

M12 female 90° B-cod. with cable shielded

PUR 3x2x0.25 shielded vt 7.5m

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

Further cable lengths on request.

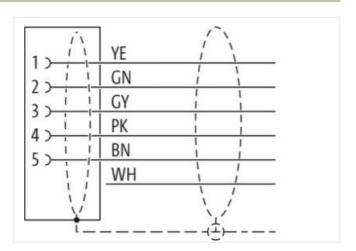
Plastic housings with good resistance against chemicals and oils.

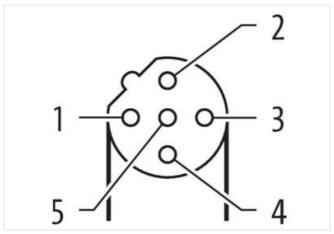
The resistance to aggressive media should be individually tested for your application. Further details on request.

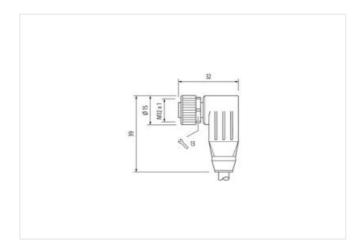
Link to Product

Illustration









Product may differ from Image









Cable length

7,5 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-7.0	27061801
ECLASS-8.0	27061801
ECLASS-9.0	27061801
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879197526
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	
Cable identification	799

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: 2024-05-09



stay connected

Amount stranding (type 2) 1 Stranding (type 2) 3 Stranded joints with 3 Filler twisted Cable shelding (type) copper braid, throad Cable shelding (type) 85 % Banding Feece Filler yes wire arrangement (white brown), (gray, pink), (green, yellow) Traversing distance (C-track) S m @ 25 °C Caple weigh 76,49 gm Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Tolerance outer diameter (sheath) 1.5 % Cuter diameter (jacket) 7.7 mm Tolerance outer diameter (sheath) 1.5 % Shaller in jacket PUR Tolerance outer diameter (sheath) 1.5 % Shore hardness wire insulation FE Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.5 mm Conductor crosssection (wire) 2.2 mm Outer diameter (sheath) 2.2 S mm Outer diameter (sheath) 3.2 S mm Outer diameter (sheath) 4.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 5.5 % Shore hardness wire insulation 1.5 mm Outer diameter (sheath) 1.5 mm Outer diame	Amount stranding	3
Amount stranding (type 2) 1 Stranding (type 2) 3 Stranded joints with 3 Filler twisted Cable shelding (type) copper braid, throad Cable shelding (type) 85 % Banding Feece Filler yes wire arrangement (white brown), (gray, pink), (green, yellow) Traversing distance (C-track) S m @ 25 °C Caple weigh 76,49 gm Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Tolerance outer diameter (sheath) 1.5 % Cuter diameter (jacket) 7.7 mm Tolerance outer diameter (sheath) 1.5 % Shaller in jacket PUR Tolerance outer diameter (sheath) 1.5 % Shore hardness wire insulation FE Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 2.5 % Shore hardness wire insulation 1.5 mm Conductor crosssection (wire) 2.2 mm Outer diameter (sheath) 2.2 S mm Outer diameter (sheath) 3.2 S mm Outer diameter (sheath) 4.5 % Shore hardness wire insulation 1.4 mm Outer diameter (sheath) 5.5 % Shore hardness wire insulation 1.5 mm Outer diameter (sheath) 1.5 mm Outer diame	Stranding	2 wires twisted
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Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 60000 pF/km Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - siacket) 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 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Conductor crosssection (wire)	0,25 mm²
Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ 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 - isacket) 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	Material conductor wire	Stranded copper wire, bare
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Current load capacity min. wire 3,2 A Characteristic impedance $100 \Omega \pm 15 \% 0 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega / \text{km} 0 20 \text{ °C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} 0 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) $1.5 \text{ kV} 0 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} 0 60 \text{ s}$ Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance $1000000000000000000000000000000000000$	Nominal voltage AC max.	125 V
Characteristic impedance 100 Ω ± 15 % @ 1 MHz 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 - iacket) 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	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 79,5 \(\Omega/\text{km} \) \(\omega \) 20 °C AC withstand voltage (wire - wire) 1,5 kV \(\omega \) 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - lacket) 1,5 kV \(\omega \) 60 s AC withstand voltage (wire - shield) 1.5 kV \(\omega \) 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 \(\graverightarrow\text{1100 FT2} \) UL 1581 \(\graverightarrow\text{1090} \) 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	Current load capacity min. wire	3,2 A
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - lacket) AC withstand voltage (wire - shield) 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) Bending radius (dynamic) 12 x Outer diameter	Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - 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	Electrical resistance line constant wire	79,5 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) 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	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
AC withstand voltage (wire - shield) AU °C Max. operating temperature (fixed) AD °C Operating temperature min. (dynamic) AD °C Operating temperature max. (dynamic) AD °C Flame resistance Flame resistance Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil 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	Electrical capacity line constant (wire - wire)	60000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil 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	Power frequency withstand voltage (wire - jacket)	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	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (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 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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	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	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	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	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	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (fixed)	6 x Outer diameter
Travel speed (C-track) 2 Mio. @ 25 °C	Bending radius (dynamic)	12 x Outer diameter
	Travel speed (C-track)	2 Mio. @ 25 °C