

M8 male 90° / M12 female 90° A-cod.

PUR 3x0.25 ye UL/CSA+robot+drag ch. 0.6m

Male 90° – female 90°

M8 - M12, 3-pole

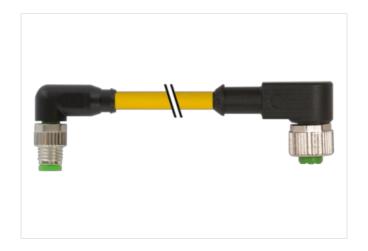
Further cable lengths on request.

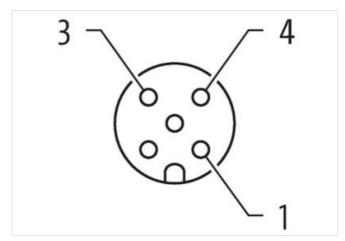
Plastic housings with good resistance against chemicals and oils.

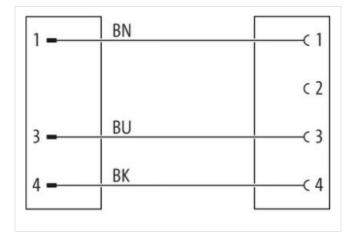
The resistance to aggressive media should be individually tested for your application. Further details on request.

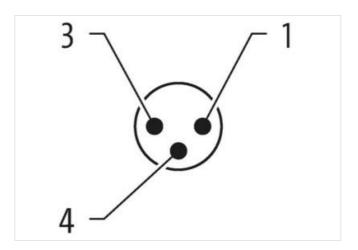
Link to Product

Illustration



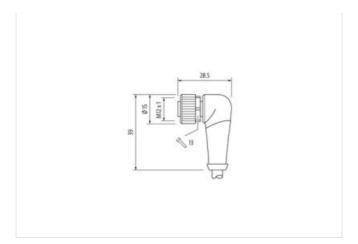


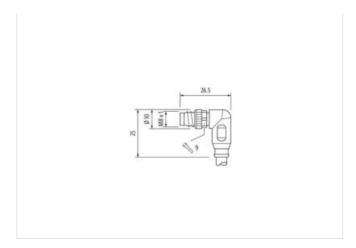






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Product may differ from Image











Cable length	0,6 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
customs tariff number	85444290
Packaging unit	1
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	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	ı
Mechanical data Material data	
Coating locking	safe-cover coated



