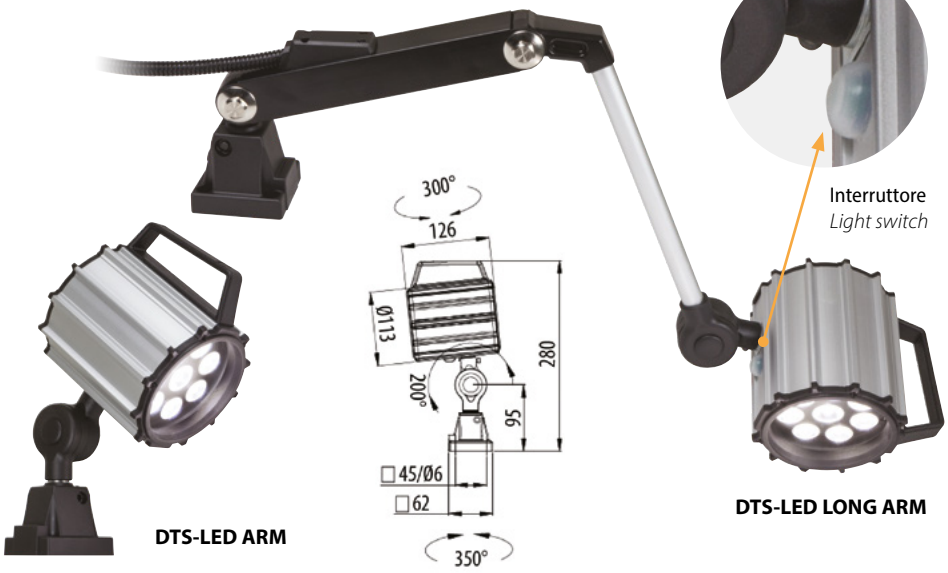
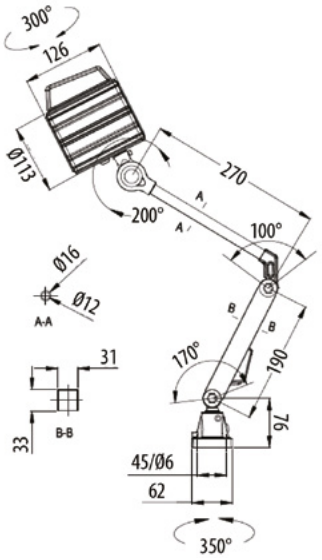
DTS-LED ARM / LONG ARM

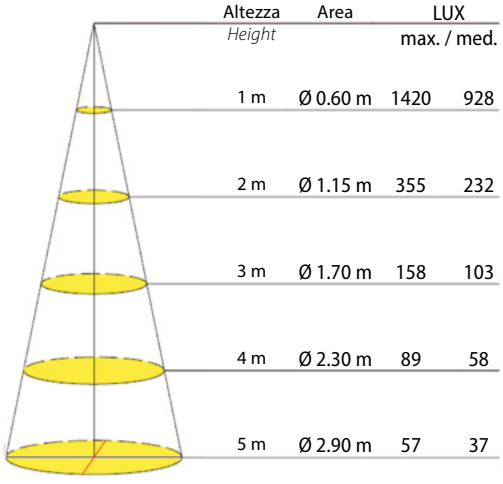




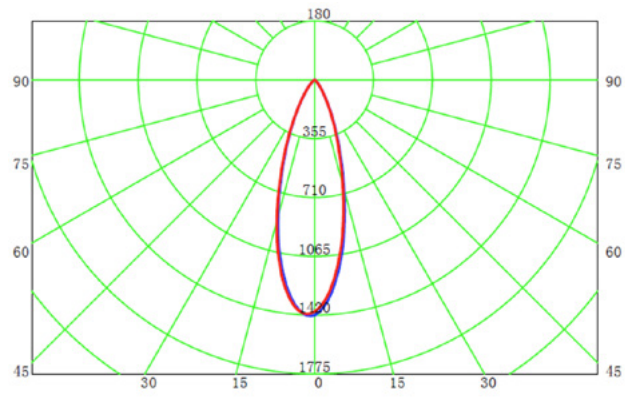
CE IP65 RoHS COMPLIANT

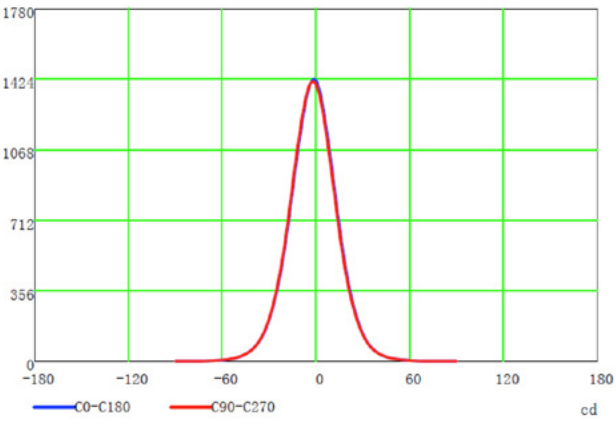
MODELLI *Model List*	**Codice** *Code*	**Potenza** *Power*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Peso** *Weight*
DTS-LED LONG ARM	3470200002	9.5 W	24 VDC	45°	1400 g
DTS-LED LONG ARM	3470223002		230 VAC		1400 g
DTS-LED ARM	3470200001		24 VDC		980 g

Grado di protezione / *Protection level*	IP65
Efficienza luminosa *Luminous efficency*	70 lm/W
Temperatura operativa *Operating temperature*	<60°
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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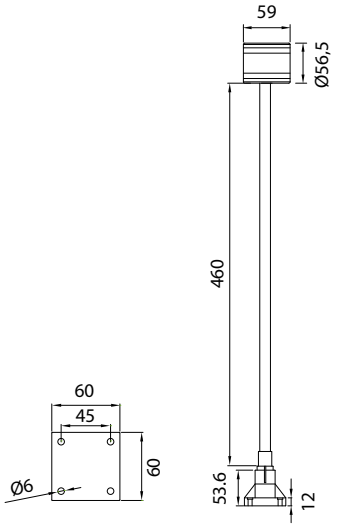
DTS-LED FLEXY ARM-4

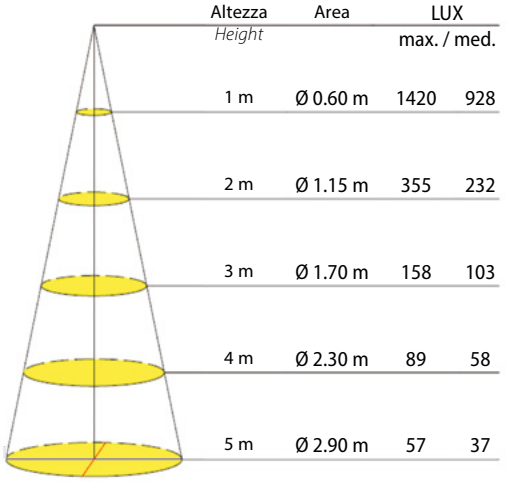
Dimensioni / *Dimensions*



CE IP65 III RoHS COMPLIANT

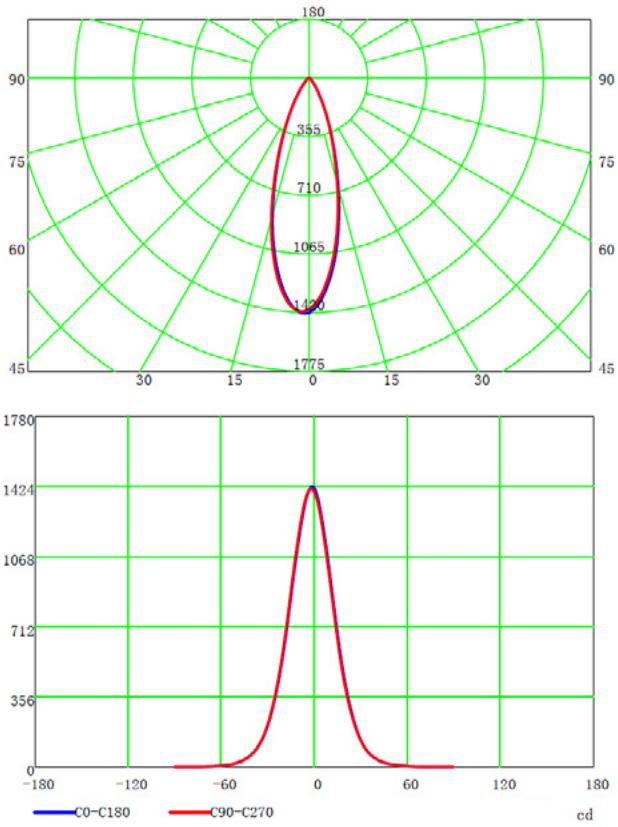
MODELLI *Model List*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Ø Faretto** *Ø Lamp*	**Peso** *Weight*
DTS-LED FLEXY ARM-4	3470200007	5 W	24 VDC stab. ± 3%	45°	Ø 59 mm	850 g

