

M8 male 0° / M8 female 0° A-cod. LED

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

Male straight – female straight
Zinc die casting, save-cover coated
M8 – M8, 3-pole
LED (yellow/green)
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request
Further cable lengths on request.

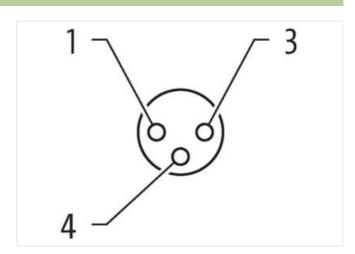
Plastic housings with good resistance against chemicals and oils.

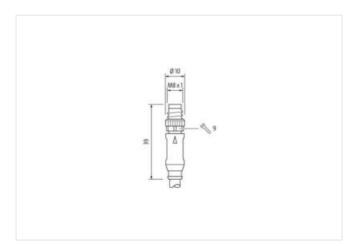
The resistance to aggressive media should be individually tested for your application. Further details on request.

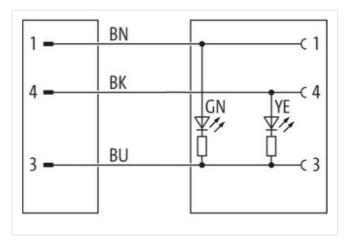
Link to Product

Illustration



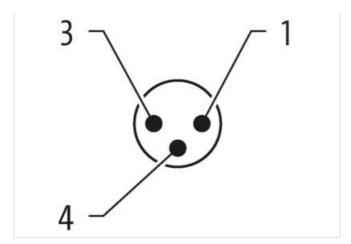








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Product may differ from Image





Side 1 Tightening torque 0.4 Nm Mounting method inserted, screwed Coating contract 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-6.1 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	Cable length	3 m
Mounting method Inserted, screwed	Side 1	
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 SW9 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 Copper alloy ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 GTIN 4048879911504 Packaging unit 1 Electrical data Supply	Tightening torque	0,4 Nm
Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal 0) 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-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 Customs tariff number 85444290 GTIN 4048879911504 Packaging unit 1 Electrical data Supply	Mounting method	inserted, screwed
Thread	Coating contact	gold plated
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 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-6.1 27279218 ECLASS-6.1 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 coustoms tariff number 85444290 GTIN 4048879911504 Packaging unit 1	Family construction form	M8
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-6.1 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 coustoms tariff number 85444290 GTIN 4048879911504 Packaging unit 1 Electrical data Supply	Thread	M8 x 1
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-6.1 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 ECLASS-12.0 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-10.0 270603	suitable for corrugated tube (internal Ø)	6,5 mm
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-6.1 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 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 Eclass-11.1 27060311 Eclass-12.0 27060311 Eclass-12.0 27060311 Eclass-12.0 2706031 Eclass-12.0 2706031 Eclass-12.0 2706031 Eclass-12.0 2	Material contact	Copper alloy
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-6.1 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 CUASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-10.1 2844290 GTIN 4048879911504 Packaging unit 1 Electrical data Supply	No. of poles	3
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-6.1 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 ELECTRICAS 404879911504 Packaging unit 1	Width across flats	SW9
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-6.1 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 4048879911504 Packaging unit 1 Electrical data Supply	Side 2	
Coating contact gold plated Family construction form M8 Thread M8 x 1 Material contact Copper alloy No. of poles 3 Commercial data 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 4048879911504 Packaging unit 1 Electrical data Supply	Tightening torque	0,4 Nm
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Material contact Copper alloy No. of poles 3 Commercial data 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 4048879911504 Packaging unit 1 Electrical data Supply	Family construction form	M8
No. of poles 3	Thread	M8 x 1
Commercial data 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 4048879911504 Packaging unit 1 Electrical data Supply	Material contact	Copper alloy
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 4048879911504 Packaging unit 1 Electrical data Supply	No. of poles	3
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 4048879911504 Packaging unit 1 Electrical data Supply	Commercial data	
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 4048879911504 Packaging unit 1 Electrical data Supply	ECLASS-6.1	27279218
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GTIN 4048879911504 Packaging unit 1 Electrical data Supply	ECLASS-12.0	27060311
Packaging unit 1 Electrical data Supply	customs tariff number	85444290
Electrical data Supply	GTIN	4048879911504
	Packaging unit	1
Operating voltage DC 24 V	Electrical data Supply	
	Operating voltage DC	24 V



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Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
·	
Coating locking	safe-cover coated
Material gasket	FKM
Material housing	PUR Zing dia casting
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	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 61076-2-114 (M8)
Installation Cable	Sit El Cioro E TTT (illo)
wire arrangement	brown, black, blue
Cable identification	650
Cable Type	5
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1 3 wires twisted
Stranding wire arrangement	brown, black, blue
Cable weigth	26,4 g/m
Material jacket	20,4 g/III PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 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

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: 2024-06-22



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	0.05
Conductor crosssection (wire)	0,25 mm ²
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	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min