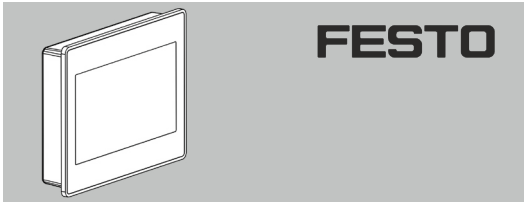


CDPX-X-B-W-7



Brief description
Kurzbeschreibung

Festo SE & Co. KG
Ruiter Straße 82
73734 Esslingen
Deutschland
+49 711 347-0
www.festo.com

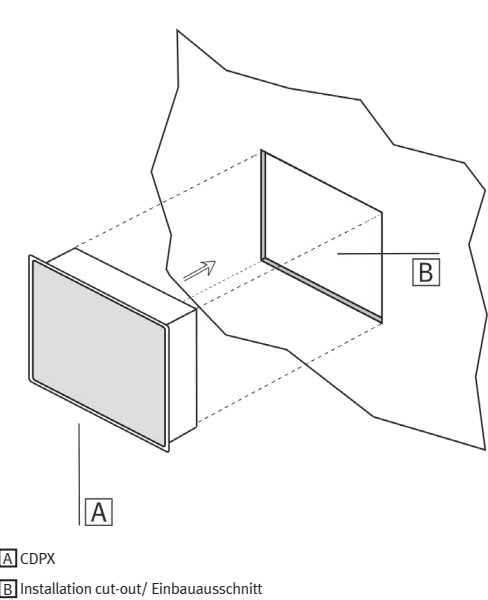
2022-03

8172463

Technical specifications/ Technische Merkmale

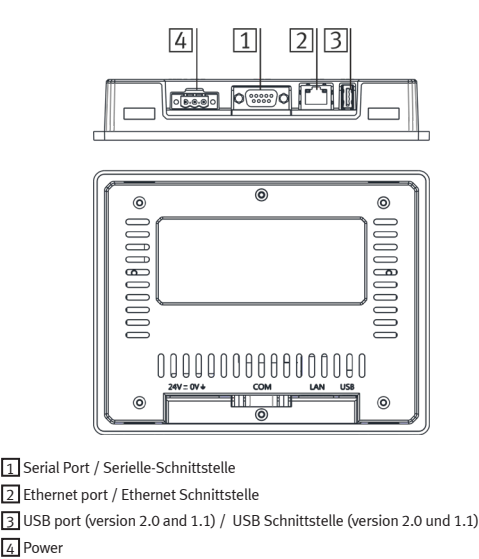
Power supply / Spannungsversorgung		
Power supply voltage / Eingangsspannung	10 - 32 V DC	
Current consumption Stromaufnahme	0.30 A at 24 V DC 0.30 A bei 24 V DC	
Back-up battery / Back-up Batterie	Supercapacitor Superkondensator	
Fuse / Sicherung	Automatic Selbsttätig	
Environmental conditions / Umgebungsbedingungen		
Operating temperature / Betriebstemperatur	0 - +50° C	EN 60068-2-14
Storage temperature / Lagertemperatur	-20 - +70° C	EN 60068-2-14
Operating and storage humidity / Betriebs- und Lagerfeuchtigkeit	5 - 85%RH non-condensing nicht kondensierend	EN 60068-2-30
Vibration / Schwingungen	5 - 9 Hz, 7 mm peak / Spitze 9 - 150 Hz, 1 G	EN 60068-2-6
Shock / Erschütterung	50 g, 11 ms, 3 pulses per axis	EN 60068-2-27
Protection class / Schutzklasse	Front IP66 Rear IP20	EN 60529
Touchscreen reliability / Touchscreen-Zuverlässigkeit	>1 million operations >1 Millionen Operationen	