Grado di protezione *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	75 lm/W
Temperatura operativa *Operating temperature*	<60°
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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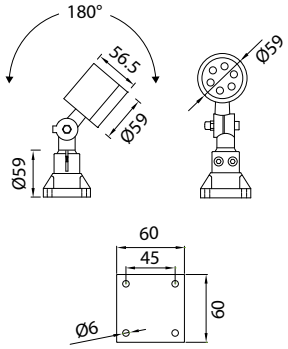
DTS-LED ARM-4
DTS-LED SPOT-4

DTS-LED ARM-4

Interruttore / *Light switch*

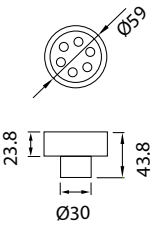
Dimensioni / *Dimensions*

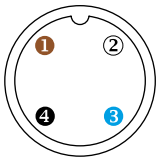


DTS-LED SPOT-4

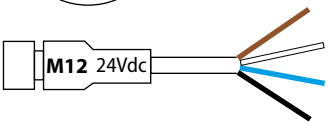
Cavo non incluso, acquistabile a parte
Cable not included, sold separately

Dimensioni / *Dimensions*





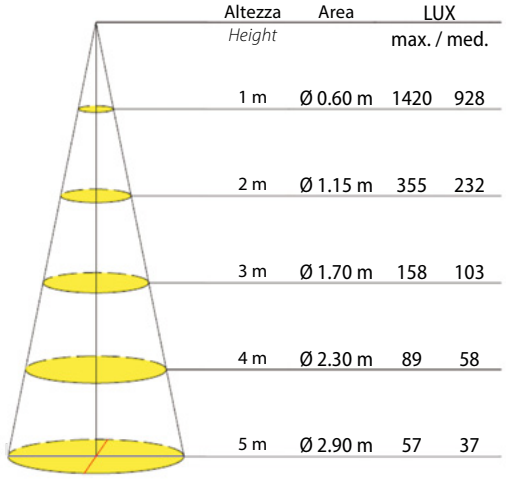
PIN nr.	LED
1	+
3	-



CE IP65 RoHS COMPLIANT

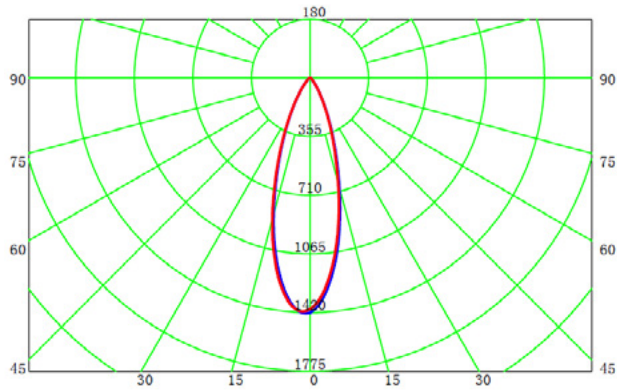
MODELLI *Model List*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Ø Faretto** *Ø Lamp*	**Peso** *Weight*
DTS-LED ARM-4	3470200008	5 W	24 VDC ± 15%	45°	Ø 59 mm	440 g
DTS-LED SPOT-4	3470200009		24 VDC stab. ± 3%			200 g

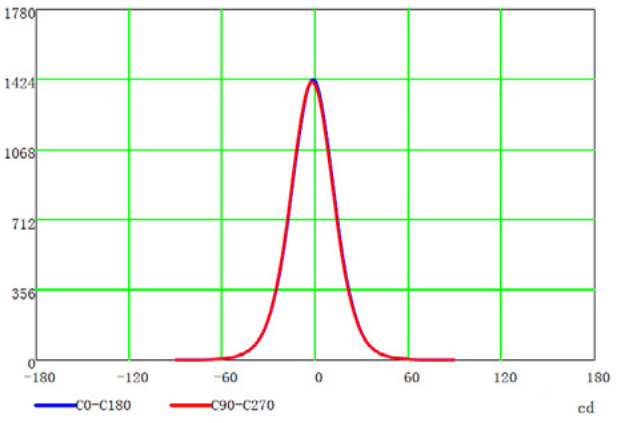
Grado di protezione / *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	75 lm/W
Temperatura operativa *Operating temperature*	<60°
Durata / *Lifespan*	50000 h
CCT	6000-6500K
CRI	>82Ra
Corpo *Housing*	Lega di alluminio *Aluminum alloy*
Modalità di montaggio *Mounting method*	Base fissa *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*



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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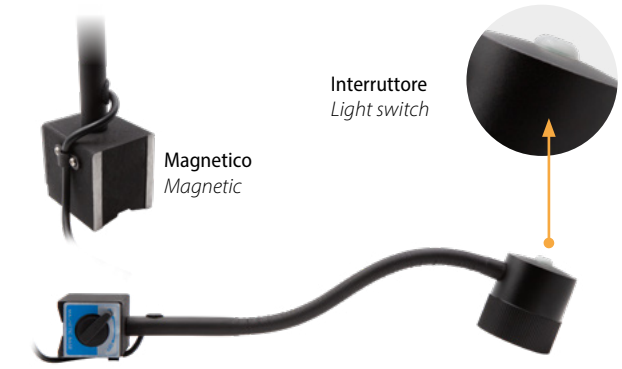
DTS-LED FLEXY ARM-3



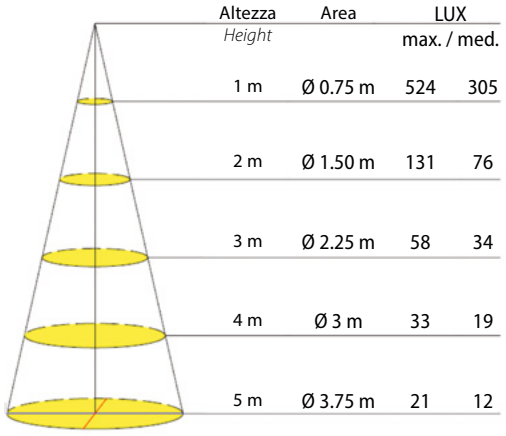
DTS-LED FLEXY ARM-3 MAG

DTS-LED FLEXY ARM-3

CE IP65 RoHS COMPLIANT

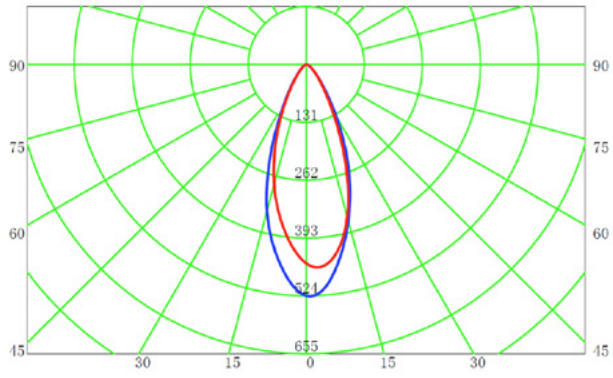
MODELLI *Model List*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Lunghezza cavo** *Cable lenght*	**Peso** *Weight*
DTS-LED FLEXY ARM-3	3470200003	4.5 W	24 VDC	60°	Ø 70 x 674 mm	70 cm	793 g
DTS-LED FLEXY ARM-3 MAG	3470200005	4.5 W	24 VDC	60°	Ø 70 x 475 mm	85 cm	1520 g

