

M12 female 0° A-cod. with cable shielded

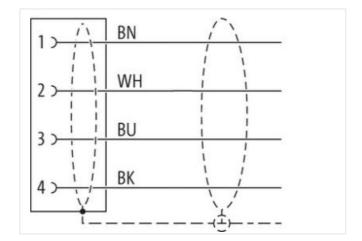
PVC 4x0.34 shielded gy 10m

Female straight M12, 4-pole shielded with cable sleeves 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. Further cable lengths on request.

Link to Product

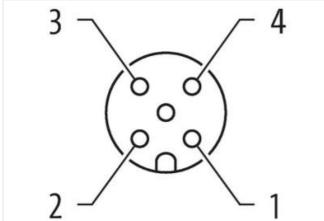
Illustration





N B

3





Product may differ from Image



Cable length

10 m

0,6 Nm

Side 1

Tightening torque

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879200219
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)	
Mechanical data Material data	
	Malalad
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
wire arrangement	brown, black, blue, white
Cable identification	330

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Amount stranding1Stranding4 wires twistedStranding factor min.74 mmStranding factor max.74 mmCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, Foilwire arrangementbrown, black, blue, whiteCable weigth53,9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %	Jacket Color	gray
Stranding factor min.74 mmStranding factor max.74 mmCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, Foilwire arrangementbrown, black, blue, whiteCable weigth53,9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5,9 mm	Amount stranding	1
Stranding factor max.74 mmCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, Foilwire arrangementbrown, black, blue, whiteCable weigth53,9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5,9 mm	Stranding	4 wires twisted
Cable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, Foilwire arrangementbrown, black, blue, whiteCable weigth53,9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5,9 mm	Stranding factor min.	74 mm
Cable shielding (coverage)85 %BandingFleece, Foilwire arrangementbrown, black, blue, whiteCable weigth53,9 g/mMaterial jacketPVCShore hardness jacket85 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)5,9 mm	Stranding factor max.	74 mm
Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue, white Cable weigth 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm	Cable shielding (coverage)	85 %
Cable weigth 53,9 g/m Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm	Banding	Fleece, Foil
Material jacket PVC Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm	wire arrangement	brown, black, blue, white
Shore hardness jacket 85 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm	Cable weigth	53,9 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm	Material jacket	PVC
Outer-diameter (jacket) 5,9 mm	Shore hardness jacket	85 Shore A
	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Tolerance outer diameter (sheath) ± 5 %	Outer-diameter (jacket)	5,9 mm
	Tolerance outer diameter (sheath)	±5%
Material wire insulation PVC	Material wire insulation	PVC
Amount wires 4	Amount wires	4
Outer diameter insulation 1,4 mm	Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation ± 5 %	Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation 85 Shore A	Shore hardness wire insulation	85 Shore A
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free
Amount strands (wire) 42	Amount strands (wire)	42
Diameter of single wires 0,1 mm	Diameter of single wires	0,1 mm
Conductor crosssection (wire) 0,34 mm ²	Conductor crosssection (wire)	0,34 mm ²
Material conductor wire Stranded copper wire, bare	Material conductor wire	Stranded copper wire, bare
Conductor type (wire) strand class 6	Conductor type (wire)	strand class 6
Max. rated voltage (conductor - conductor) 500 V	Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground) 300 V	Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard) to DIN VDE 0298-4	Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire 4,8 A	Current load capacity min. wire	4,8 A
Electrical resistance line constant wire 57 Ω/km @ 20 °C	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire) 1,5 kV @ 60 s	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - 1,5 kV @ 60 s		1,5 kV @ 60 s
AC withstand voltage (wire - shield) 1,5 kV @ 60 s	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static) -30 °C	Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed) 80 °C	Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic) -5 °C	Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic) 70 °C	Operating temperature max. (dynamic)	70 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
chemical resistance Good, application-related testing	chemical resistance	Good, application-related testing
Gasoline resistance Good, application-related testing	Gasoline resistance	Good, application-related testing
Oil resistance Good, application-related testing DIN EN 60811-404	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed) 5 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic) 15 x Outer diameter	Bending radius (dynamic)	15 x Outer diameter

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