

M12 male 0° / M12 female 0° A-cod. shielded

PUR 4x0.34 shielded gy 1m

Male straight – female straight M12 – M12, 4-pole shielded

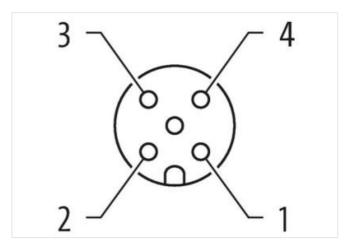
Plastic housings with good resistance against chemicals and oils.

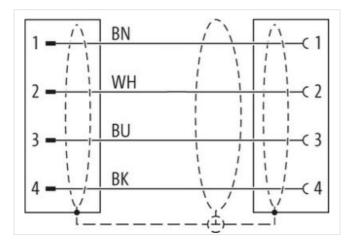
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

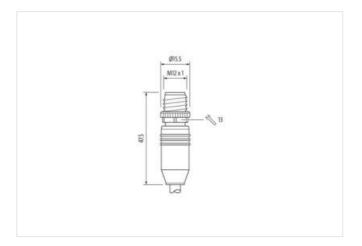
Link to Product

Illustration



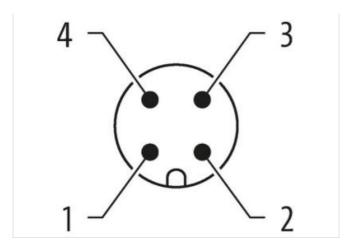


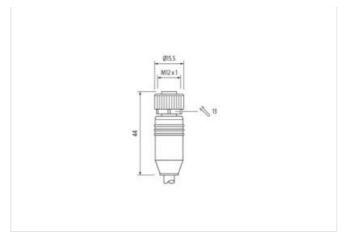






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Product may differ from Image











Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	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	4048879165761
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

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: 2024-05-06



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Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
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
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	331
Jacket Color	gray
Amount stranding	1
Stranding	4 wires twisted
Banding	Fleece, Foil
wire arrangement	brown, black, blue, white
Traversing distance (C-track)	5 m @ 25 °C
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	PVC
Color (inner jacket)	
(gray
	PVC PVC
Material wire insulation Amount wires	
Material wire insulation Amount wires	PVC
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	PVC 4 1,4 mm ± 5 %
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm 0,34 mm²
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Max. rated voltage (conductor - conductor)	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 350 V
Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground)	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 350 V 300 V
Material wire insulation Amount wires Outer diameter insulation	PVC 4 1,4 mm ± 5 % 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 350 V



Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 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 (installation)	x Outer diameter
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	0,1 Mio. @ 25 °C