

M12 Power male 0° / female 0° S-cod.

PUR 4x1.5 bk UL/CSA+drag ch. 10m

Male straight – female straight M12 – M12, 4-pole

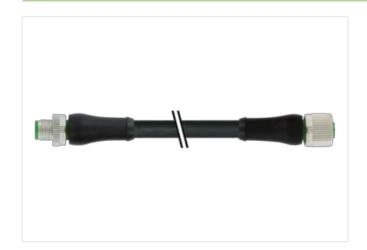
S-coded

Plastic housings with good resistance against chemicals and oils.

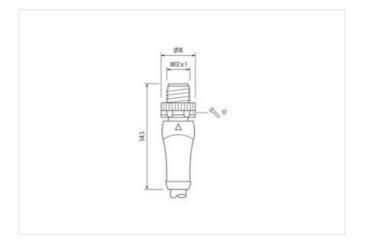
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

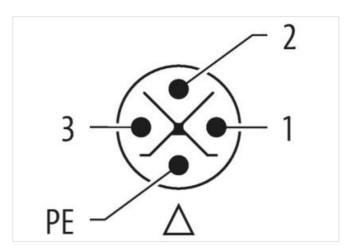
Link to Product

Illustration



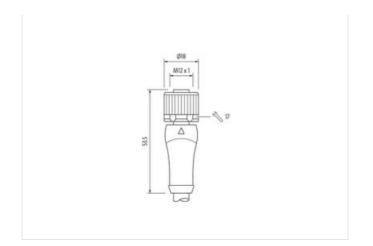


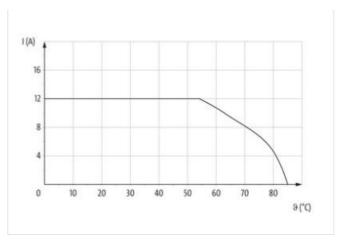


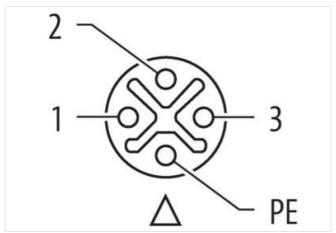




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Product may differ from Image











Side 1 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12P Thread M12 x 1 suitable for corrugated tube (internal Ø) 12 mm Coding S Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218			
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Mounting method inserted, screwed Family construction form M12P Thread M12 x 1 suitable for corrugated tube (internal Ø) 12 mm Coding S Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218	Side 1		
Family construction form M12P Thread M12 x 1 suitable for corrugated tube (internal Ø) Coding S Side 2 Tightening torque Mounting method Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218	Tightening torque	0,6 Nm	
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Mounting method inserted, screwed Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218	Side 2		
Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218	Tightening torque	0,6 Nm	
Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218	Mounting method	inserted, screwed	
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218	Thread	M12 x 1	
ECLASS-6.1 27279218 ECLASS-7.0 27279218	Commercial data		
ECLASS-7.0 27279218	ECLASS-6.0	27279218	
	ECLASS-6.1	27279218	
ECLASS-8.0 27279218	ECLASS-7.0	27279218	
	ECLASS-8.0	27279218	



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50,400.0	0700007
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879653237
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	600 V
Current operating per contact max.	12 A
Installation Connection	
Width across flats	SW17
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	6 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
	Ministral
Coating locking	Nickeled
Material gasket	FKM PUR
Material housing	
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
	inserted, screwed, Shaking protection
Mounting method	inserted, screwed, Shaking protection -25 °C
Mounting method Environmental characteristics Climatic	
Mounting method Environmental characteristics Climatic Operating temperature min.	-25 °C
Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max.	-25 °C 85 °C
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Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation	-25 °C 85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown)
Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	-25 °C 85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown) black
Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	-25 °C 85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown) black cURus
Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	-25 °C 85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown) black cURus 1
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Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	-25 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown) black cURus 1 4 wires twisted green-yellow, blue 3, white 2, brown 1
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Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	-25 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown) black cURus 1 4 wires twisted green-yellow, blue 3, white 2, brown 1 114,4 g/m PUR
Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	-25 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. IEC 61076-2-111 P06 3 black (white isolation), white (isolation blue), white (isolation brown) black cURus 1 4 wires twisted green-yellow, blue 3, white 2, brown 1 114,4 g/m PUR 90 ± 5 Shore A
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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: 2024-05-21



Material wire insulation	PP
Amount wires	4
Outer diameter insulation	2,3 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	60 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown)
Amount strands (wire)	84
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	1,5 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	1000 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	14,4 A
Electrical resistance line constant wire	13,3 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	10 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	10 kV @ 60 s
Min. operating temperature (static)	-50 °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 § 1100 FT2 IEC 60332-2-2 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)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min