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Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Speciating temperature man. 45 °C Seporating temperature	Material housing	PUR
Insuring method inserted, sorewed, Shaking protection Environmental characteristics Climatic 28 °C	Locking material	Zinc die-casting
Insuring method inserted, sorewed, Shaking protection Environmental characteristics Climatic 28 °C	Mechanical data Mounting data	
Environmental characteristics Climatic Decrating temperature min. 25 °C Docariang temperature max. 86 °C Conformity Important installation notes Victor on bending radius Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity **Toduct standard** Discording Tables **Toduct standard** Discording Tables **Toduct standard** Drown, Discor, Discording Tables **Toduct standard** Drown, Discording Tables **Toduct standard** Discording Tables **Toductor Consciention Discording Tables **T		inserted, screwed. Shaking protection
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Spending temperature max. 85 °C debending on cable quality debending on cable quality morporatin installation notes late on strain relief Protect the connectors by suitable measures from mechanical loads, o _d , by the usage of cable files. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Todact standard DIN EN 81076-2-101 (M12), DIN EN 81076-2-114 (M8) Installation Cable View arrangement brown, black, blue Sable Identification 050 Sable Identifi	•	
Important installation notes		
Monor tent installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	<u> </u>	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive 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), DIN EN 61076-2-114 (M8) **Installation** Din EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) **Installation** Display the standard brown, black, blue **Sable Jordinate **Installation** Display the standard brown, black, blue **Sable Jordinate **UPRUS **Installation** Display the standard brown, black, blue Display the standard bro	, ,	depending on cable quality
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Installation Cable	Note on bending radius	
Installation Cable Drown, black, blue Lable (sontification) 050 Sable (sontification) 050 Lable (Type) 5 Backet Color yellow Vype of Certificate cURus Innovant stranding 1 Stranding 3 wires twisted vire arrangement brown, black, blue Jable weight 26,4 g/m Material jacket PUR Shore hardnoss jacket 58 ± 3 Shore D Freedom from ingredients (jacket) 98 ± 3 Shore D Outer-diameter (jacket) 4,3 mm Olderance outer diameter (sebath) ± 5 % Shore but diameter (sheath) ± 5 % Shore bardness wire insulation PP Amount wires 3 Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Alternation (wire) 32 Diameter of single wire 0,1 mm Drombuctor type (wire) \$25 mm² Atterial conductor wire	Conformity	
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Cable weigth 26,4 g/m Asterial jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 4,3 mm Folerance outer diameter (sheath) ± 5 % Asterial wire insulation PP Amount wires 3 Duter diameter insulation 1,25 mm Duter diameter insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rossection (wire) 0,25 mm² Aderial conductor wire Stranded copper wire, bare Sominal voltage AC max. 300 V Coverent (load capacity (standard) to DIN VDE 0298-4 Current (load capacity min. wire 4,5 A Electrical resistance l		
Alterial Jacket PUR	Cable weigth	
Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Juter-diameter (jacket) 4,3 mm Jolerance outer diameter (sheath) ± 5 % Jolerance outer diameter (sheath) ± 5 % John John John John John John John John		
Duter-diameter (jacket)	Shore hardness jacket	58 ± 3 Shore D
Solution	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wire insulation PP Amount wires 3 Duter diameter insulation 1,25 mm Duter 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 conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Mominal 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 Dower frequency withstand voltage (wire - acket) - 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Pelame resistance UL 1581 § 1990 UL 1581 § 1100 FT2 IEC 60332-2-2	Outer-diameter (jacket)	4,3 mm
Amount wires 3 3 3 3 3 3 3 3 3	Tolerance outer diameter (sheath)	± 5 %
Duter diameter insulation 1,25 mm Duter 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 conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Shominal voltage AC max. 300 V Corrent 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 Cover frequency withstand voltage (wire - acket) 2,5 kV @ 60 s Jain, operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C	Material wire insulation	PP
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Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Minount strands (wire) 32 Diameter of single wires Onductor crosssection (wire) Onductor crosssection (wire) Onductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) strand class 6 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 Operating temperature (static) 40 °C Adv. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Frame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation I 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 conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Cower frequency withstand voltage (wire - acket) Alin. operating temperature (static) Adv. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Clame resistance UL 1581 § 1090 UL 1581 § 1100 FTZ IEC 60332-2-2	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) Diameter of single wires O,1 mm Conductor crosssection (wire) O,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 6 Nominal voltage AC max. OUR THE LOW THE	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires 0,1 mm 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 6 Mominal voltage AC max. Ourrent load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Acket) Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 \(\Omega / \text{km} \) \(\omega \) \(\omega / \text{km} \) \(\omega \) \(\omega / \text{km} \) \(\omega / \omega / \text{km} \) \(\omega / \omega / \text{km} \) \(\omega	Amount strands (wire)	32
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Conductor type (wire) strand class 6 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 \(\Omega / \text{km} \) \(\omega 0 \) \(\cdot	Conductor crosssection (wire)	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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) Ain. operating temperature (static) As operating temperature (fixed) 25 °C Apperating temperature min. (dynamic) 25 °C Apperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Clarent resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 \(\Omega / \text{kV} \) \(\emptyre 60 \text{ s} \) Power frequency withstand voltage (wire - wire) 2,5 kV \(\emptyre 60 \text{ s} \) 2,5 kV \(\emptyre 60 \text{ s} \) Alin. operating temperature (static) 40 \(^\cmthrm{C} \) Max. operating temperature (fixed) 80 \(^\cmthrm{C} / 90 \(^\cmthrm{C} \) Deperating temperature min. (dynamic) 25 \(^\cmthrm{C} \) Deperating temperature max. (dynamic) 80 \(^\cmthrm{C} / 90 \(^\cmthrm{C} \) UL 1581 \(^\string \) 1000 UL 1581 \(^\string \) 1100 FT2 IEC 60332-2-2	Nominal voltage AC max.	300 V
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 - acket) 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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 2,5 kV @ 60 s Ain. operating temperature (static) Ava. operating temperature (fixed) Ava. operating temperature (fixed) Ava. operating temperature min. (dynamic) Ava. operating	Current load capacity min. wire	· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage (wire - acket) 2,5 kV @ 60 s Ain. operating temperature (static) 40 °C Aax. operating temperature (fixed) Deperating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Electrical resistance line constant wire	
Acket) 2,5 KV @ 60 S Ain. operating temperature (static) -40 °C Aax. operating temperature (fixed) Deperating temperature min. (dynamic) -25 °C Deperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
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	Min. operating temperature (static)	-40 °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	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Operating temperature min. (dynamic)	-25 °C
	Operating temperature max. (dynamic)	
chemical resistance Good, application-related testing	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
	chemical resistance	Good, application-related testing

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



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
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min