

3

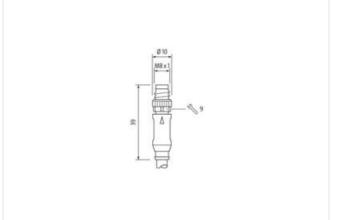
M8 male 0° / M8 female 0° A-cod.

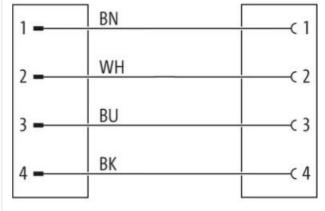
PUR 4x0.25 gy UL/CSA+drag ch. 10m

Male straight – female straight M8 – M8, 4-pole 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

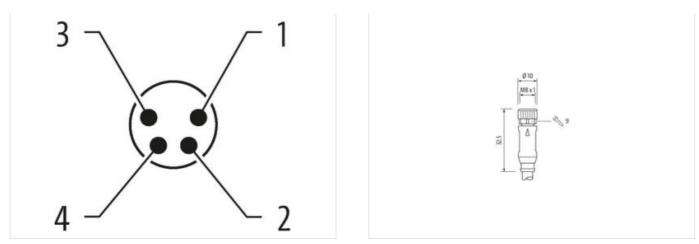






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Product may differ from Image



Cable length	10 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $Ø$ )	6,5 mm
Material contact	Copper alloy
No. of poles	4
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Material contact	Copper alloy
No. of poles	4
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879130080
Packaging unit	1
Electrical data   Supply	

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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	
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)	1
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Material housing	PUR
_ocking material	Zinc die-casting
Mechanical data   Mounting data	
· · ·	inserted, screwed, Shaking protection
Mounting method	
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	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
Note on bending radius	endangered by excessive bending forces.
Note on bending radius Conformity	
Conformity	
Conformity	endangered by excessive bending forces.
Conformity Product standard Installation   Cable	endangered by excessive bending forces. DIN EN 61076-2-114 (M8)
Conformity Product standard Installation   Cable wire arrangement	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white
Conformity Product standard Installation   Cable wire arrangement Cable identification	endangered by excessive bending forces. DIN EN 61076-2-114 (M8)
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray cURus
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray cURus 1
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray cURus 1 4 wires twisted
Conformity Product standard Installation   Cable vire arrangement Cable identification Cable Type lacket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray cURus 1 4 wires twisted brown, black, blue, white
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray cURus 1 4 wires twisted brown, black, blue, white 33 g/m
Conformity Product standard Installation   Cable wire arrangement Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray cURus 1 4 wires twisted brown, black, blue, white 33 g/m PUR
Conformity Product standard Installation   Cable wire arrangement 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)	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray 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
Conformity Product standard Installation   Cable wire arrangement 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)	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray 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 ± 5 %
Conformity         Product standard         Installation   Cable         wire arrangement         Cable identification         Cable Itype         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray 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
Conformity         Product standard         Installation   Cable         wire arrangement         Cable identification         Cable Itype         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray 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 ± 5 %
Conformity         Product standard         Installation   Cable         wire arrangement         Cable identification         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)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray 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 ± 5 % PP
Conformity         Product standard         Installation   Cable         wire arrangement         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)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Duter diameter insulation	endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         brown, black, blue, white         231         3         gray         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         ± 5 %         PP         4         1,25 mm         ± 5 %
Conformity Product standard	endangered by excessive bending forces. DIN EN 61076-2-114 (M8) brown, black, blue, white 231 3 gray 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 ± 5 % PP 4 1,25 mm

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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
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	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 bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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