

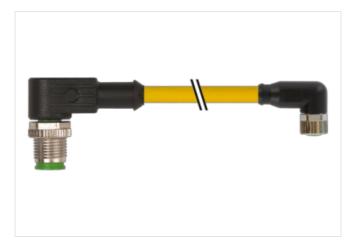
## M12 male 90° / M8 female 90° A-cod.

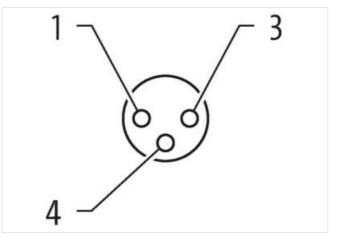
PUR 3x0.25 ye UL/CSA+drag ch. 1m

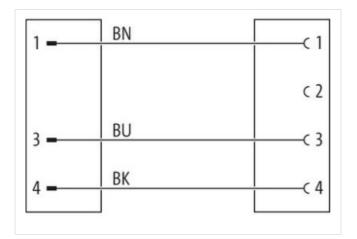
Male 90° – female 90° M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

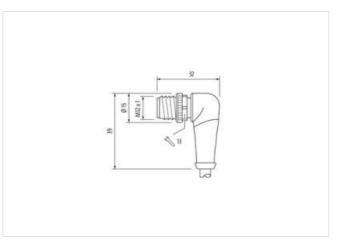
## Link to Product

## Illustration



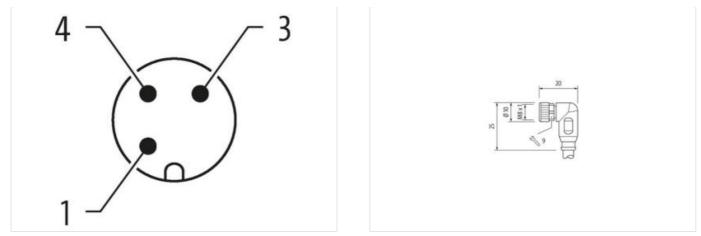






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Product may differ from Image



Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4048879158558
Packaging unit	1
Electrical data   Supply	

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Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
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	
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Installation   Cable	
	000
Cable identification	030
Cable Type	3
Cable Type Jacket Color	3 yellow
Cable Type Jacket Color Type of Certificate	3 yellow cURus
Cable Type Jacket Color Type of Certificate Amount stranding	3 yellow cURus 1
Cable Type Jacket Color Type of Certificate Amount stranding Stranding	3   yellow   cURus   1   3 wires twisted
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	3     yellow     cURus     1     3 wires twisted     brown, black, blue
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Wire arrangement No. of bending cycles (C-track) 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)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     32
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Wire arrangement No. of bending cycles (C-track) 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	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     32     0,1 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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 tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     32     0,1 mm     0,25 mm²
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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 Conductor crosssection (wire) Material conductor wire	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     32     0,1 mm     0,25 mm²     Stranded copper wire, bare
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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 Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     32     0,1 mm     0,25 mm²     Stranded copper wire, bare     strand class 6
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationIngredient freeness wire insulationAmount strands (wire)Diameter of single wiresConductor crosssection (wire)Material conductor wireConductor type (wire)Traversing distance (C-track)	3     yellow     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     70 ± 5 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     32     0,1 mm     0,25 mm²     Stranded copper wire, bare     strand class 6     10 m @ 25 °C   horizontal

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Electrical resistance line constant wire	79 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 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	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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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