

M12 Power male 0° S-cod. with cable

PUR 4x1.5 bk UL/CSA+drag ch. 15m

Power Male straight M12, 4-pole S-coded

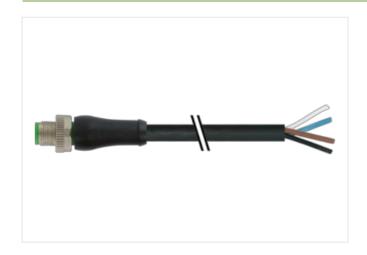
with cable sleeves

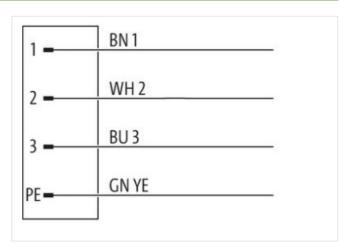
Plastic housings with good resistance against chemicals and oils.

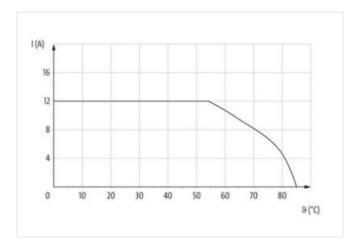
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

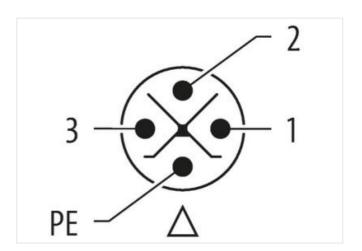
Link to Product

Illustration



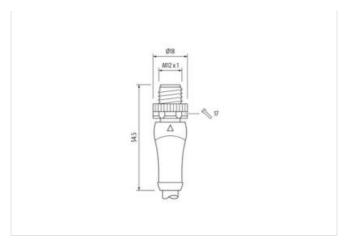








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Product may differ from Image











Cable length	15 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	12 mm
Coding	S
Material contact	Copper alloy
No. of poles	4
Side 2	
Stripping length (jacket)	100 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
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	4048879673983
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	600 V
Current operating per contact max.	12 A
Diagnostics	
Status indication LED	no
Installation Connection	

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: 2024-05-19



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Degree of protection (EN IEC 050589) IP65, IP67 Additional confidency protection (EN IEC 050589) IP65, IP67 Additional confidency protection degree inserted, prowed Pollution Degree 3 Flated surper voltage 8 AV Machanical dosa Material data Machanical dosa Material data Costing tocking Neckeled Material proug (IEC 06064-1) IF Machanical data Material data Costing tocking Neckeled Material proug (IEC 06064-1) PUR Machanical data Mounting data Mounting method PuR Machanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature min. 25 °C Operating temperature man, 26 °C Operating temperature man, 27 °C Protect the commetions by suitable measures from mechanical leads, e.g., by the usage of cable tes. Materion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangerated by occasive bending forcins. Conformity Product standard IEC 61076-2-111 Institutation Coble wire arrangement green-yellow, blue 3, white (solation blue), white (solation brown) Jacket Color December Jacket Color December	Stripping length (jacket)	100 mm
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Material housing PUR Locking material Zinc die-casting Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. 86 °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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be entangered by excessive bending forces. Conformity Product standard IEC 61076-2-111 Installation Cable Weie arrangement green-yellow, blue 3, white 2, brown 1 Cable identification P06 Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown) Jacket Color URus Amount stranding 1 Stranding 4 wires twisted Were arrangement green-yellow, blue 3, white 2, brown 1 Cable weight 114,4 g/m Material jacket PUR Strone hardness jacket PUR Toloranco outer diameter (sheath) 2.5 % Material wire insulation PPR Additional products (jacket) 2.5 % Material wire insulation PPR Amount stranding 1.5 % Material products (jacket) 2.5 % Material wire insulation PPR Amount wire insulation PPR Amount wire insulation 1.5 % Material products (jacket) 2.5 % Material wire insulation 1.5 % Material conductor cross-section (wire) 1.5 mm² Material conductor over 1.5 mm² Material conductor wire 5 Stranded copper wire, bare Material conductor over 5 Stranded copper wire, bare	·	
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min.		-
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Important installation notes Note on strain relief 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. Conformity Product standard IEC 61076-2-111 Installation Cable wire arrangement green-yellow, blue 3, white 2, brown 1 Cable identification P06 Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown) Jacket Color black Amount stranding 1 Stranding 4 wires twisted wire arrangement green-yellow, blue 3, white 2, brown 1 Cable weigh 114.4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 7,2 mm Tolerance outer diameter (jacket) 7,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation PP Interfaces wire insulation black (white isolation), white (isolation blue), white (isolation brown) Jacket Color black PPR Attention PRP Amount wires 4 Outer diameter insulation PP Interfaces wire insulation black (white isolation), white (isolation brown) Jacket Color black PPR Amount wires 4 Outer diameter insulation black (white isolation), white (isolation brown) Amount strands (wire) 84 Diameter of single wires On Jis mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare	Operating temperature max.	85 °C
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Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,2 mm Tolerance outer diameter (sheath) ± 5 % 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 mm² Material conductor wire Stranded copper wire, bare	wire arrangement	green-yellow, blue 3, white 2, brown 1
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Tolerance outer diameter (sheath) ± 5 % 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 mm² Material conductor wire Stranded copper wire, bare	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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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 mm² Material conductor wire Stranded copper wire, bare	Amount wires	4
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Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare	Printing color of wire insulation	
Conductor crosssection (wire) 1,5 mm ² Material conductor wire Stranded copper wire, bare	Amount strands (wire)	
Material conductor wire Stranded copper wire, bare	Diameter of single wires	
··	Conductor crosssection (wire)	· · · · · · · · · · · · · · · · · · ·
Conductor type (wire) strand class 6	Material conductor wire	
	Conductor type (wire)	strand class 6

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: 2024-05-19



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)	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