

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

PUR 4x0.34 shielded gy UL/CSA+drag ch. 15m

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

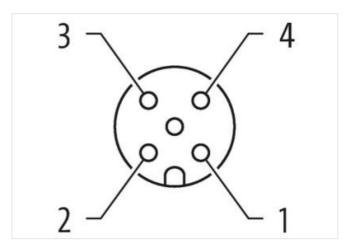
Plastic housings with good resistance against chemicals and oils.

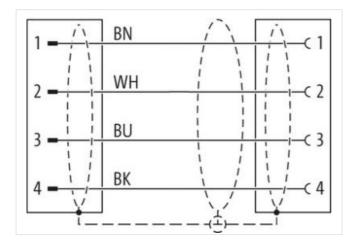
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

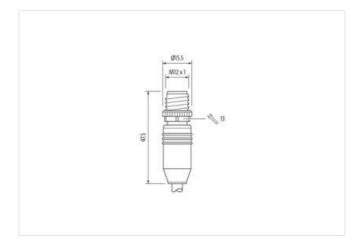
## **Link to Product**

## Illustration



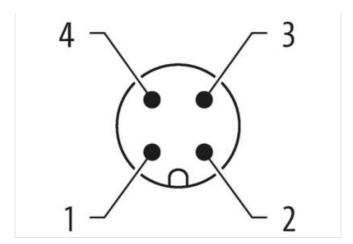


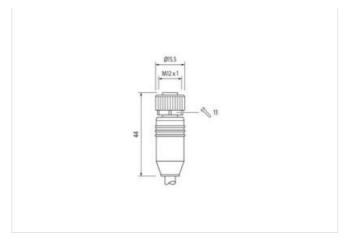






stay connected





Product may differ from Image













Cable length	15 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	4048879442886
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
	60 V

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



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Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
	iliseited, solewed
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	DIV EIV 01070-2-101 (W12)
·	•
Cable identification	241
Cable Type	3
Jacket Color Type of Certificate	gray cURus
Amount stranding	1
Amount stranding	'
Stranding	4 wires twisted
Stranding Cable shielding (type)	4 wires twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (type) Cable shielding (coverage)	copper braid, tinned 80 %
Cable shielding (type) Cable shielding (coverage) Banding	copper braid, tinned  80 %  Fleece, Foil
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth	copper braid, tinned  80 %  Fleece, Foil
Cable shielding (type) Cable shielding (coverage) Banding	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP  4  1,25 mm
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP  4  1,25 mm  ± 5 %
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP  4  1,25 mm  ± 5 %  70 ± 5 Shore D
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP  4  1,25 mm  ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP  4  1,25 mm  ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable shielding (type) Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) 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	copper braid, tinned  80 %  Fleece, Foil  brown, black, blue, white  50,6 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  5,3 mm  ± 5 %  PP  4  1,25 mm  ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  42  0,1 mm



Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
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)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min