

M12 male 90° / M8 female 90° A-cod.

PUR 3x0.25 ye UL/CSA+robot+drag ch. 1.5m

Male 90° - female 90°

M12 - M8, 3-pole

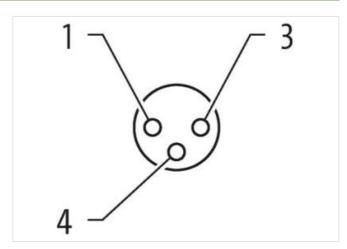
Plastic housings with good resistance against chemicals and oils.

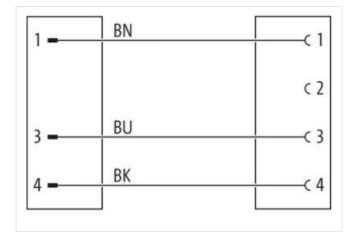
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

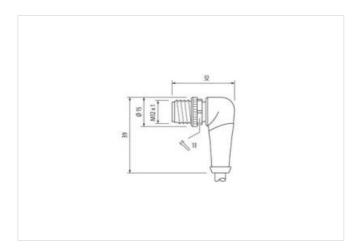
Link to Product

Illustration



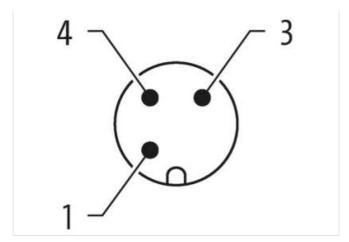








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Product may differ from Image











Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 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 Ø) 6,5 mm Material PUR Width across flats SW9 Degree of protection (EN IEC 60529) IP66K, IP67 Commercial dat ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-1.1 27060311 ECLASS-1.1.1 27060311 ECLASS-1.2.0 35444290 ECLASS-1.3.1 4048879158503	Cable length	1,5 m
Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 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 Ø) 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-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-12.0 27060311 ECLASS-13.1 27060311 ECLASS-14.2 27060311 ECLASS-15.2 27060311 ECLASS-15.3 27060311 ECLASS-16.0 27060311 ECLASS-17.0 27060311 ECLAS	Side 1	
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 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 Ø) 6,5 mm Material PUR Width across flats SW9 Degree of protection (EN IEC 60529) IP66K, IP67 Commercial date ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27269311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC01855 customs tariff number 85444290 STIN 4048879158503	Tightening torque	0,6 Nm
M12 x 1	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø) 10 mm Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Tightening torque Mounting method inserted, screwed Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 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 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 2706031 ECLASS-12.0 2	Family construction form	M12
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 MB Thread M8 x 1 suitable for corrugated tube (internal Ø) 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-9.0 27060311 ECLASS-9.0 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECIASS-12.0 27	Thread	M12 x 1
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 Ø) 6,5 mm Material PUR Width across flats SW9 Degree of protection (EN IEC 60529) IP66K, IP67 Commercial data ECLASS-6.0 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 4048879158503 Packaging unit 1	suitable for corrugated tube (internal Ø)	10 mm
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 Ø) 6,5 mm Material PUR Width across flats SW9 Degree of protection (EN IEC 60529) IP66K, IP67 Commercial data ECLASS-6.0 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060315 ECTIN-5.0 ECO01855 Countoms tariff number 85444290 STIN 4048879158503 Packaging unit 1	Material	PUR
Side 2 Tightening torque 0,4 Nm Mounting method inserted, screwed Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 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-9.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECIASS-12.0 27060311 ECIASS-10.1 4048879158503 Packaging unit 1	Width across flats	SW13
Tightening torque 0,4 Nm Mounting method inserted, screwed Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 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-9.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECIASS-12.0 85444290 GIIN 4048879158503 Packaging unit 1	Degree of protection (EN IEC 60529)	IP66K, IP67
Mounting method inserted, screwed Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 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-9.0 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECIASS-12.0 85444290 GTIN 4048879158503 Packaging unit 1	Side 2	
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Thread M8 x 1 suitable for corrugated tube (internal Ø) 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 ECLASS-12.0 ECO01855 customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	Mounting method	inserted, screwed
Suitable for corrugated tube (internal Ø) 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-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-10.0 27060311 ECLA	Family construction form	M8
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 4048879158503 Packaging unit 1	Thread	M8 x 1
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 4048879158503 Packaging unit 1	suitable for corrugated tube (internal Ø)	6,5 mm
Degree of protection (EN IEC 60529) IP66K, IP67 Commercial data P66K, IP67 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 4048879158503 Packaging unit 1	Material	PUR
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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-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	Degree of protection (EN IEC 60529)	IP66K, IP67
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 4048879158503 Packaging unit 1	Commercial data	
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 4048879158503 Packaging unit 1	ECLASS-6.0	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 4048879158503 Packaging unit 1	ECLASS-7.0	27279218
ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	ECLASS-8.0	27279218
ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 Customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	ECLASS-9.0	27060311
ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	ECLASS-10.1	27060311
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879158503 Packaging unit 1	ECLASS-12.0	27060311
GTIN 4048879158503 Packaging unit 1	ETIM-5.0	EC001855
Packaging unit 1	customs tariff number	85444290
	GTIN	4048879158503
Electrical data Supply	Packaging unit	1
	Electrical data Supply	

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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) I Mechanical data Material data Coating locking safe-cover coated Coating of fitting nickel plated	
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) I Mechanical data Material data Coating locking safe-cover coated	
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Material group (IEC 60664-1) Mechanical data Material data Coating locking safe-cover coated	
Mechanical data Material data Coating locking safe-cover coated	
Coating locking safe-cover coated	
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 min25 °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	
Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class endangered by excessive bending forces.	can be
Conformity	
Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)	
Installation Cable	
Cable identification 050	
Cable Type 5	
Jacket Color yellow	
Type of Certificate cURus	
Amount stranding 1	
Stranding 3 wires twisted	
wire arrangement brown, black, blue	
Coble weight OC 4 = /==	
Cable weigth 26,4 g/m	
Material jacket PUR	
Material jacket PUR	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP	
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Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm	
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Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm²	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm	

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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	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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	UL 1581 § 1090 UL 1581 § 1100 FT2 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m