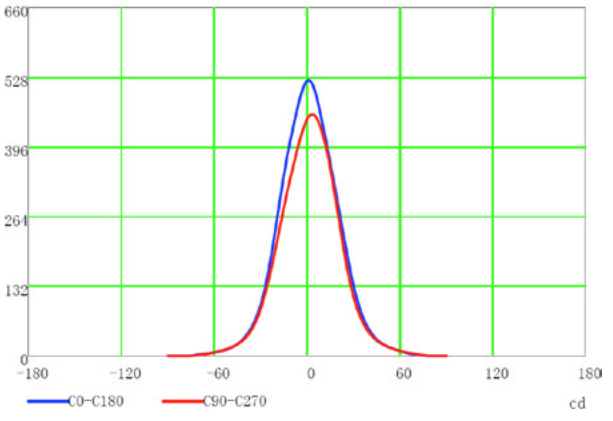
Grado di protezione *Protection level*	ARM-3 ARM-3 MAG	IP65 IP63
Efficienza luminosa / *Luminous efficency*		72 lm/W
Alimentatore / *Driver*		Isolato / *Isolated*
Temperatura operativa *Operating temperature*		<60°
Durata / *Lifespan*		50000 h
CCT		5500-6000K
CRI		70Ra
PF		≥0.9
Modalità di montaggio *Mounting method*	ARM-3 ARM-3 MAG	Base fissa / *Fixed base* B. magnetica / *Magnetic base*
Interruttore / *Light switch*		Incorporato / *Incorporated*



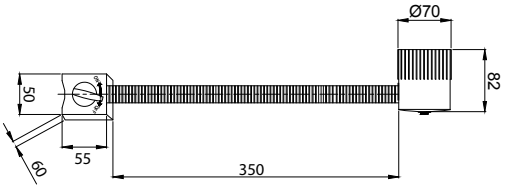
Altezza *Height*	Area	LUX max. / med.	
1 m	Ø 0.75 m	524	305
2 m	Ø 1.50 m	131	76
3 m	Ø 2.25 m	58	34
4 m	Ø 3 m	33	19
5 m	Ø 3.75 m	21	12

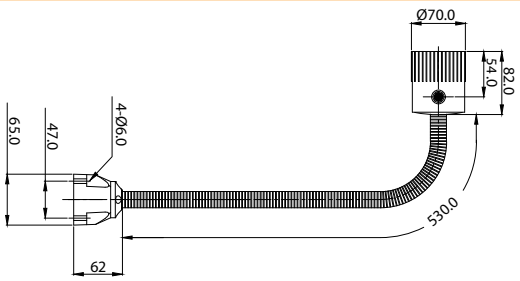
Curve fotometriche / *Photometric data*





Dimensioni / *Dimensions*





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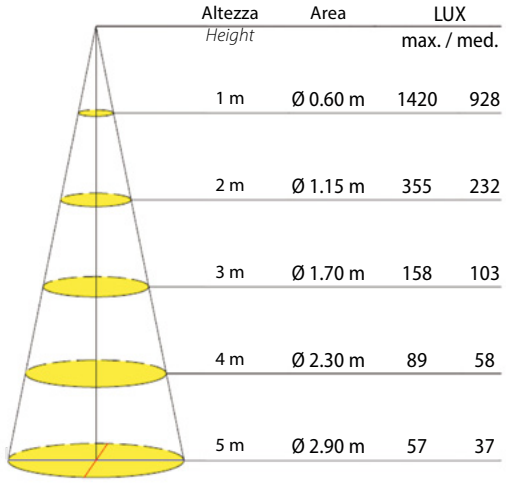
DTS-LED FLEXY ARM SPOT

IP65 RoHS COMPLIANT

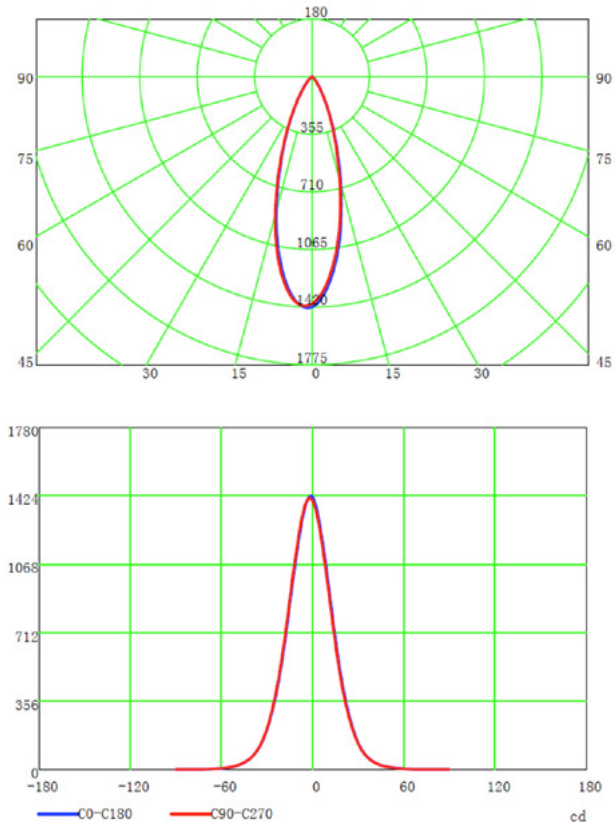
MODELLI *Model List*	**Codice** *Code*	**Assorbimento** *Power cons.*	**Tensione d'ingresso** *Input voltage*	**Fascio luminoso** *Beam*	**Dimensioni** *Dimensions*	**Peso** *Weight*
DTS-LED FLEXY ARM SPOT	3470200004	2.5 W	24 VDC	15°	Ø 28.6 x 659 mm	530 g

Grado di protezione / *Protection level*	IP65
Efficienza luminosa / *Luminous efficency*	40 lm/W
Alimentatore / *Driver*	Isolato / *Isolated*
Temperatura operativa *Operating temperature*	<60°
Durata / *Lifespan*	50000 h
CCT	5500-6000K
CRI	≥70Ra
PF	≥0.9
Modalità di montaggio / *Mounting method*	Fisso con vite *Fixed with screw*

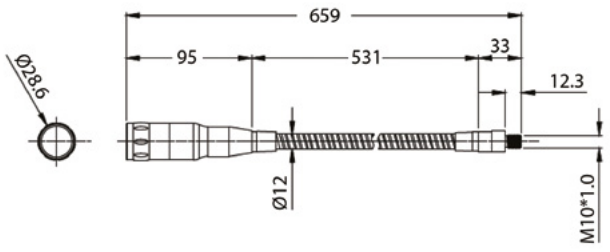


Altezza *Height*	Area	LUX max. / med.	
1 m	Ø 0.60 m	1420	928
2 m	Ø 1.15 m	355	232
3 m	Ø 1.70 m	158	103
4 m	Ø 2.30 m	89	58
5 m	Ø 2.90 m	57	37

Curve fotometriche / *Photometric data*



Dimensioni / *Dimensions*



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DTS-LED POINT

DTS-LED POINT 6

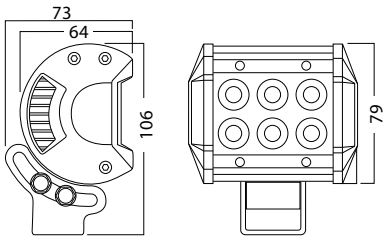
DTS-LED POINT 12

DTS-LED POINT 18

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).
Elevata efficienza ottica (93%).
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 in continuo: -20°C ÷ +60°C. (di picco: +85°C) .
Durata minima LED: 50.000 ore (Ta=25°C) .
Non adatti in presenza di olii refrigeranti o lubrificanti.

