

## M12 male 0° / M8 female 0° A-cod.

PUR 4x0.25 bk UL/CSA+drag ch. 4.8m

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.

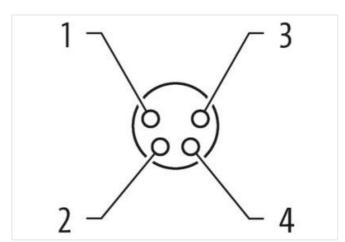
The resistance to aggressive media should be individually tested for your application. Further details on request.

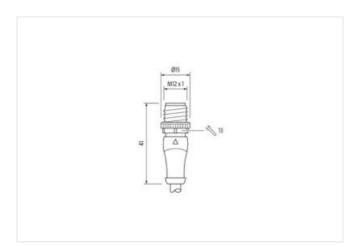
Further cable lengths on request.

## **Link to Product**

## Illustration



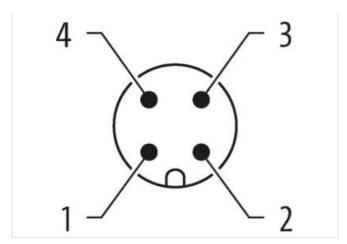








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Product may differ from Image











Cable length	4,8 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 $\emptyset$ )	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

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: 2024-04-25



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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879623100
Packaging unit	1
Electrical data   Supply	
	FO.V.
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
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)	I
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	
Mechanical data   Mounting data  Mounting method	inserted, screwed, Shaking protection
	inserted, screwed, Shaking protection
Mounting method  Environmental characteristics   Climatic	inserted, screwed, Shaking protection
Mounting method  Environmental characteristics   Climatic  Operating temperature min.	
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.	-25 °C
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-25 °C 85 °C
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity	-25 °C 85 °C depending on cable quality
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard	-25 °C 85 °C
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity	-25 °C 85 °C depending on cable quality
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631 3 black cURus
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631 3 black cURus 1
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard  Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631 3 black cURus 1 4 wires twisted
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black  cURus  1  4 wires twisted  brown, black, blue, white
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track)	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  33 g/m
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard  Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  33 g/m  PUR
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631 3 black cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631 3 black cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	-25 °C 85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631 3 black cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard  Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,5 mm  ± 5 %
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black cURus  1  4 wires twisted brown, black, blue, white  10 Mio. @ 25 °C  33 g/m PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  4,5 mm  ± 5 % PP
Mounting method  Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range  Conformity Product standard  Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 %  PP
Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	-25 °C  85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  631  3  black cURus  1  4 wires twisted brown, black, blue, white  10 Mio. @ 25 °C  33 g/m PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  4,5 mm  ± 5 % PP



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 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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
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	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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m