

M8 male 0° A-cod. with cable

PVC 4x0.25 bk UL/CSA 0.5m

Male straight M8, 4-pole

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

with cable sleeves

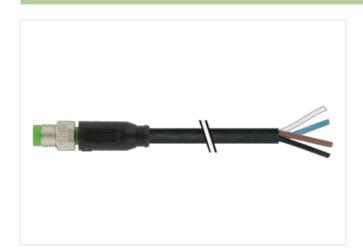
Plastic housings with good resistance against chemicals and oils.

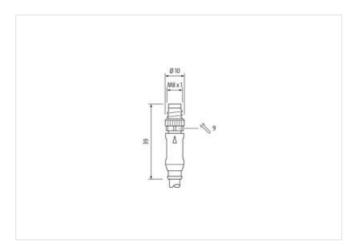
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

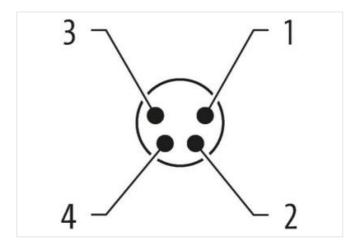
Link to Product

Illustration









Product may differ from Image











Cable length

0,5 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: 2024-05-20



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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
Cable outlet	straight
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
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Family construction form	free cable end
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	4048879571692
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage AC max. Operating voltage DC max.	50 V 60 V
Operating voltage DC max.	60 V
Operating voltage DC max. Operating voltage AC (UL-listed)	60 V 30 V
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	60 V 30 V 30 V
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max.	60 V 30 V 30 V
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics	60 V 30 V 30 V 4 A
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED	60 V 30 V 30 V 4 A
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection	60 V 30 V 30 V 4 A
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket)	60 V 30 V 30 V 4 A no
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set	60 V 30 V 30 V 4 A no
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical	60 V 30 V 30 V 4 A no 20 mm M8 x 1
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree	60 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree	60 V 30 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed 3
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage	60 V 30 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed 3
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	60 V 30 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed 3
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data	60 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed 3 1,5 kV I
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking	60 V 30 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed 3 1,5 kV I
Operating voltage DC max. Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting	60 V 30 V 30 V 4 A no 20 mm M8 x 1 inserted, screwed 3 1,5 kV I



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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	Attention: 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 61076-2-104 (M8)	
Installation Cable		
·	hyanya hiladu hili a ushita	
wire arrangement Cable identification	brown, black, blue, white 611	
Cable Type	1	
Jacket Color	black	
Type of Certificate	cURus	
Amount stranding	1	
Stranding	4 wires twisted	
wire arrangement	brown, black, blue, white	
Cable weigth	34,76 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)	4,8 mm	
Folerance outer diameter (sheath)	±5%	
Material wire insulation	PVC	
Amount wires	4	
Outer diameter insulation	1,25 mm	
Outer diameter insulation 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 crosssection (wire)	0,25 mm ²	
Material conductor wire	Stranded copper wire, bare	
Conductor type (wire)	Strand class 5	
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 kV @ 60 s	
Power frequency withstand voltage (wire - acket)	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	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	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter