

M8 male 0° / M8 female 90° A-cod. shielded

PUR 4x0.34 shielded bk UL/CSA+drag ch. 1.5m

M8 – M8, 4-pole

Male straight - female 90°

shielded

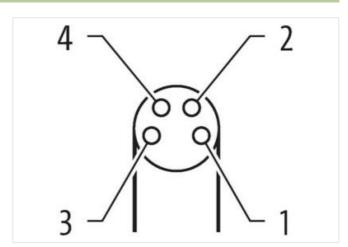
Plastic housings with good resistance against chemicals and oils.

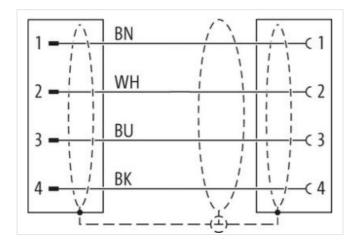
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

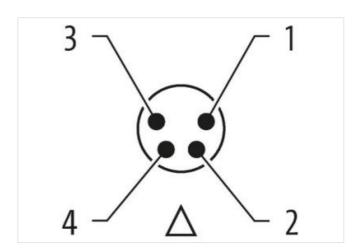
Link to Product

Illustration



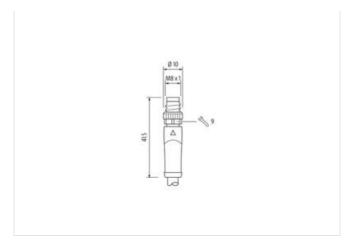


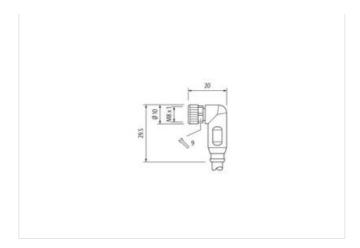






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Product may differ from Image





Mounting method inserted, screwed Coating contact gold plated Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 8.5 mm Coding A 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 suitable for corrugated tube (internal Ø) 6,5 mm Coding A Material contact Copper alloy No. of poles 4 Commercial date Copper alloy ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 2	Cable length	1,5 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) 8.5 mm Coding A Material contact Copper alloy No. of poles 4 Width across flats SW9 Side 2 Tightening torque 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 Coding A Material contact Copper alloy No. of poles 4 Coding A Commercial date ECILASS-6.0 27279218 ECILASS-6.1 27279218 ECILASS-8.0 27279218 ECILASS-9.0 27060311 ECILASS-10.1 27060311 ECILASS-12.0 27060311	Tightening torque	0,4 Nm
Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 8,5 mm Coding A 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 suitable for corrugated tube (internal Ø) 6,5 mm Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27760311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311	Mounting method	inserted, screwed
Thread M8 x 1 suitable for corrugated tube (internal Ø) 8,5 mm Coding A 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 suitable for corrugated tube (internal Ø) 6,5 mm Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-11.1 27060311	Coating contact	gold plated
suitable for corrugated tube (internal Ø) 8,5 mm Coding A Material contact Copper alloy No. of poles 4 Width across flats SW9 Side 2 Tightening torque 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 Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 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	Family construction form	M8
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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 suitable for corrugated tube (internal Ø) 6,5 mm Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27660311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311	suitable for corrugated tube (internal Ø)	8,5 mm
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 M6 x 1 suitable for corrugated tube (internal Ø) 6,5 mm Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311	Coding	A
Width across flats SW9 Side 2 Commercial data 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 Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 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	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 suitable for corrugated tube (internal Ø) 6,5 mm Coding A 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	No. of poles	4
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 Coding A 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	Width across flats	SW9
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 Coding A Material contact Copper alloy No. of poles 4 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311	Side 2	
Coating contact gold plated Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 6,5 mm Coding A 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	Tightening torque	0,4 Nm
Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 6,5 mm Coding A 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 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311	Mounting method	inserted, screwed
Thread M8 x 1 suitable for corrugated tube (internal Ø) 6,5 mm Coding A 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	Coating contact	gold plated
Suitable for corrugated tube (internal Ø) 6,5 mm Coding A 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	Family construction form	M8
Coding A 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	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	suitable for corrugated tube (internal Ø)	6,5 mm
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	Coding	A
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	Material contact	Copper alloy
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	No. of poles	4
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	Commercial data	
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ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311	ECLASS-6.1	27279218
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311	ECLASS-7.0	27279218
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ECLASS-12.0 27060311	ECLASS-10.1	27060311
	ECLASS-11.1	27060311
ETIM-5.0 EC001855	ECLASS-12.0	27060311
	ETIM-5.0	EC001855



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customs tariff number	85444290
GTIN	4048879423847
Packaging unit	1
Electrical data Supply	
	FOV
Operating voltage AC max.	50 V 60 V
Operating voltage DC max. Operating voltage AC (UL-listed)	**
Operating voltage DC (UL-listed)	30 V 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	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)
	DIT ETTOTOTO E TTT (INO)
Installation Cable	
Cable identification	641
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding Cable shielding (type)	4 wires twisted
Cable Shielding (TVNA)	copper braid, tinned
	90 %
Cable shielding (coverage)	80 %
Cable shielding (coverage) Banding	Fleece, Foil
Cable shielding (coverage) Banding wire arrangement	Fleece, Foil brown, black, blue, white
Cable shielding (coverage) Banding wire arrangement Cable weigth	Fleece, Foil brown, black, blue, white 50,6 g/m
Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket	Fleece, Foil brown, black, blue, white 50,6 g/m PUR
Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	Fleece, Foil brown, black, blue, white 50,6 g/m PUR 90 ± 5 Shore A
Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	Fleece, Foil brown, black, blue, white 50,6 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable shielding (coverage) Banding wire arrangement Cable weigth Material jacket Shore hardness jacket	Fleece, Foil brown, black, blue, white 50,6 g/m PUR 90 ± 5 Shore A

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: 2024-05-18



Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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 § 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
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min