

## M12 male 0° / M8 female 0° A-cod.

PUR 4x0.25 ye UL/CSA+drag ch. 10m

Male straight - female straight

M12 - M8, 4-pole

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

with cable sleeves

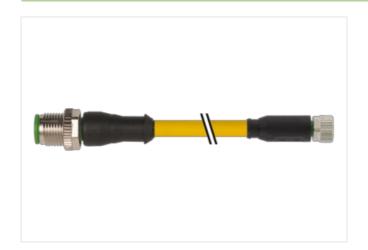
Plastic housings with good resistance against chemicals and oils.

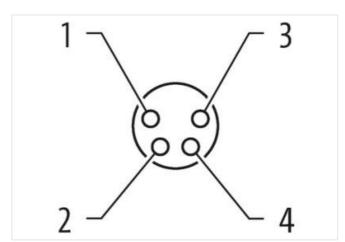
The resistance to aggressive media should be individually tested for your application. Further details on request.

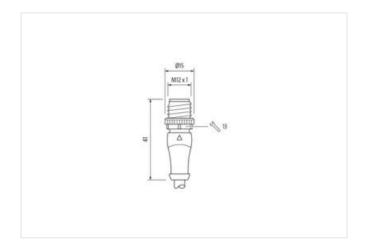
Further cable lengths on request.

## **Link to Product**

## Illustration





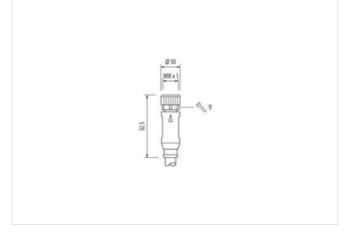






stay connected





Product may differ from Image











Cable length	10 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 contact	Copper alloy
Material	PUR
No. of poles	4
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 Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, 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



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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879162579
Packaging unit	1
Electrical data   Supply	
	F0.1/
Operating voltage AC max.  Operating voltage DC max.	50 V
	60 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	30 V 4 A
	4 A
Diagnostics	
Status indication LED	no
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
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
·	-25 °C 85 °C
Operating temperature min.	
Operating temperature min. Operating temperature max.	85 °C
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes	85 °C depending on cable quality
Operating temperature min.  Operating temperature max.  Additional condition temperature range	85 °C
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief	85 °C  depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity	85 °C  depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
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Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	85 °C  depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow  cURus
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	85 °C  depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow  cURus
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Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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	85 °C  depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow  cURus  1  4 wires twisted  brown, black, blue, white
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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	85 °C depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow  cURus  1  4 wires twisted  brown, black, blue, white  33 g/m
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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	85 °C depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow cURus 1  4 wires twisted brown, black, blue, white 33 g/m PUR
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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	85 °C depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow cURus 1  4 wires twisted brown, black, blue, white 33 g/m PUR 90 ± 5 Shore A
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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)	depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow  cURus  1  4 wires twisted  brown, black, blue, white  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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) Outer-diameter (jacket)	85 °C depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow cURus 1  4 wires twisted brown, black, blue, white 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes 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)	depending on cable quality  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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)  031  3  yellow  cURus  1  4 wires twisted  brown, black, blue, white  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free



Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 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 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 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 § 1100 FT2   IEC 60332-2-2   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 bending cycles (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m