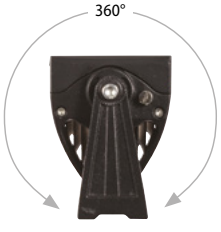
Designed to be used in extreme environments.
The dissipation fins ensure fast heat transfer increasing LED lifespan.
Wide input voltage range accepted.
White light (6500K).
High optical efficency (93%).
Led powered singularly: one single failure doesn't compromise functionality of the lighting body.
IP67 protection.
Die-cast aluminum body.
Stainless steel bracket.
Polycarbonate lens.
Continuous operating temperature: -20°C÷+60°C (peak: +85°C) .
Minimal LED lifespan: 50.000 hrs (Ta=25°C).
Not suitable when chill oils or lubricants are present.

Dimensioni / *Dimensions*

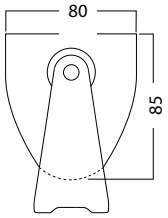


DTS-LED POINT 24

DTS-LED POINT 40



Lunghezza cavo / *Cable length* = **2 m**



CE IP67 RoHS COMPLIANT

MODELLI *Model List*	**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	1260 lm	60°	96 x 79 x 64 mm
DTS-LED POINT 12	3470600002	26 W		2520 lm		164 x 79 x 64 mm
DTS-LED POINT 18	3470600003	38 W		3890 lm		232 x 79 x 64 mm
DTS-LED POINT 24	3470600004	40 W		40180 lm	10°	355 x 80 x 85 mm
DTS-LED POINT 40	3470600005	46 W		47800 lm		560 x 80 x 85 mm

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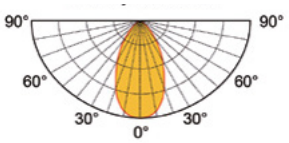
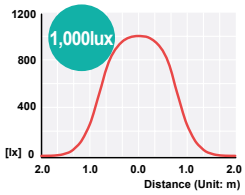
DTS-LED QMHL

CE | IP67 | IP69K | -30 +60 °C | RoHS COMPLIANT

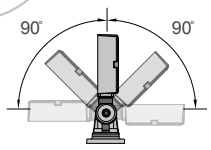
Lampade LED resistenti all'acqua, agli olii e alle vibrazioni, adatte per applicazioni su macchine utensili e ambienti con liquidi ad alta temperatura.
Illuminazione ad alta intensità e più focalizzata grazie all'ottica.
Per ambienti dove è richiesta un'illuminazione, a lunga distanza, intensa e lineare.
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.
Ingresso cavi standard incluso.

Water, vibration and oil resistant LED work light, suitable for machine tools applications and high temperature water cleaning environments.
High intensity illumination and condensor lens combination.
High intensity illumination allows for the environment both long distance and straightness are required.
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.
Foreign substances do not accumulate on the shielding glass surface of the working light due to its flush structure to the housing structure of the product.
Standard entry cable included.

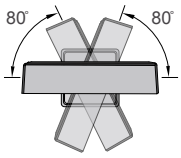
Caratteristiche - *Features*	**DTS-LED QMHL-150**
Distribuzione della intensità luminosa *Luminous intensity distribution*	
Illuminamento *Illumination*	
Ottica / *Lens color*	Trasparente - *Transparent*
Temperatura colore *Color temperature*	6000-7000 K
Flusso luminoso *Luminous flux*	884 lm
Illuminamento *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.

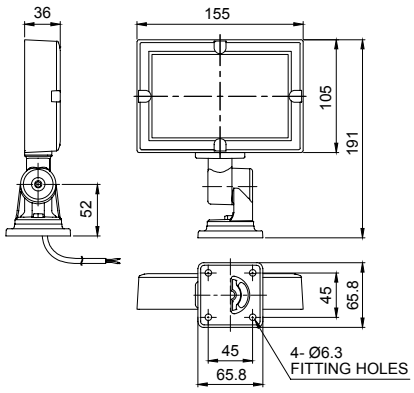


Rotazione - Vista di lato
Tilt adjustment - Side view



Rotazione - Vista dall'alto
Pan adjustment - Top view

Dimensioni / *Dimensions*



Cavo in dotazione / *Power line standard*:
Dura&Flex - F VU(0.5sqx2C) 450 mm
Lunghezza cavo / *Cable length*: 3 m

MODELLI *Model List*	**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

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LED da pannello

con resistenza integrata

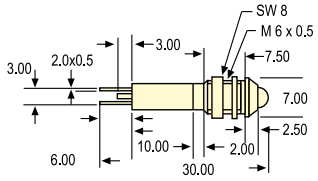
Panel LEDs with integrated resistors

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.; sono inoltre possibili esecuzioni speciali.

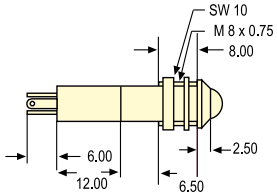
These LED are encapsulated in a cylindrical body ready for the faston connection.
A resistor is included therefore the device is ready to work to the chosen voltage.
Many versions are available: red, green, yellow, bicolored, etc. We can also offer special executions.

Dimensioni / *Dimensions*

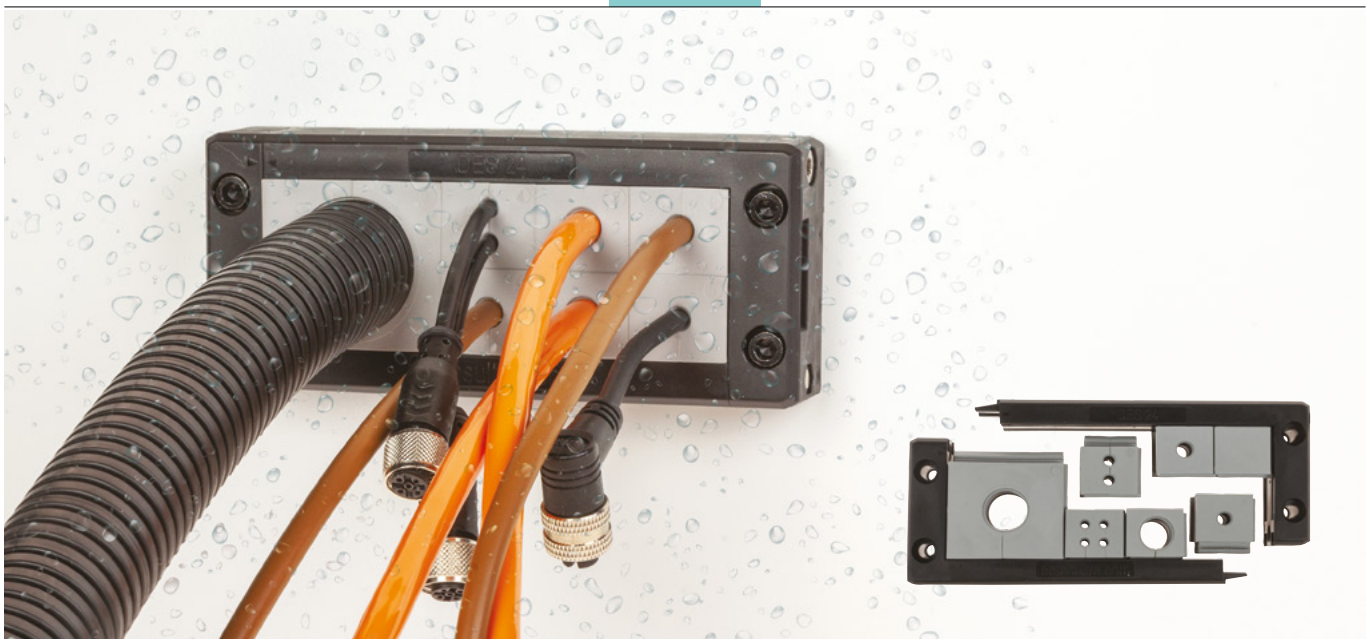
Ø 3 mm. Foro montaggio Ø 6 mm
Mounting hole Ø 6 mm



