

M8 female 90° A-cod. with cable

PVC 3x0.25 bk UL/CSA 1.5m

Female 90° M8, 3-pole

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

with cable sleeves

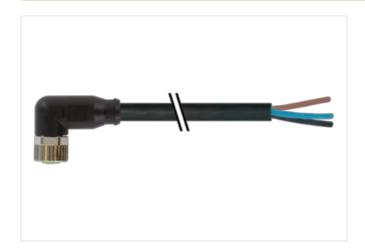
Plastic housings with good resistance against chemicals and oils.

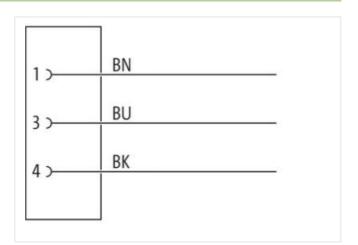
The resistance to aggressive media should be individually tested for your application. Further details on request.

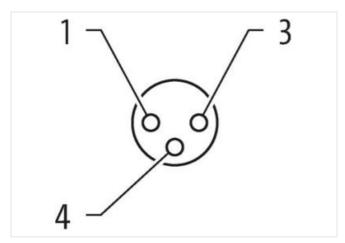
Further cable lengths on request.

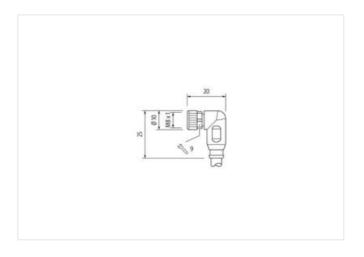
Link to Product

Illustration









Product may differ from Image











Cable length

1,5 m

Side 1

Tightening torque

0,4 Nm

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: 2024-04-02



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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
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	3 · · F ·····
	07070040
ECLASS-6.0 ECLASS-6.1	27279218
ECLASS-6.1 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218 27279218
ECLASS-9.0	
ECLASS-9.0 ECLASS-10.1	27060311 27060311
ECLASS-10.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879228503
Packaging unit	1
Electrical data Supply	
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
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
Device protection Electrical	
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
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	

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Additional condition temperature range Conformity Product slandard DIN EN 61076-2-104 (M8) Installation Cable Cable infentions Cable weight Cable we	Operating temperature min.	-25 °C
Conformity Product standard DIN En 61076-2-104 (M8) Installation Cable Installation Cable (MR) Cable identification 610 Cable Type 1 Jacked Color black (MR) Lype of Cartificate cURus Amount standing 1 Stranding 3 wire twisted wire arrangement brown, black, blue Cable weight 29,37 g/m Material jacket PVG Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4,5 mm Outer-dismeter (jacket) 4,5 mm Outer-dismeter (jacket) 4,5 mm Outer dismeter (sheath) 2.5 % Amount wires 3 Outer dismeter insulation PVG Amount wires in insulation 1.25 mm Outer dismeter insulation 1.5 % Shore hardness wire insulation 1.5 % in m Outer dismeter tolerance core insulation 2.5 % Outer dismeter insulation 1.6 Shore D User dismeter insulation 9.0 Cmmedicer insulation </td <td>Operating temperature max.</td> <td>85 °C</td>	Operating temperature max.	85 °C
Product standard DIN EN 61076-2-104 (M8)	Additional condition temperature range	depending on cable quality
Cable identification 610 Cable in Type 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigh 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freadom from ingedients (jacket) 4,5 mm Coller claimater (jacket) 4,5 mm Tolerance outer dimeter (sheath) 5 % Material wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 900 machinarbility Ingredient fereness wire insulation 900 machinarbility Ingredient fereness wire insulation 900 machinarbility	Conformity	
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Cable Type 1 Jackek Color black Jackek Color black Comment Stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (shelth) ± 5 % Material wire insulation PVC Annount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 16 ± 5 Shore D Material properties wire insulation 16 ± 5 Shore D Material properties wire insulation 16 ± 5 Shore D Improved freeness wire insulation 18 ± 5 Shore D Material properties wire insulation 18 ± 5 Shore D Unread trade (shore) 0.25 mm²	Installation Cable	
Cable Type 1 Jackek Color black Jackek Color black Comment Stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (shelth) ± 5 % Material wire insulation PVC Annount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation 16 ± 5 Shore D Material properties wire insulation 16 ± 5 Shore D Material properties wire insulation 16 ± 5 Shore D Improved freeness wire insulation 18 ± 5 Shore D Material properties wire insulation 18 ± 5 Shore D Unread trade (shore) 0.25 mm²	Cable identification	610
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Shore hardness jacket 85 ± 5 Shore A		
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Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor orssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (mydramic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1990	Material wire insulation	
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Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (tixed) 80 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Bending radius (fixed) 5 × Outer diameter	Shore hardness wire insulation	
Ingredient freeness wire insulation Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 \(\Omega \text{km} \omega \text{co} co	Material properties wire insulation	good machinability
Amount strands (wire) Diameter of single wires O,15 mm Conductor crosssection (wire) O,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - yicket) AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 430 °C Operating temperature (static) 45 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) W resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Interval A Supplication (DIN EN 160811-404) Bending radius (fixed) 5 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Amount strands (wire)	
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Diameter of single wires	0,15 mm
Conductor type (wire) Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 \(\Omega \text{l/m} \equiv 20 \circ C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - yiacket) AC withstand voltage power (wire - wire) 2 kV \(\omega \text{60 s} \) Min. operating temperature (static) 30 \circ C Max. operating temperature (fixed) 80 \circ C Operating temperature min. (dynamic) -5 \circ C Operating temperature max. (dynamic) 80 \circ C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 \(\) 1909 IEC 60332-2-2 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	Conductor crosssection (wire)	0,25 mm ²
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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 \(\Omega / \text{km} \) \(20 \text{ °C} \) Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - gacket) 2 kV \(\omega \) 60 s AC withstand voltage power (wire - wire) 2 kV \(\omega \) 60 s Min. operating temperature (static) -30 \(\text{ °C} \) Max. operating temperature (fixed) 80 \(\text{ °C} \) Operating temperature min. (dynamic) -5 \(\text{ °C} \) Operating temperature max. (dynamic) 80 \(\text{ °C} \) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 \(\xi \) 1090 IEC 60332-2-2 UL 1581 \(\xi \) 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	Conductor type (wire)	Strand class 5
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 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - piacket) AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) AS o C Max. operating temperature (fixed) Operating temperature (fixed) Operating temperature min. (dynamic) 5 ° C Operating temperature max. (dynamic) BO C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Current load capacity min. wire	4,5 A
Power frequency withstand voltage power (wire - piacket) AC withstand voltage power (wire - wire) AC woll with the following power (wire in the follo	Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Nominal voltage power AC max.	300 V
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature min. (dynamic	Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) ODIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Operating temperature min. (dynamic)	-5 °C
Flame resistance UL 1581 § 1090 IEC 60332-2-2 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	Operating temperature max. (dynamic)	80 °C
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	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter