

## M8 male 0° / M8 female 90° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 7.5m

Male straight - female 90°

M8 - M8, 3-pole

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

Further cable lengths on request.

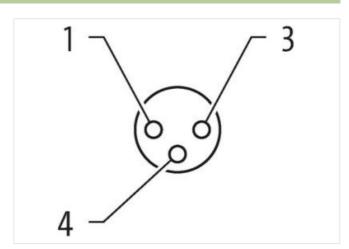
Plastic housings with good resistance against chemicals and oils.

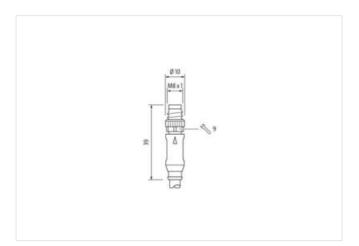
The resistance to aggressive media should be individually tested for your application. Further details on request.

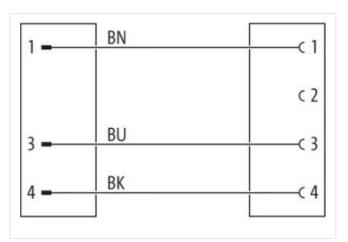
## **Link to Product**

## Illustration



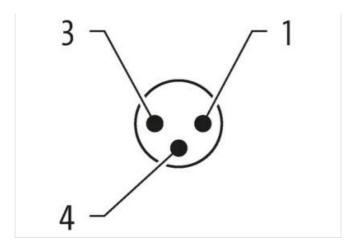








## stay connected





Product may differ from Image











Cable length	7,5 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	3
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	3
Commercial data	
ECLASS-6.0	27061801
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
customs tariff number	85444290
GTIN	4048879845793
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)	I
Mechanical data   Material data	
Coating locking	Nickeled
Material gasket	FKM
Material housing	PUR
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
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.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
Installation   Cable  Cable identification	630
•	630 3
Cable identification	
Cable identification Cable Type	3
Cable identification  Cable Type  Jacket Color	3 black
Cable identification Cable Type Jacket Color Type of Certificate	3 black cURus
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement	3 black cURus 1
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding	3 black cURus 1 3 wires twisted
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth	3 black cURus 1 3 wires twisted brown, black, blue
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket	3 black cURus 1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal 26,4 g/m PUR
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket	3 black cURus 1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal 26,4 g/m PUR 90 ± 5 Shore A
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	black cURus  1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	3 black cURus 1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	black cURus  1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal 26,4 g/m PUR 90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 %
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	black cURus  1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal  26,4 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (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	black cURus  1 3 wires twisted brown, black, blue 10 m @ 25 °C   horizontal 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (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  Outer diameter insulation	black cURus  1 3 wires twisted brown, black, blue  10 m @ 25 °C   horizontal  26,4 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 %  PP  3 1,25 mm
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (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  Outer diameter insulation  Outer diameter tolerance core insulation	black cURus  1 3 wires twisted brown, black, blue  10 m @ 25 °C   horizontal  26,4 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free  4,1 mm ± 5 %  PP  3  1,25 mm ± 5 %
Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (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  Outer diameter insulation	black cURus  1 3 wires twisted brown, black, blue  10 m @ 25 °C   horizontal  26,4 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 %  PP  3 1,25 mm



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