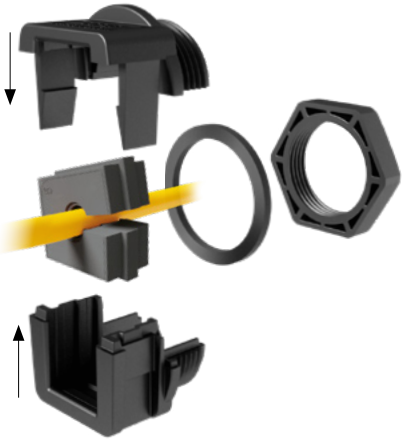
Ø 5 mm. Foro montaggio Ø 8 mm
Mounting hole Ø 8 mm



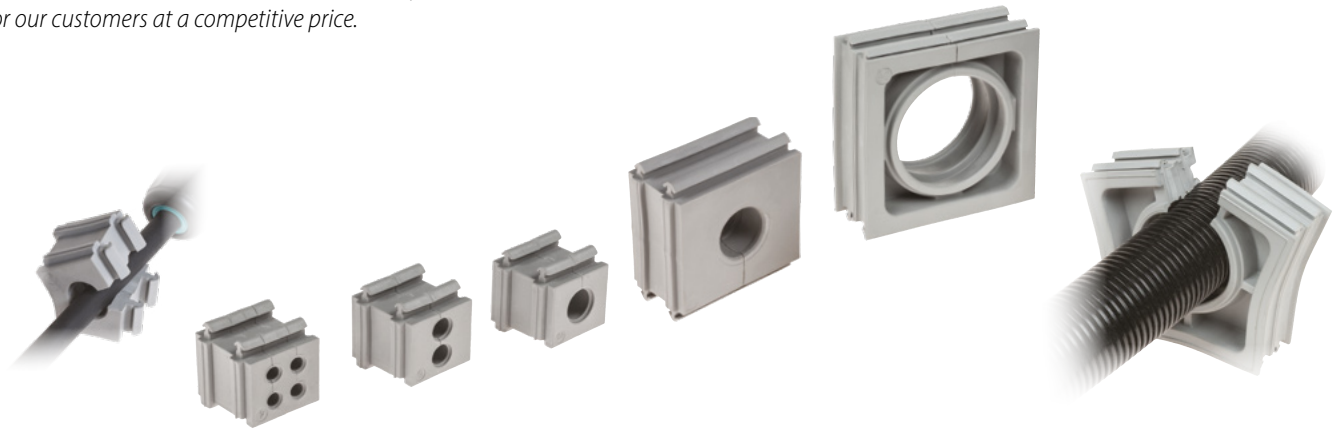
Ø	Codice *Code*	Tensione d'ingresso *Input voltage*	Assorbimento *Current*	Colore *Colour*	Conf. *Set*
3 mm	3450775241	24 V DC/AC	15 mA	●	10 pezzi *pieces*
	3450775242	24 V DC/AC	15 mA	●	
	3450775243	24 V DC/AC	15 mA	●	
5 mm	3450700240	24 V DC	20 mA	● ●	
	3450700244	24 V DC	20 mA	● ●	
	3450700245	24 V DC	6 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	●	



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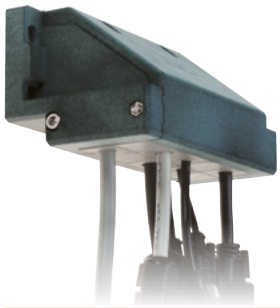
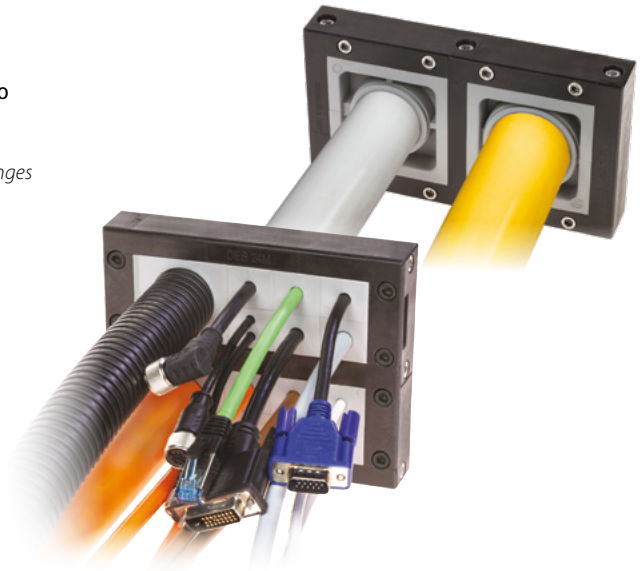
Telai divisibili per cavi con e senza connettori / *Entry system for cables with and without connectors*

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.





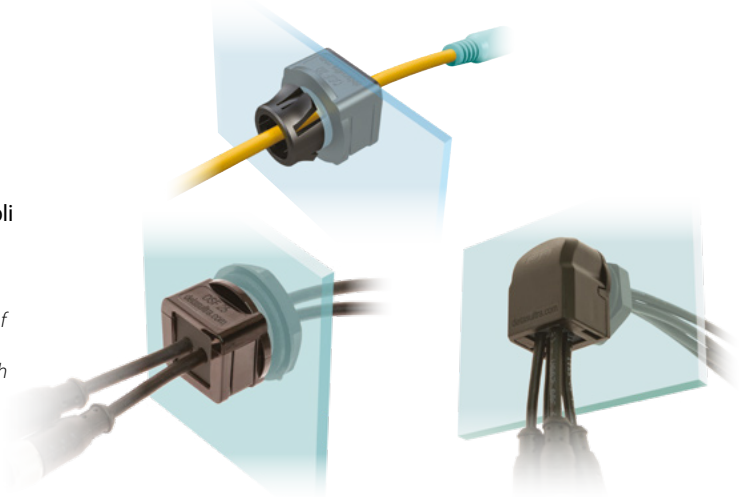
c UL us IP66 | NEMA 12, 4X | UL TYPE 12, 4X | HL3 EN 45545-2 | APPROVED MARINE TYPE | ECOLAB | UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT | IK10 | Ex

Serie OSF - pressacavi divisibili

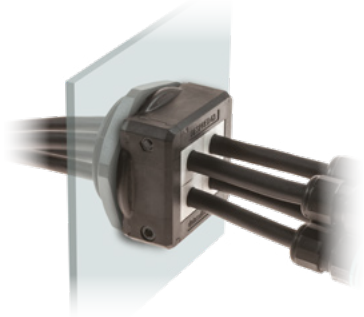
OSF series - splittable cable glands

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 IP54 | NEMA 12 | APPROVED MARINE TYPE | UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT | 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 IP66 | NEMA 12, 4X | UL TYPE 12, 4X | HL3 EN 45545-2 | APPROVED MARINE TYPE
ECOLAB | UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT | IK10 | Ex

c UL us pending IP54 | NEMA 12 | APPROVED MARINE TYPE
UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT | IK10

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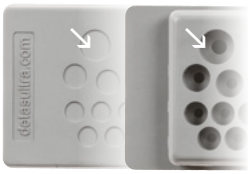
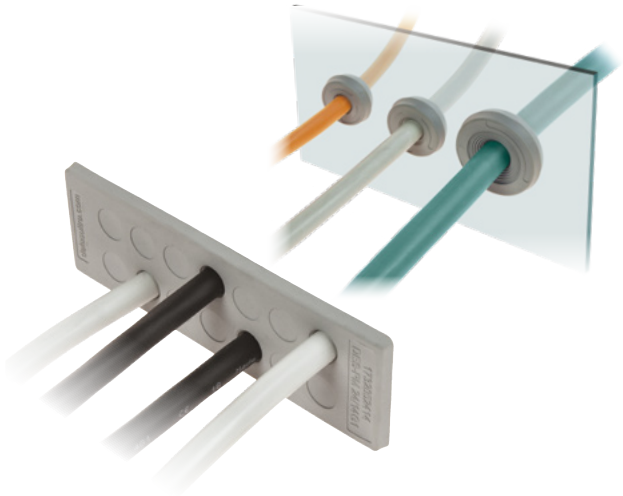
Passacavi per cavi senza connettori / *Entry system for cables without connectors*

DES-PM - passacavi a doppia membrana
Cable gland 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.