Fixing bracket/ Befestigung



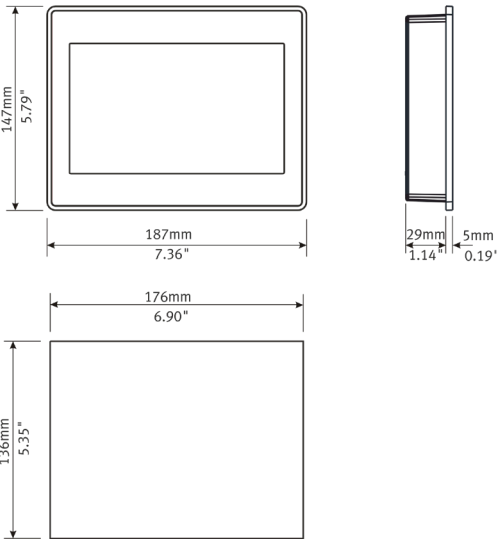
- A CDPX
B Installation cut-out/ Einbauausschnitt

Connections/ Anschlüsse

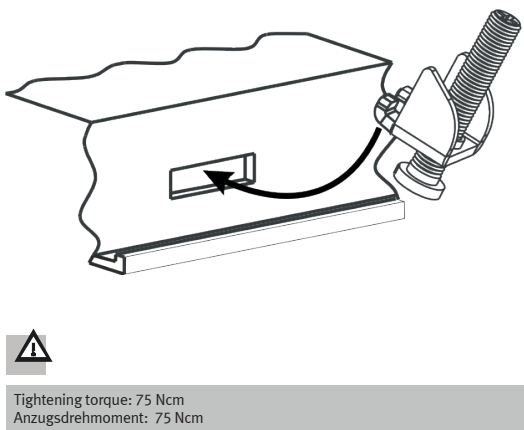


Extra low voltage power supply / Limited power source.
Kleinspannung Stromversorgung / Limitierte Stromquelle.

Dimensions cut-out / Abmessungen-Einbauausschnitt



Electromagnetic Compatibility (EMC) / Elektromagnetische Kompatibilität (EMK)		
Emitted interference / Ausgesandte Interferenz	Classe A / Klasse A	EN 55011
Immunity to radiated radio frequency for electromagnetic fields / Funkverträglichkeit für elektromagnetische Felder	80 MHz - 1 GHz, 10 V/m 1.4 GHz - 2 GHz, 3 V/m 2 GHz - 2.7 GHz, 1V/m	EN 61000-4-3
Immunity to disturbances induced by radio frequency fields / Verträglichkeit gegen Störungen induziert durch Radiofrequenzfelder	0.15 - 80 MHz, 10V	EN 61000-4-6
Immunity to interference, burst / Störfestigkeit, Burst	2 KV power supply / 2 KV Stromzufuhr 1 KV signal lines / 1 KV Signallinien	EN 61000-4-4
Electrostatic discharge / Elektrostatische Entladung	8 KV in air 4 KV contact 8 KV in der Luft 4 KV Kontakt	EN 61000-4-2
Interfaces / Schnittstellen:		
-Serial port / -Serielle-Schnittstelle	RS-232, RS-422, RS-485, 9-pin sub-D connector 300 - 115200 baud, software configurable / RS-232, RS-422, RS-485, 9-poliger Sub-D Stecker 300 - 115200 baud, Software konfigurierbar	
-Ethernet port / Ethernet Schnittstelle	RJ45 10/100 Mbit/s	
-USB port / USB Schnittstelle	Host version 2.0, max. 500 mA	
Others: / Sonstiges:		
-Real time clock -Echtzeituhr	Clock and calendar with Supercapacitor back-up / Uhr und Kalender mit Superkondensator	
-Accuracy RTC -Genauigkeit RTC	<100ppm at 25°C <100ppm bei 25°C	
-Programming software -Programmiersoftware	Designer Studio CDPX	

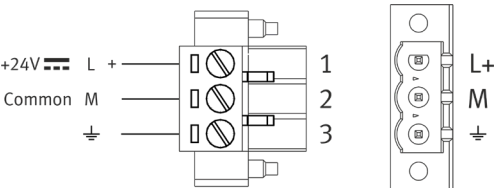


Tightening torque: 75 Ncm
Anzugsdrehmoment: 75 Ncm

Power supply/ Spannungsversorgung



Extra low voltage power supply / Limited power source.
Kleinspannung Stromversorgung / Limitierte Stromquelle.

