

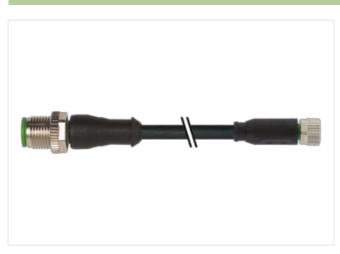
M12 male 0° / M8 female 0° A-cod.

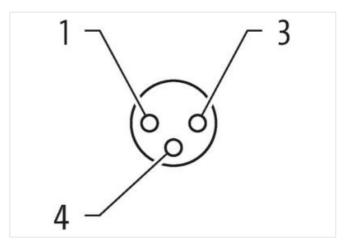
PUR 3x0.25 bk UL/CSA+robot+drag ch. 5m

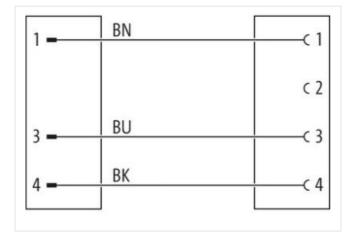
Male straight – female straight Zinc die casting, save-cover coated M12 – M8, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

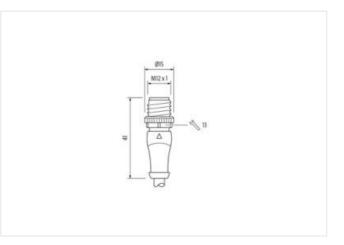
Link to Product

Illustration



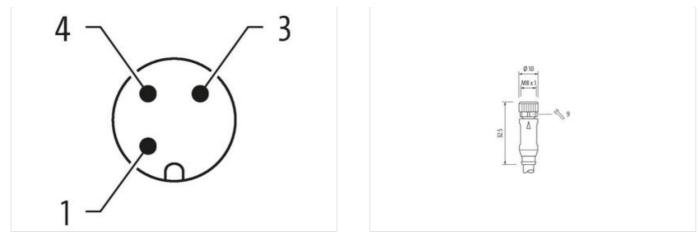






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Product may differ from Image



Side 1 Tightening torque 0,1 Mounting method ins Family construction form M Thread M suitable for corrugated tube (internal Ø) 10 Coding A Material Pt Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 Tightening torque 0,1 Mounting method ins	5 m 0,6 Nm nserted, screwed M12 M12 X M12 X M12 X M12 X M12 X M13 P0R SW13 P65, IP66K, IP67 0,4 Nm nserted, screwed M8
Tightening torque 0,1 Mounting method ins Family construction form M Thread M suitable for corrugated tube (internal Ø) 10 Coding A Material Pt Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 Tightening torque 0,4 Mounting method ins	nserted, screwed V12 V12 x 1 10 mm A PUR SW13 P65, IP66K, IP67 D,4 Nm nserted, screwed
Mounting method ins Family construction form M Thread M suitable for corrugated tube (internal Ø) 10 Coding A Material Pt Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 Tightening torque 0, Mounting method ins	nserted, screwed V12 V12 x 1 10 mm A PUR SW13 P65, IP66K, IP67 D,4 Nm nserted, screwed
Family construction form M Thread M suitable for corrugated tube (internal Ø) 10 Coding A Material PL Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 Tightening torque 0,4 Mounting method instance	V12 V12 x 1 10 mm A PUR SW13 P65, IP66K, IP67 0,4 Nm nserted, screwed
Thread M suitable for corrugated tube (internal Ø) 10 Coding A Material PL Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 Tightening torque 0, Mounting method instance	M12 x 1 10 mm A PUR SW13 P65, IP66K, IP67 0,4 Nm nserted, screwed
suitable for corrugated tube (internal Ø) 10 Coding A Material PL Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 Tightening torque 0, Mounting method instant	10 mm A PUR SW13 P65, IP66K, IP67 D,4 Nm nserted, screwed
Coding A Material PL Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 I Tightening torque 0, Mounting method instance	A PUR SW13 P65, IP66K, IP67 D,4 Nm nserted, screwed
Material Pt Width across flats St Degree of protection (EN IEC 60529) IP Side 2 Image: State st	PUR SW13 P65, IP66K, IP67 D,4 Nm nserted, screwed
Width across flats SV Degree of protection (EN IEC 60529) IP Side 2 III Tightening torque 0,- Mounting method inst	SW13 P65, IP66K, IP67 D,4 Nm nserted, screwed
Degree of protection (EN IEC 60529) IP Side 2 III Tightening torque 0, Mounting method instance	P65, IP66K, IP67 D,4 Nm nserted, screwed
Side 2 Tightening torque 0, Mounting method instant	D,4 Nm nserted, screwed
Tightening torque 0, Mounting method instant	nserted, screwed
Mounting method ins	nserted, screwed
Family construction form Ma	VIO
Thread Ma	M8 x 1
suitable for corrugated tube (internal Ø) 6,	5,5 mm
Coding A	A
Material Pl	PUR
Width across flats SV	SW9
Commercial data	
ECLASS-6.0 27	27279218
ECLASS-7.0 27	27279218
ECLASS-8.0 27	27279218
ECLASS-9.0 27	27060311
ECLASS-10.1 27	27060311
ECLASS-11.1 27	27060311
ECLASS-12.0 27	27060311
ETIM-5.0 EC	EC001855
customs tariff number 85	35444290
GTIN 40	4048879162869
Packaging unit 1	1

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Electrical data | Supply

Electrical data Supply	
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 3
Pollution Degree	
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Material gasket	FKM
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	
Cable identification	650
Cable Type	5
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Cable weigth	26,4 g/m
Material jacket	
Shore hardness jacket	-
Freedom from ingredients (jacket)	PUR
i reedoni nom ingredients (Jacket)	PUR 58 ± 3 Shore D
Outer-diameter (izakat)	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm
Tolerance outer diameter (sheath)	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 %
Tolerance outer diameter (sheath) Material wire insulation	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP
Tolerance outer diameter (sheath) Material wire insulation Amount wires	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 %
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D
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	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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)	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32
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	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32 0,1 mm
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)	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32 0,1 mm 0,25 mm ²
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	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32 0,1 mm 0,25 mm² Stranded copper wire, bare
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)	PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,3 mm ± 5 % PP 3 1,25 mm ± 5 % 74 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32 0,1 mm 0,25 mm ²

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Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
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
UV resistance	DIN EN ISO 4892-2 A
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	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m

Torsion stress

± 360 °/m

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