

M12 Power male 0° S-cod. with cable

PUR 4x1.5 bk UL/CSA+drag ch. 1.5m

Power

Male straight

M12, 4-pole

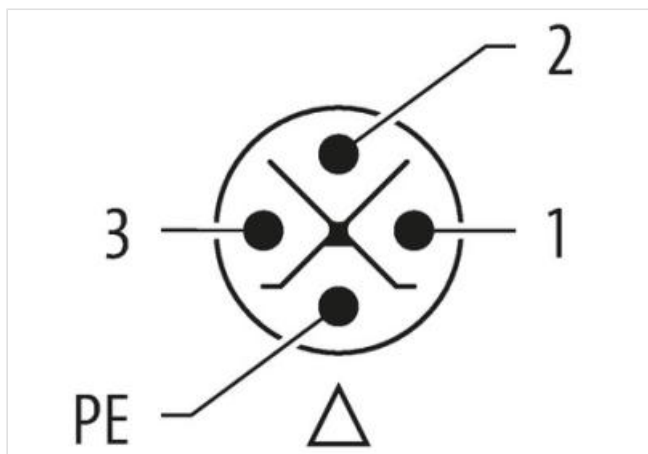
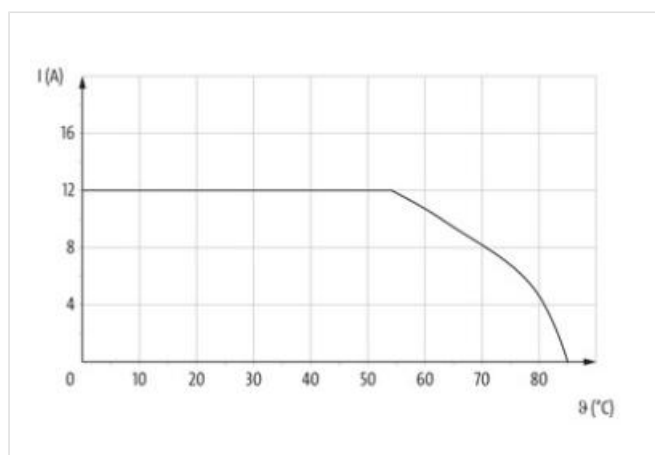
S-coded

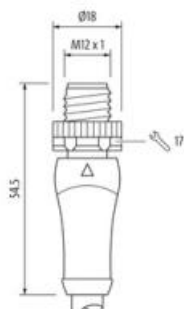
with cable sleeves

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.

Odkaz k produktu**Obrázky**



Výrobok sa môže líšiť od zobrazenia



Cable length 1,5 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-7.0 27279218

ECLASS-8.0 27279218

ECLASS-9.0 27060311

ECLASS-10.1 27060311

ECLASS-11.1 27060311

ECLASS-12.0 27060327

ETIM-5.0 EC001855

customs tariff number 85444290

GTIN 4048879650854

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

Stripping length (jacket)	100 mm
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Width across flats	SW17
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP65, IP67
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Additional condition protection degree	inserted, screwed
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Pollution Degree	3
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Rated surge voltage	6 kV
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Material group (IEC 60664-1)	I
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Mechanical data | Material data

Coating locking	Nickeled
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Material housing	PUR
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Locking material	Zinc die-casting
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Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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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.
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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.
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Conformity

Product standard	IEC 61076-2-111
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Installation | Cable

Cable identification	P06
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Cable Type	3
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Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown)
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Jacket Color	black
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	4 wires twisted
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wire arrangement	green-yellow, blue 3, white 2, brown 1
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Cable weight	114,4 g/m
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Material jacket	PUR
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Shore hardness jacket	90 ± 5 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Outer-diameter (jacket)	7,2 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material wire insulation	PP
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Amount wires	4
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Outer diameter insulation	2,3 mm
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Outer diameter tolerance core insulation	± 5 %
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Shore hardness wire insulation	60 ± 5 Shore D
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Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown)
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Amount strands (wire)	84
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Diameter of single wires	0,15 mm
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Conductor crosssection (wire)	1,5 mm ²
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Material conductor wire	Stranded copper wire, bare
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Conductor type (wire)	strand class 6
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Nominal voltage AC max.	1000 V
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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