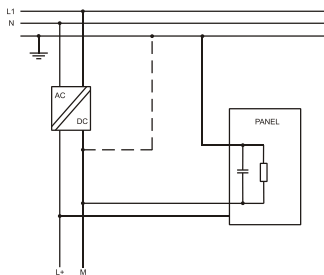


DC Power Connector - AWG24 wire size - R/C Terminal Blocks (XCFR2), Female pitch 5.08mm, torque 4.5 lb-in (50Ncm)

DC Spannungs-klemme - AWG24 Drahtstärke - R/C Terminal Block (XCFR2), weibloch Teilung 5.08mm, Drehmoment 4.5 lb-in (50Ncm)

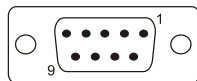


Don't open the panel rear cover when the power supply is applied.
Das Bediengerät nicht unter Spannung öffnen.



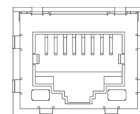
Ensure that the power supply has enough power capacity for the operation of the equipment.
Stellen Sie sicher, dass die Spannungsversorgung genügend Leistungskapazität für den Betrieb des Gerätes aufweist.

Serial Port connector and pin assignment/ Serielle Schnittstelle mit Pin Zuordnung



Pin	Description / Beschreibung
1	GND
2	
3	TX/CHA-
4	RX/CHB-
5	
6	+5 V output (Max 100mA) +5 V Ausgang (max100mA)
7	CTS/CHB+
8	RTS/CHA+
9	

Ethernet Port / Ethernet Schnittstelle



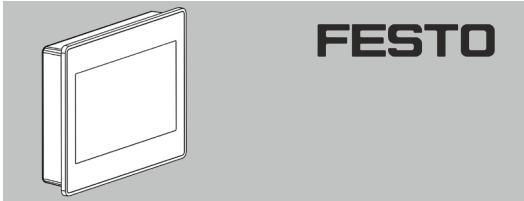
Standard RJ 45 MDIX
IEEE 802.3

Pin	Description / Beschreibung
1	TX+
2	TX-
3	RX+
4	n/c
5	n/c
6	RX-
7	n/c
8	n/c

E.g. / z.B.
Cable Pin out 568B

Pin	
1	White-Orange / Weiß-Orange
2	Orange / Orange
3	White-Green / Weiß-Grün
4	Blue / Blau
5	White-Blue / Weiß-Blau
6	Green/Grün
7	White-Brown / Weiß-Braun
8	Brown / Braun

CDPX-X-B-W-7



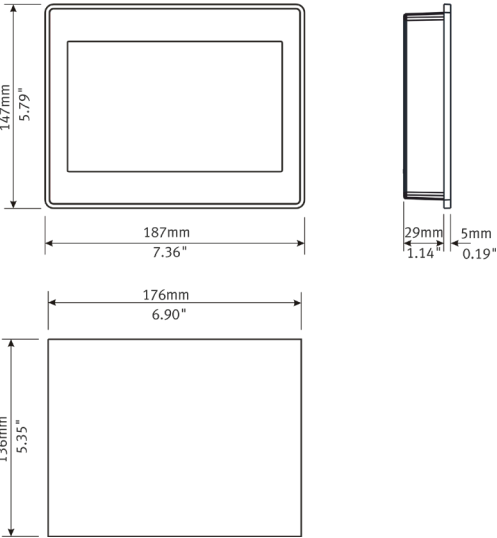
Brief description
Descripción resumida

Festo SE & Co. KG
Ruiter Straße 82
73734 Esslingen
Deutschland
+49 711 347-0
www.festo.com

