

M12 female 0° B-cod. with cable shielded

PUR 3x2x0.25 shielded vt 2m

Interbus Female straight M12, 5-pole B-coded shielded

Further cable lengths on request.

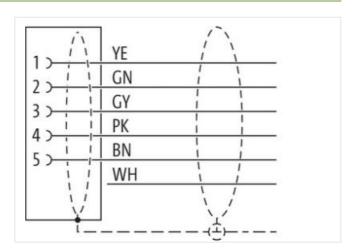
Plastic housings with good resistance against chemicals and oils.

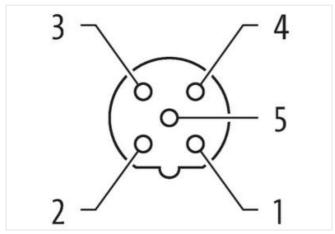
The resistance to aggressive media should be individually tested for your application. Further details on request.

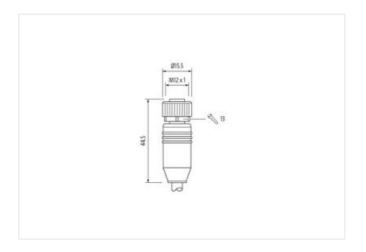
Link to Product

Illustration









Product may differ from Image











Cable length

2 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
customs tariff number	85444290
GTIN	4048879852203
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)	1,0 KV
Mechanical data Material data	
·	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material Material screw connection	Zinc die-casting
	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	
wire arrangement	(white, brown), (gray, pink), (green, yellow)
Cable identification	799
Jacket Color	violet

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: 2024-05-20



stay connected

Amount stranding	3
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	3 Stranded joints with 3 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece
Filler	yes
wire arrangement	(white, brown), (gray, pink), (green, yellow)
Cable weigth	76,49 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7,7 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	6
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm ²
Material conductor wire	Stranded copper wire, bare
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	3,2 A 100 Ω ± 15 % @ 1 MHz
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Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Characteristic impedance Electrical resistance line constant wire	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire -	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s -40 °C
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s 40 °C
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s -40 °C 80 °C -30 °C
Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s 40 °C 80 °C -30 °C 70 °C
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Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s -40 °C 80 °C -30 °C 70 °C IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing
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Characteristic impedance Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	100 Ω ± 15 % @ 1 MHz 79,5 Ω/km @ 20 °C 1,5 kV @ 60 s 60000 pF/km 1,5 kV @ 60 s 1,5 kV @ 60 s -40 °C 80 °C -30 °C 70 °C IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 6 x Outer diameter 12 x Outer diameter