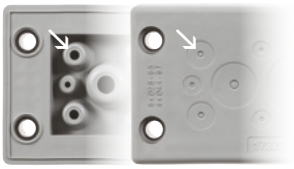


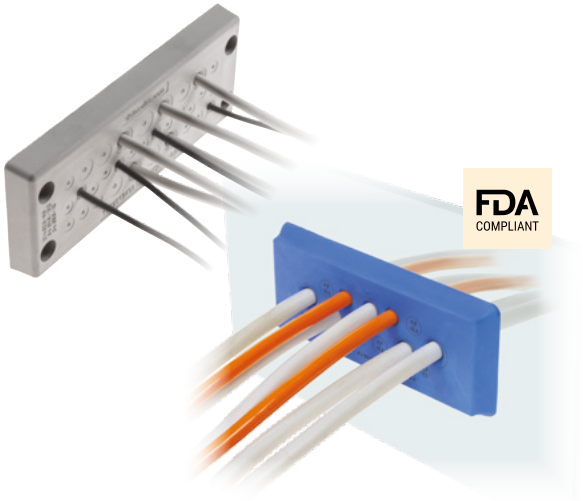
IP65 | NEMA 12 | UL TYPE 12 | ECOLAB | UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT

DES-PDM - passacavi con telaio a doppia membrana
Cable gland 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.



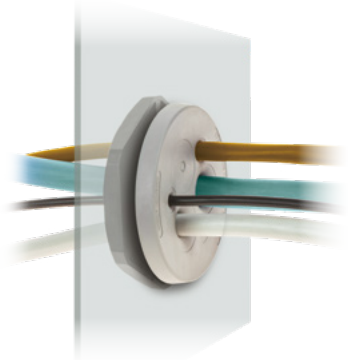


IP66 | NEMA 12, 4X | UL TYPE 12, 4X | ECOLAB | UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT

DES-PDM M - passacavi con telaio a doppia membrana
Cable gland 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 resistance.



IP66 IP68 | NEMA 12, 4X | UL TYPE 12, 4X | ECOLAB | UL94-V0 | UV ISO 4892-2A | RoHS COMPLIANT

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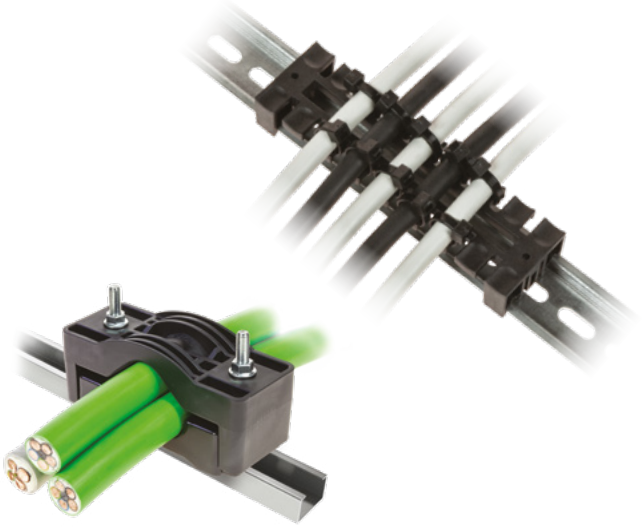
Fissacavi e antistrappo / *Strain relief modules*

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 / *Pipes*

FL - guaine corrugate divisibili
Splittable corrugated tubes

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 tubes are suitable for the passage of preassembled cables.
The double tube 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 tubes

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 tubes. The cover, by snap-in fixing, makes the tube stabler also under mechanical stresses.

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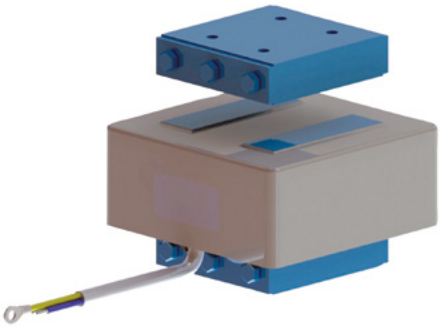
Soluzioni per sistemi oscillanti

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 IP 00 e IP 20 o in contenitori IP 65 in acciaio inox per l'industria alimentare. Grazie alla produzione propria interna possiamo realizzare soluzioni su misura per ogni applicazione.



Solutions for vibrating feeders

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.

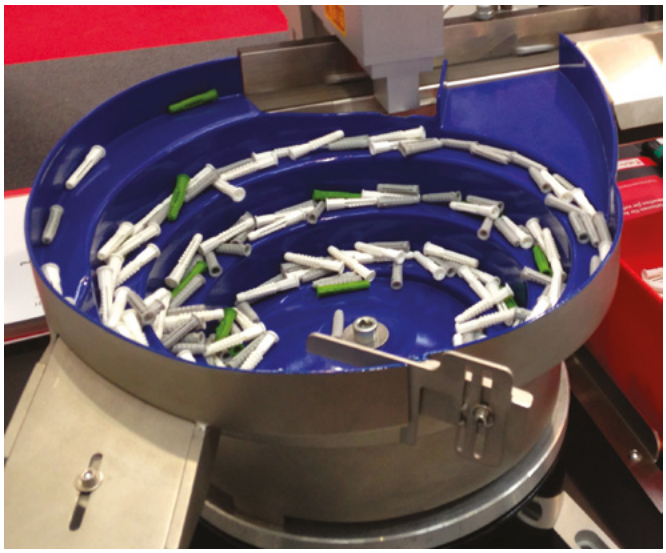
The REOVIB controller are offered in IP 00 and IP 20 versions or in IP 65 cases, made by stainless steel certified for food industry. We made our product in-house, so we can offer solutions tailored on every specific problem.

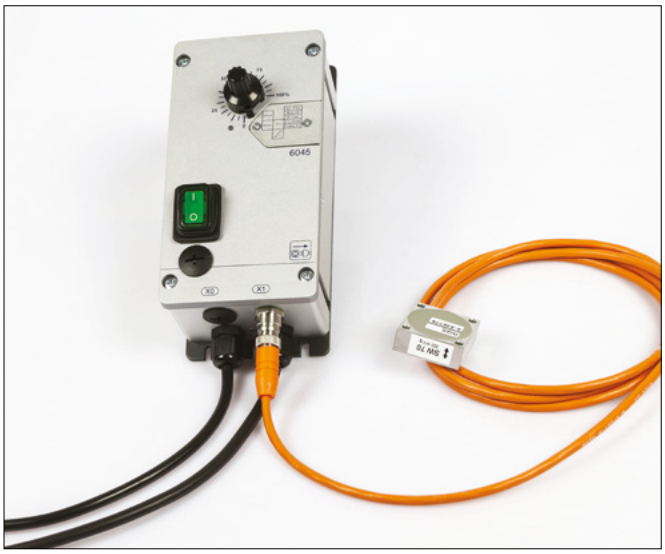
c UL us

PROFINET | EtherNet/IP

EtherCAT | CAN

PROFIBUS | DeviceNet





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Soluzioni per motori elettrici ed inverter

Filtri EMC, induttanze e resistenze di frenatura

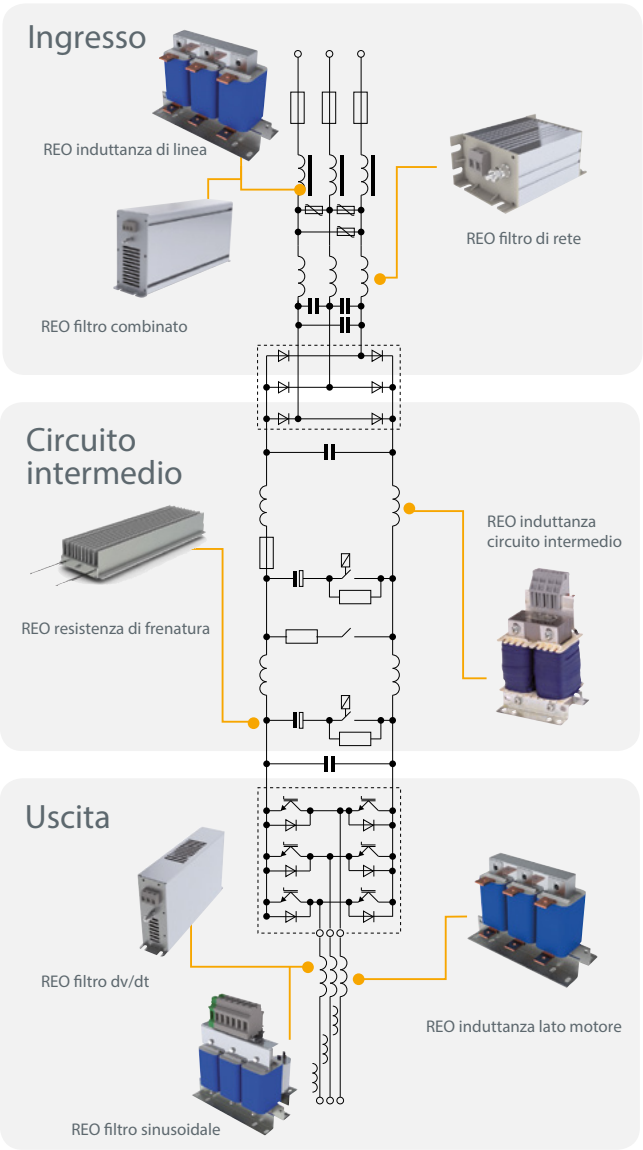
REO fornisce ai propri clienti prodotti per sistemi di azionamento industriali per prolungare la vita dei sistemi e garantire perdite di potenza minime ed un funzionamento sicuro:

- 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.



Industrial drive solutions

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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Soluzioni per ambiti medici

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 solutions

Medical isolation transformers with very low leakage current

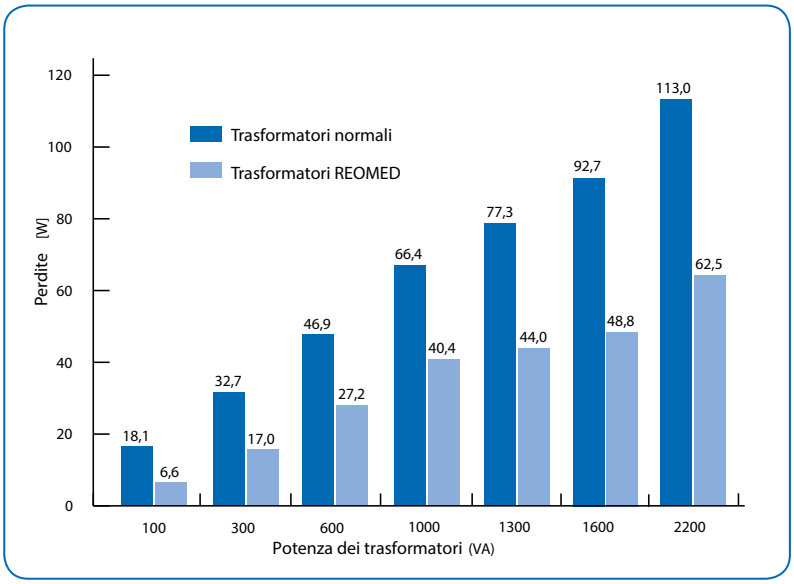
The electromedical is probably the most delicate electronics field: safety and health are imperative priorities.

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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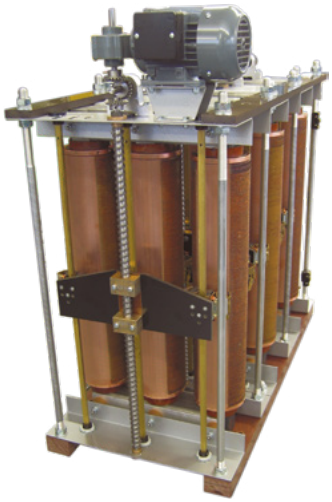
Altri prodotti REO

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

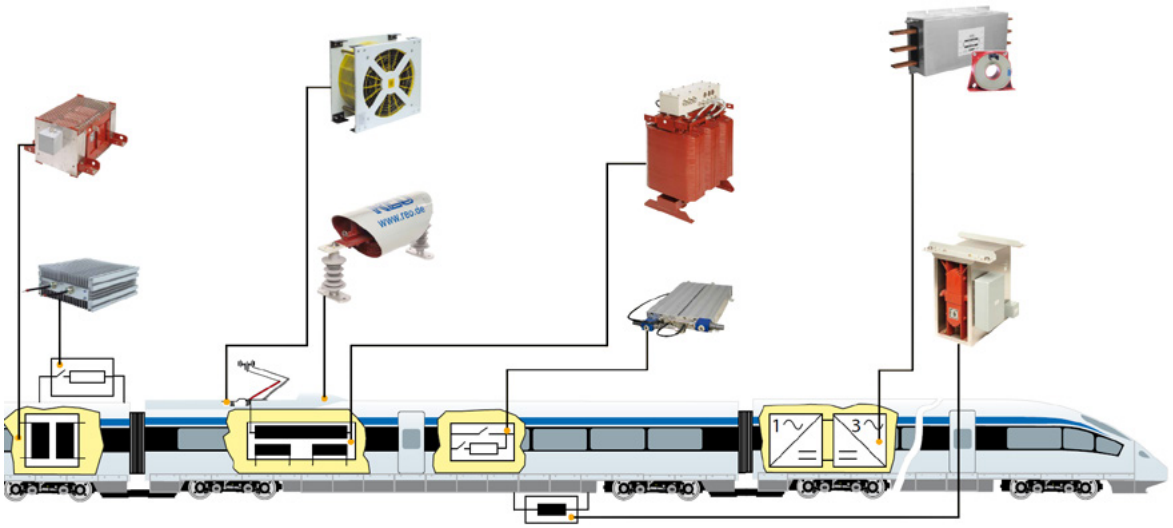
- Trasformatori fissi, variabili, a colonna, toroidali, con azionamento motorizzato, con ampi tagli di potenza e personalizzazioni.
- Trasformatori di corrente per la misura di grandezze in ambiti ferroviari, industriali o per le energie rinnovabili.
- La gamma REOLAB presenta una serie di prodotti adatti 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.



More products range

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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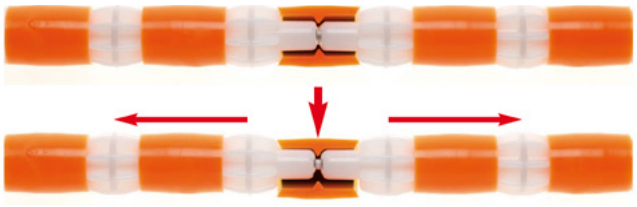
Barre di sicurezza HSC



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

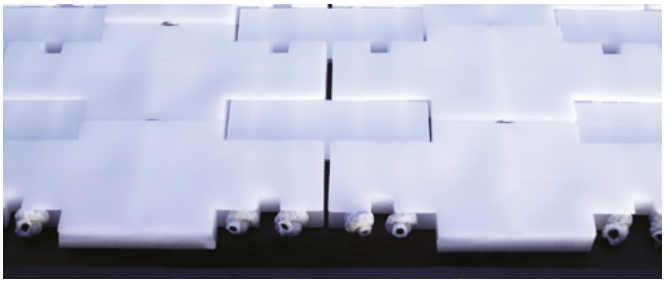
- Non è necessaria una centralina di controllo dedicata
- Collegamento diretto al modulo di sicurezza esistente
- Catena contatti azionata da ogni direzione
- Fornitura di bordi sensibili di sicurezza pronti all'uso secondo le specifiche del cliente
- Modelli adatti per ogni applicazione:
  - Interno/asciutto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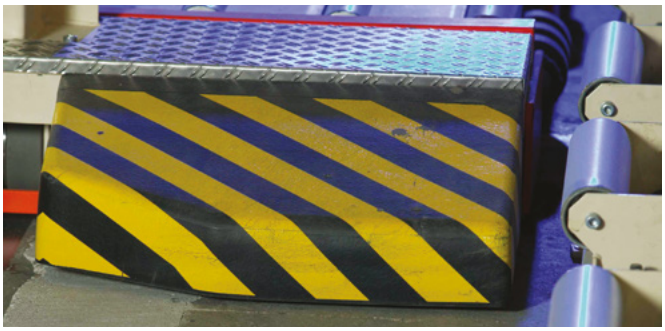
Bumper HSB