2022-03

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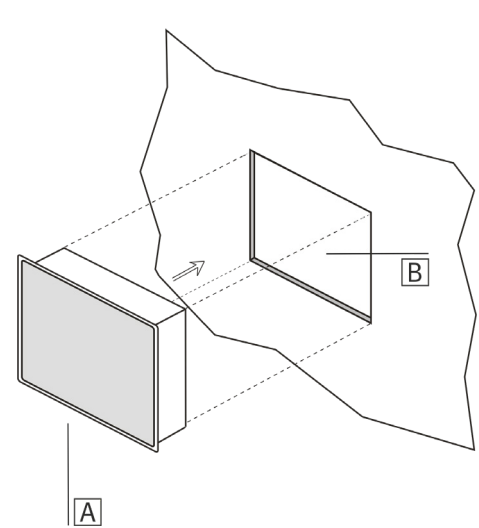
Dimensions cut-out / Dimensiones de hueco para montaje



Technical specifications/ Características técnicas

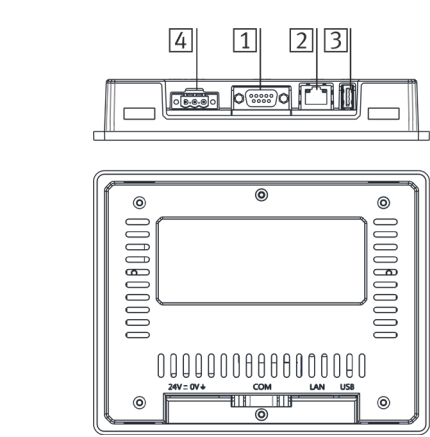
Power supply / Spannungsversorgung		
PPower supply voltage / Tensión de entrada	10 - 32 V DC	
Current consumption / Consumo de corriente	0.30 A at 24 V DC 0.30 A bei 24 V DC	
Back-up battery / Bateria de reserva	Supercapacitor Supercondensador	
Fuse / Fusible	Automatic automático	
Environmental conditions / condiciones ambientales		
Operating temperature / Temperatura de servicio	0 - +50° C	EN 60068-2-14
Storage temperature / Temperatura de almacenamiento	-20 - +70° C	EN 60068-2-14
Operating and storage humidity / Humedad de servicio y de almacenamiento	5 - 85%RH non-condensing sin condensación	EN 60068-2-30
Vibration / Vibraciones	5 - 9 Hz, 7 mm peak / pico 9 - 150 Hz, 1 G	EN 60068-2-6
Shock / Sacudida	50 g, 11 ms, 3 pulses per axis / impulsos por eje	EN 60068-2-27
Protection class / Clase de protección	Front IP66 / Delante IP 66 Rear IP20 / Detrás IP 20	EN 60529
Touchscreen reliability / Fiabilidad de la pantalla táctil	>1 million operations >1 millone de operaciones	

Fixing bracket/ Fijación



- A CDPX
B Installation cut-out/ Hueco para montaje

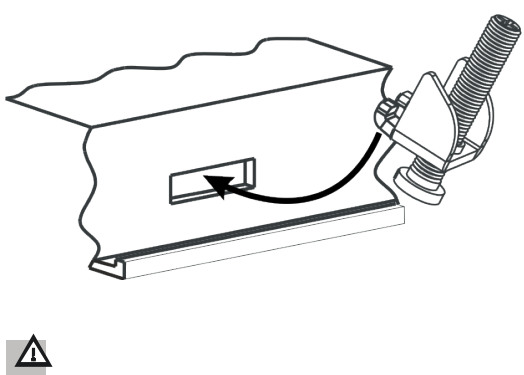
Connections/ Tomas de conexión



- 1 Serial Port / Interfaz serie
2 Ethernet port / Interfaz Ethernet
3 USB port (version 2.0 and 1.1) / interfaz USB (versiones 2.0 y 1.1)
4 Power / Alimentación



Extra low voltage power supply / Limited power source.
Kleinspannung Stromversorgung / Limitierte Stromquelle.

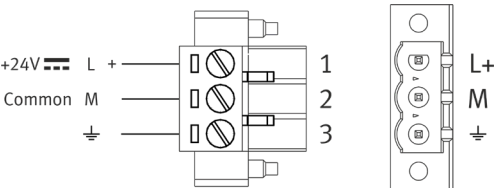


Tightening torque: 75 Ncm
Par de apriete: 75 Ncm

Power supply/ Alimentación



Extra low voltage power supply / Limited power source.
Alimentación de corriente de bajo voltaje/fuente de alimentación limitada.

