

1420961

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Flush-type connector, 5-position, PVC/PVC, gray, Socket, straight, 7/8"-16UNF, on free cable end, Front mounting, with 1/2 inch-14 NPT mounting thread, Individual wires, cable length: 1 m, 0.75 mm², CANopen®/DeviceNet™, PUR, violet

### Commercial data

Item number	1420961
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF14
Product key	BF2ICA
GTIN	4055626341521
Weight per piece (including packing)	226 g
Weight per piece (excluding packing)	226 g
Customs tariff number	85444290
Country of origin	MX



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### Technical data

#### Notes

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Trac	۵	ractr	iction

CE note	The products are offered exclusively for export outside the EU
	and the European Economic Area.

### Mounting

Mounting type	Front mounting, with 1/2 inch-14 NPT mounting thread

### Product properties

Number of positions5No. of cable outlets1Shieldedyes	Product type	Circular connectors (device side)
	Number of positions	5
Shielded yes	No. of cable outlets	1
	Shielded	yes

#### Data management status

Article revision	03
Article revision	03

#### Insulation characteristics

Overvoltage category	UL 2238 Section 38
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	V-0
Housing surface material	Al anodized
Contact material	Copper alloy
Contact surface material	Au
Contact carrier material	PVC
Material for screw connection	Anodized aluminum
Outer sheath, material	PVC

### Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	300 V AC
	300 V DC
Nominal current I <sub>N</sub>	8 A

#### Connection data

#### Conductor connection

Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	0.75 mm² (2 x AWG 18 data cable)
Tightening torque	10 lb <sub>F</sub> in.



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	1.12 Nm
hanical properties	
echanical data	
Insertion/withdrawal cycles	> 500
nector	
onnection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	7/8"-16UNF
onnection 2	
Head design	free cable end
ole/line	
Cable length	1 m
Cable type	CANopen®/DeviceNet™, PUR, violet
Cable abbreviation	U40
Cable structure	2xAWG18+2xAWG15+1xAWG18
Outer sheath, material	PVC
External sheath, color	gray
Wire diameter incl. insulation	11.43 mm
Single wire, color	red-black, blue-white
Cable cross section	0.75 mm² (2 x AWG 18 data cable)
	1.75 mm² (2 x AWG 15 power supply)
	0.75 mm² (1 x AWG 18 drain wire)
Material, inner sheath	PVC
Conductor structure signal line	19 x AWG 30
AWG signal line	18
Conductor structure, voltage supply	19 x AWG 28
AWG power supply	15
Material wire insulation	PVC (Power supply)
	Foamed PE (Data)
Twisted pairs	2 cores to the pair
Type of pair shielding	Plastic-coated aluminum foil, aluminum side outside
Overall twist	2 pairs and one drain wire to the core
Optical shield covering	65 %
ironmental and real-life conditions	
mbient conditions	
Degree of protection	IP68
	IP68



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Ambient temperature (operation)	-20 °C 80 °C (Plug)
	-20 °C 80 °C (cable, fixed installation)
tandards and regulations	

### St

Standard designation	7/8" connector
Standards/specifications	UL 2238
Note	Suitable for use in Class I, Division 2 Groups A, B, C, D hazardous locations according to ISA standard 12.12.01-2015, section 8.2 and 8.8.3

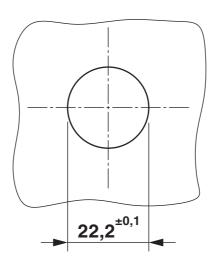


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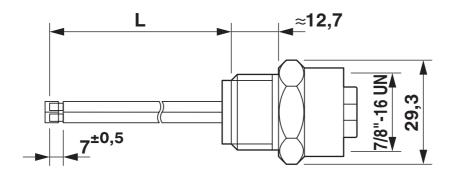
### Drawings

### Dimensional drawing



Housing cutout

### Dimensional drawing

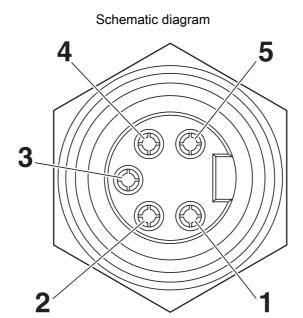


7/8" flush-type socket



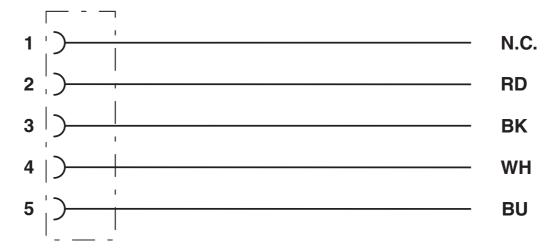
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Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side (reference image)

### Circuit diagram





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### **Approvals**

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**UL Listed** 

Approval ID: FILE E 221474



cUL Listed

Approval ID: FILE E 221474

**cULus Listed** 



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### Classifications

#### **ECLASS**

UNSPSC 21.0

	ECLASS-11.0	27440109	
	ECLASS-12.0	27440109	
	ECLASS-13.0	27440109	
ETIM			
	ETIM 8.0	EC003569	
UN	SPSC		

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### Environmental product compliance

#### EU RoHS

20 1010			
Fulfills EU RoHS substance requirements	Yes, No exemptions		
EU REACH SVHC			
REACH candidate substance (CAS No.)	No substance above 0.1 wt%		

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