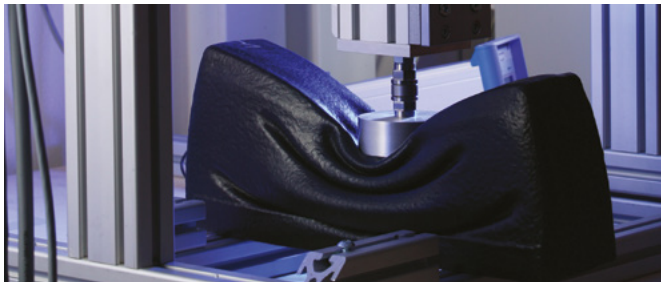
HSB® - Bumper di sicurezza con contatti meccanici ad apertura obbligata

- 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

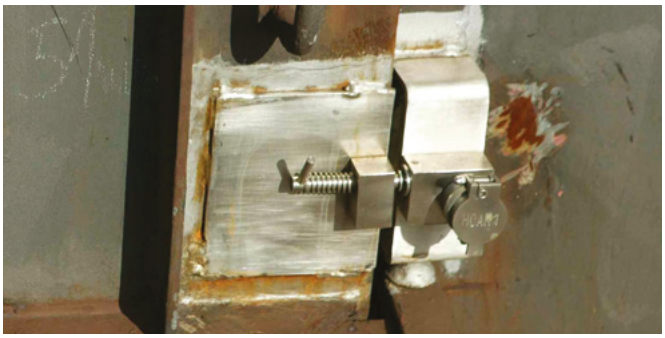
HST® - Inteblocchi di sicurezza a chiave intrappolata

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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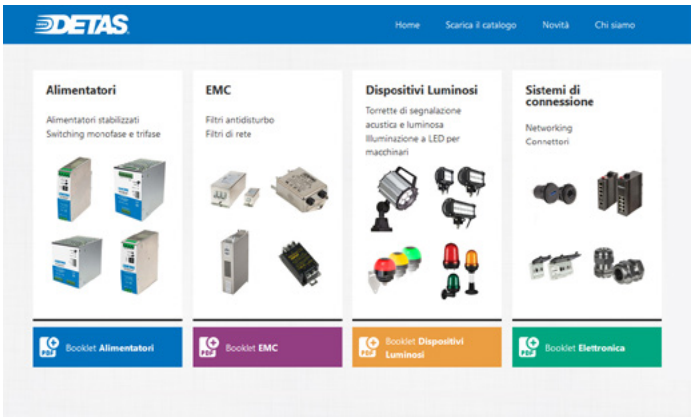

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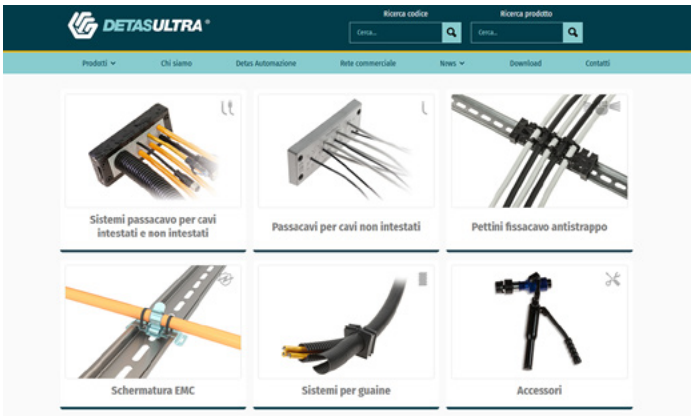
Alimentatori stabilizzati switching monofase e trifase. Filtri antidisturbo e filtri di rete.

Switch mode power supplies, single phase and three phases. Transient suppressors and power line filters.



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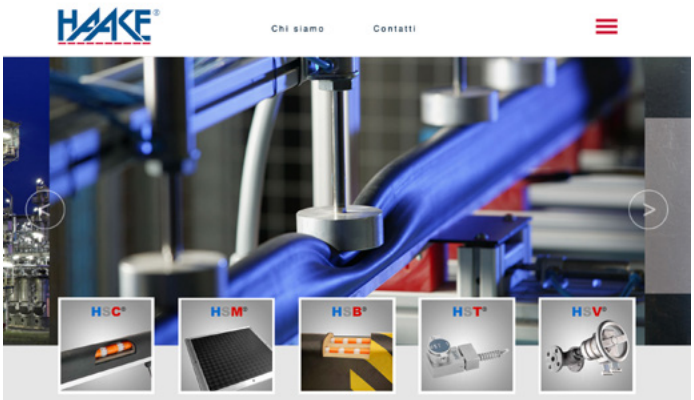

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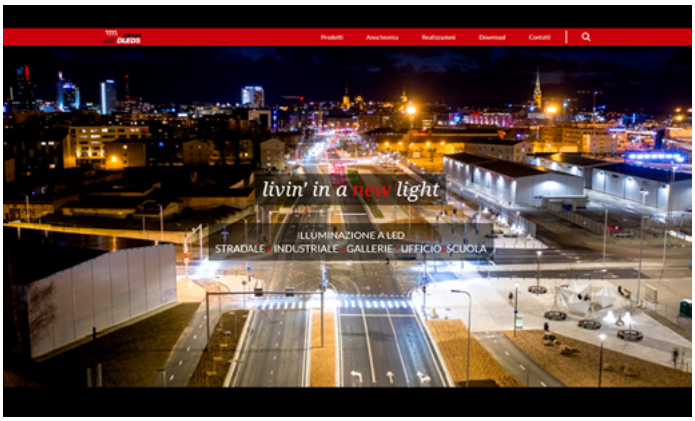

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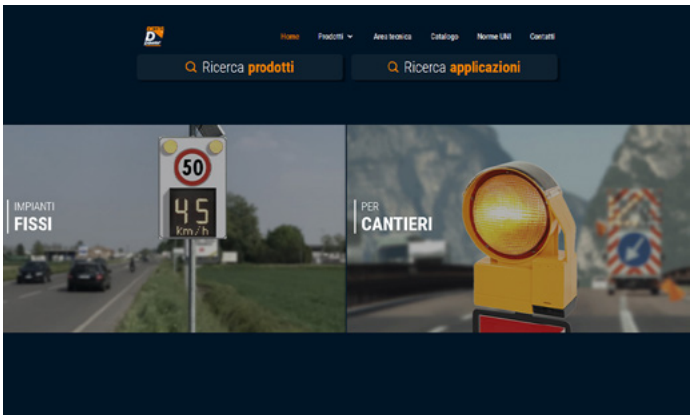

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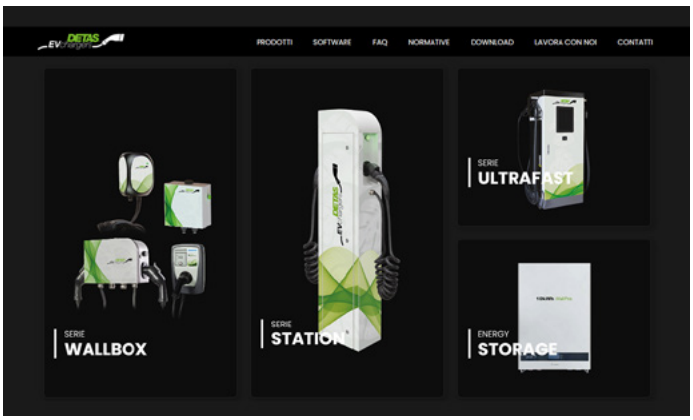

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