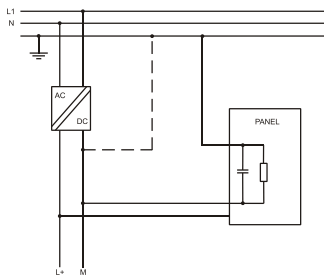


DC Power Connector - AWG24 wire size - R/C Terminal Blocks (XCFR2), Female pitch 5.08mm, torque 4.5 lb-in (50Ncm)

Conector de alimentación CC, hembra R/C regleta de terminales (XCFR2), fabricado por Weidmuller Inc., catálogo nº BLZ 5.08, par de apriete 4,5 lb-in

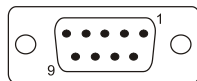


Don't open the panel rear cover when the power supply is applied.
No se debe abrir la unidad de indicación y control bajo tensión.



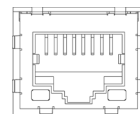
Ensure that the power supply has enough power capacity for the operation of the equipment.
Asegúrese de que la fuente de alimentación tiene suficiente capacidad de potencia para el funcionamiento del dispositivo.

Serial Port connector and pin assignment/ Interfaz serie con asignación de pines



Pin	Description / Descripción
1	GND
2	
3	TX/CHA-
4	RX/CHB-
5	
6	+5 V output (Max 100mA) Salida de +5 V (máx. 100 mA)
7	CTS/CHB+
8	RTS/CHA+
9	

Ethernet Port / Interfaz Ethernet



Standard RJ 45 MDIX
IEEE 802.3

Pin	Description / Beschreibung
1	TX+
2	TX-
3	RX+
4	n/c
5	n/c
6	RX-
7	n/c
8	n/c

E.g. / p.ej.
Cable Pin out 568B

Pin	
1	White-Orange / Blanco-Naranja
2	Orange / Naranja
3	White-Green / Blanco-Verde
4	Blue / Azul
5	White-Blue / Blanco-Azul
6	Green / Verde
7	White-Brown / Blanco-Marrón
8	Brown / Marrón

CDPX-X-B-W-7



Descrizione
Description sommaire

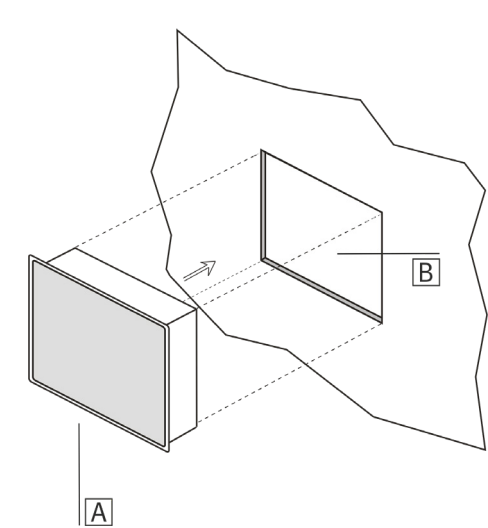
Festo SE & Co. KG
Ruiter Straße 82
73734 Esslingen
Deutschland
+49 711 347-0
www.festo.com

