

M12 female 90° B-cod. with cable shielded

PUR 3x2x0.25 shielded vt 10m

Interbus Female 90° M12, 5-pole B-coded shielded

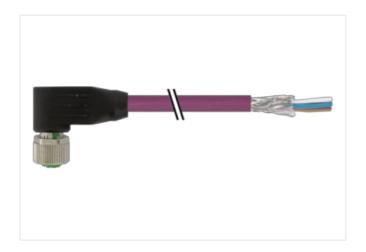
Further cable lengths on request.

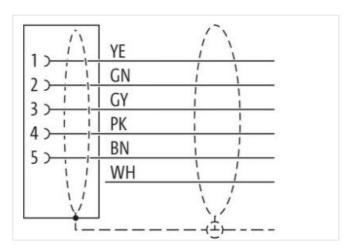
Plastic housings with good resistance against chemicals and oils.

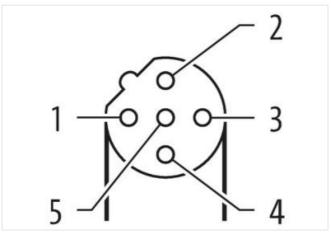
The resistance to aggressive media should be individually tested for your application. Further details on request.

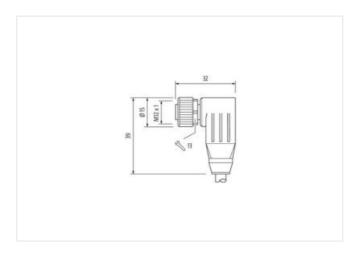
Link to Product

Illustration









Product may differ from Image











Cable length

10 m

Side 1



stay connected

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879197519
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
•	(white, brown), (gray, pink), (green, yellow)
wire arrangement	(write, brown), (gray, pink), (green, yellow)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18



stay connected

Amount stranding 3 Stranding (type 2) 1 Stranding (type 2) 3 stranded joints with 3 Filler twisted	Jacket Color	violet
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Current load capacity min. wire 3.2 A Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega \text{/km} @ 20 \text{ °C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC $60332 \cdot 2 \cdot 2 \mid \text{UL} 1581 \$ 1100 \text{ FT2} \mid \text{UL} 1581 \$ 1090$ chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing $ \text{DIN EN } 60811 \cdot 404 $ Bending radius (fixed) $6 \times \text{Outer } \text{ diameter}$ Bending radius (dynamic) $12 \times \text{Outer } \text{ diameter}$ Bending radius (dynamic) $12 \times \text{Outer } \text{ diameter}$ No. of bending cycles (C-track) $2 \text{ Mio. } @ 25 \text{ °C}$ Traversing distance (C-track) $5 \text{ m} @ 25 \text{ °C}$		
Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \ \Omega \text{/km} @ 20 \ ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $-40 \ ^{\circ}\text{C}$ Max. operating temperature (fixed) $80 \ ^{\circ}\text{C}$ Operating temperature min. (dynamic) $-30 \ ^{\circ}\text{C}$ Operating temperature max. (dynamic) $70 \ ^{\circ}\text{C}$ Flame resistance $100 \ ^{\circ}\text{C} = 00000000000000000000000000000000000$		
Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C		
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AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Moreover time temperature (fixed) Moreover time temperature (fixed) Moreover time temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C		60000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	. ,	1,5 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature min. (dynamic)	-30 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (fixed)	6 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C	Bending radius (dynamic)	12 x Outer diameter
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
	Travel speed (C-track)	3 m/s @ 25 °C