

M12 male 0° / M8 female 0° A-cod.

PUR 4x0.25 gy UL/CSA+drag ch. 1m

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.

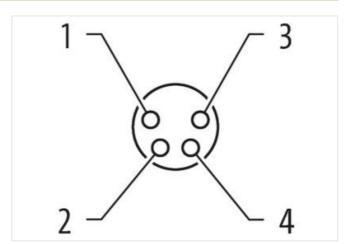
The resistance to aggressive media should be individually tested for your application. Further details on request.

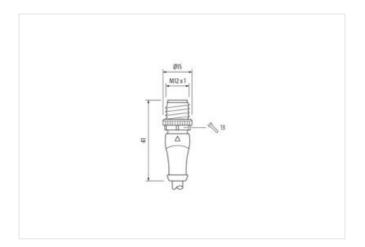
Further cable lengths on request.

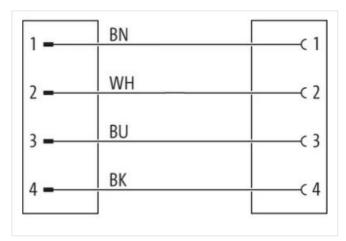
Link to Product

Illustration



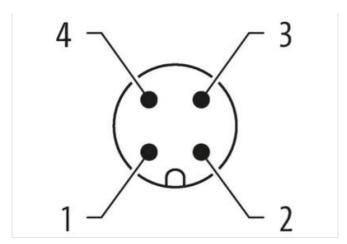


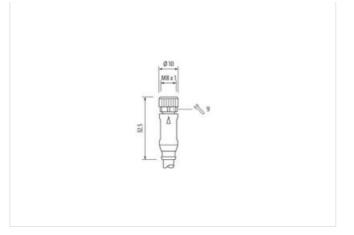






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Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width 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

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: 2024-04-20



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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879162203
Packaging unit	1
Electrical data Supply	
	50.1/
Operating voltage AC max.	50 V
Operating voltage DC max. Operating voltage AC (UL-listed)	60 V
Operating voltage DC (UL-listed)	30 V 30 V
Current operating per contact max.	4 A
	47
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	
Mounting method	inserted, screwed, Shaking protection
-	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Environmental characteristics Climatic Operating temperature min.	-25 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max.	-25 °C 85 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-25 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity	-25 °C 85 °C depending on cable quality
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard	-25 °C 85 °C
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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)
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) 231 3 gray
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) 231
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) 231 3 gray cURus 1
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) 231 3 gray cURus 1 4 wires twisted
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) 231 3 gray cURus 1 4 wires twisted brown, black, blue, white
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) 231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C
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) 231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m
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) 231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR
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) 231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A
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) 231 3 gray 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
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) 231 3 gray 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
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) 231 3 gray 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 %
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) 231 3 gray 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 % PP
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) 231 3 gray 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 % PP
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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
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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