2022-03 8172463

Caratteristiche tecniche / Caractéristiques techniques

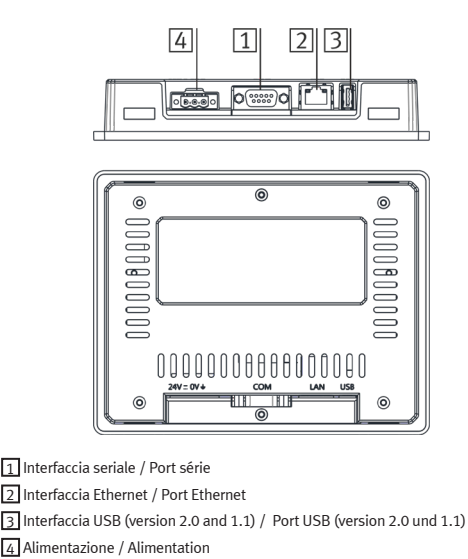
Alimentazione di tensione / Alimentation électrique		
Tensione di ingresso / Tension d'entrée	10 - 32 V DC	
Assorbimento elettrico / Intensité absorbée	0.30 A con 24 V DC 0.30 A à 24 V DC	
Batteria di back-up / Pile de secours	Supercondensatore Supercondensateur	
Fusibile / Fusible	Automatico automatique	
Condizioni ambientali / Conditions d'environnement		
Temperatura d'esercizio / Température de service	0 - +50° C	EN 60068-2-14
Temperatura di stoccaggio / Température de stockage	-20 - +70° C	EN 60068-2-14
Umidità d'esercizio e di stoccaggio / Humidité pour le fonctionnement et le stockage	5 - 85% RH senza formazione di condensa / 5 - 85 % HR sans condensation	EN 60068-2-30
Vibrazioni / Vibrations	5 - 9 Hz, picco 7 mm / 5 - 9 Hz, pointe de 7 mm 9 - 150 Hz, 1 G	EN 60068-2-6
Scossa / Choc	50 g, 11 ms, 3 impulsi per asse / 50 g, 11 ms, 3 impulsions par axe	EN 60068-2-27
Classe di protezione / Classe de protection	Anteriore IP66 / Avant IP66 Posteriore IP20 / Arrière IP20	EN 60529
Affidabilità del touchscreen / Fiabilité de l'écran tactile	> 1 milione di operazioni / > 1 million d'opérations	

Fissaggio / Fixation



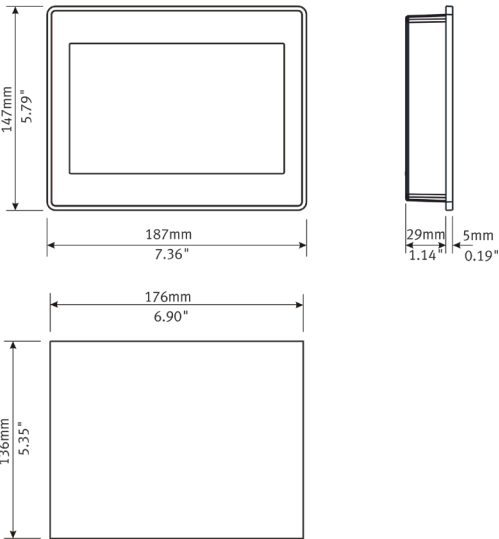
- A CDPX
B Installazione taglio / Découpe de montage

Attacchi / Connexions

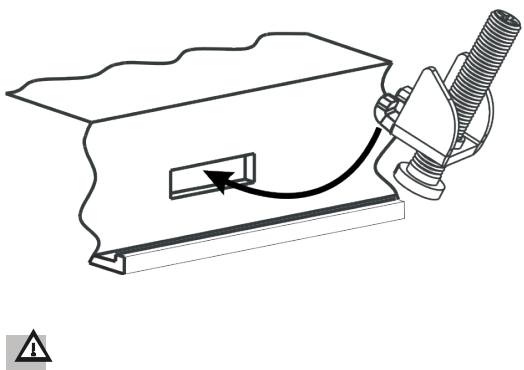


Tutti i raccordi sono SELV (bassissima tensione di sicurezza)
Toutes les connexions sont SELV (très basse tension)

