

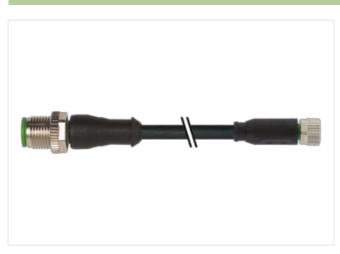
## M12 male 0° / M8 female 0° A-cod.

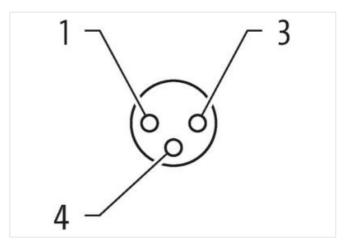
PUR 3x0.25 bk UL/CSA+robot+drag ch. 0.6m

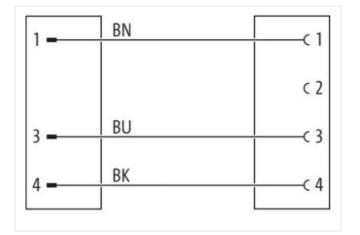
Male straight – female straight Zinc die casting, save-cover coated M12 – M8, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive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

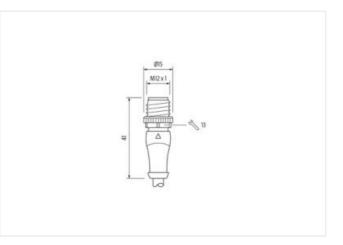
## Link to Product

Illustration



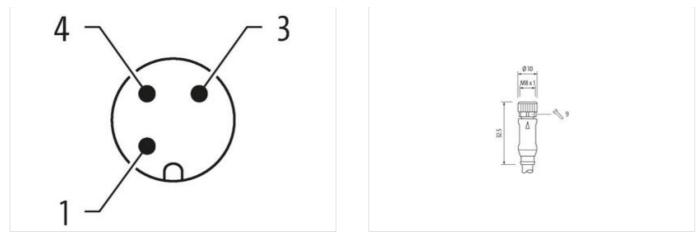






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Product may differ from Image



Cable length	0,6 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 Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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
Coding	A
Material	PUR
Width across flats	SW9
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	4048879162913
Packaging unit	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
Pollution Degree	3
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
Naterial gasket	FKM
_ocking material	Zinc die-casting
Aaterial screw connection	Zinc die-casting
Mechanical data   Mounting data	
Nounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Dperating temperature min.	-25 °C
Operating temperature max.	85 °C
additional condition temperature range	depending on cable quality
Important installation notes	
•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief Note on bending radius	
Note on strain relief Note on bending radius Conformity	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief Note on bending radius <b>Conformity</b> Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 650
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 650 5
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type lacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type lacket Color Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type lacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding vire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue
lote on strain relief lote on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type acket Color Type of Certificate Imount stranding Stranding Vire arrangement Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding Vire arrangement Cable weigth Material jacket Shore hardness jacket Treedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Treedom from ingredients (jacket) Duter-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,3 mm
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,3 mm         ± 5 %
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Cable identification Cable Type Cable Color Type of Certificate Amount stranding Stranding Vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Colerance outer diameter (sheath) Material wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,3 mm         ± 5 %         PP
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type lacket Color Type of Certificate Amount stranding Stranding Vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,3 mm         ± 5 %         PP         3
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Lacket Color Type of Certificate Amount stranding Stranding Vire arrangement Cable weigth Material jacket Shore hardness jacket Ereedom from ingredients (jacket) Duter-diameter (jacket) Colerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,3 mm         ± 5 %         PP         3         1,25 mm
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Colerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         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 %
Note on strain relief Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Duter-diameter (sheath) Material wire insulation Amount wires Duter diameter tolerance core insulation Shore hardness wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         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
Note on strain relief	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         650         5         black         cURus         1         3 wires twisted         brown, black, blue         26,4 g/m         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 %

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Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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