Dimensioni taglio / Dimensions de la découpe de montage



Compatibilità elettromagnetica (EMK) / Compatibilité électromagnétique (CEM)		
Interferenza emessa / Emission d'interférences	Classe A / Classe A	EN 55011
Compatibilità radio per campi elettromagnetici / Perturbation des champs électromagnétiques	80 MHz - 1 GHz, 10 V/m 1.4 GHz - 2 GHz, 3 V/m 2 GHz - 2.7 GHz, 1V/m	EN 61000-4-3
Tolleranza disturbi indotta dovuta ai campi di frequenze radio / Immunité aux interférences des fréquences radio	0.15 - 80 MHz, 10V	EN 61000-4-6
Immunità ai disturbi, burst / Immunité au bruit, burst	2 KV alimentazione di corrente / 2 KV alimentation électrique 1 KV linee di segnale / 1 KV lignes de signaux	EN 61000-4-4
Scarica elettrostatica / Décharge électrostatique	8 KV nell'aria 4 KV contatto 8 KV dans l'air 4 KV contact	EN 61000-4-2
Interfacce: / Interfaces :		
-Interfaccia seriale / -Port série	RS-232, RS-422, RS-485, 9-pin sub-D connector 300 - 115200 baud, configurabile tramite software / RS-232, RS-422, RS-485, connecteur Sub-D 9 broches 300 - 115200 bauds, logiciel configurable	
- Porta Ethernet / Port Ethernet	RJ45 10/100 Mbit/s	
- Interfaccia USB / Port USB	Host version 2.0, max. 500 mA	
Altro: / Autres :		
- Orologio interno / Horloge temps réel	Orologio e calendario con batteria / Heure et calendrier avec pile	
-Precisione RTC	<100ppm a 25°C	
-Précision RTC	<100ppm a 25°C	
-Software di programmazione / Logiciel de programmation	Designer Studio CDPX	

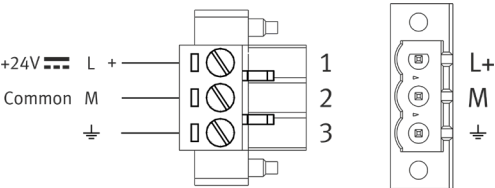


Coppia serraggio: 75 Ncm
Couple de serrage: 75 Ncm

Alimentazione di tensione / Alimentation électrique



Alimentazione a bassissima tensione di sicurezza /
Fonte di energia elettrica limitata.
Alimentation très basse tension / source de courant limitée.

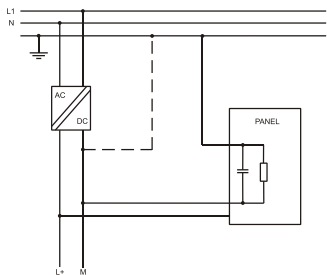


Morsetto di tensione DC, femmina - R/C blocco terminale (XCFR2), prodotto da Weidmuller Inc., catalogo n° BLZ 5.08, coppia 4,5 lb-in

Connecteur d'alimentation CC femelle - bornier R/C (XCFR2), fabriqué par Weidmuller Inc., réf. catalogue BLZ 5.08, couple 4,5 lb-in

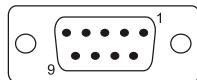


Non aprire l'apparecchio d'uso sotto tensione.
Ne pas ouvrir l'appareil lorsqu'il est sous tension.



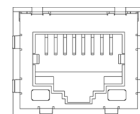
Assicurarsi che l'alimentazione di tensione presenti una capacità di prestazione sufficiente per il funzionamento dell'apparecchio.
S'assurer que l'alimentation électrique offre une puissance suffisante pour le fonctionnement de l'appareil.

Interfaccia seriale con associazione Pin / Connecteur série et affectation des broches



Pin	Descrizione / Description
1	GND
2	
3	TX/CHA-
4	RX/CHB-
5	
6	+5 V uscita (max 100 mA) / Sortie +5 V (100 mA max.)
7	CTS/CHB+
8	RTS/CHA+
9	

Porta Ethernet / Port Ethernet



Standard RJ 45 MDIX
IEEE 802.3

Pin	Description / Beschreibung
1	TX+
2	TX-
3	RX+
4	n/c
5	n/c
6	RX-
7	n/c
8	n/c

Es. / Par ex.
Cable Pin out 568B

Pin	
1	 Bianco-Aracione / Blanc-Orange
2	 Aracione / Orange
3	 Bianco-Verde / Blanc-Vert
4	 Blu / Bleu
5	 Bianco-Blu / Blanc-Bleau
6	 Verde / Vert
7	 Bianco-Marrone / Blanc-Marron
8	 Marrone / Marron