

M12 Power female 90° S-cod. with cable

PUR 4x1.5 bk UL/CSA+drag ch. 7.5m

Power

Female 90°

M12, 4-pole

S-coded

with cable sleeves

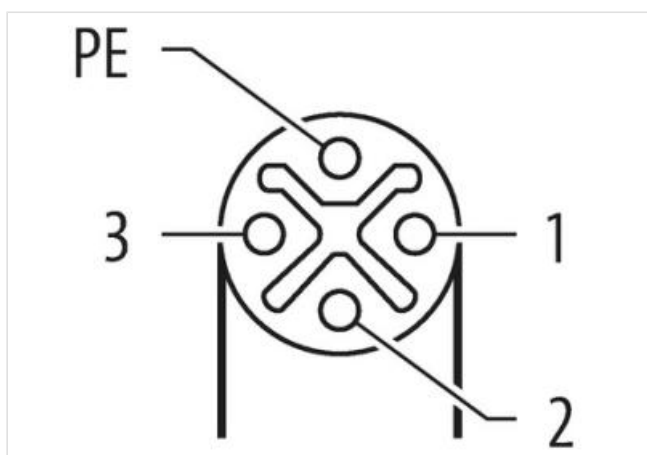
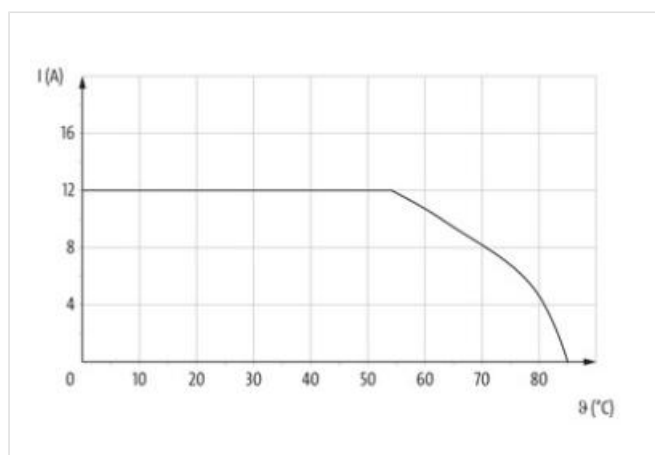
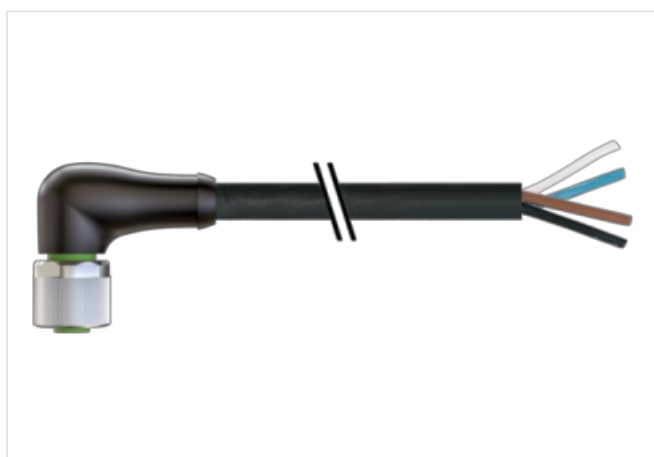
Plastic housings with good resistance against chemicals and oils.

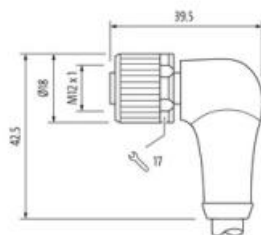
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Länk till produkt](#)

Illustration





Produkten kan skilja sig från bilden



Cable length 7,5 m

Side 1

Tightening torque	0,6 Nm
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

Kommersiella uppgifter

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
Förpackningsenhet	1
GTIN	4048879730785
Kundens tullnummer	85444290

Electrical data | Supply

Operating voltage AC max.	600 V
Current operating per contact max.	12 A

Diagnostics

Status indication LED	no
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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 gasket	FKM
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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	P16
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Cable Type	3
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Printing color of wire insulation	white (isolation black)
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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, black 3, black 2, black 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	white (isolation black)
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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
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	Good, application-related testing DIN EN 60811-404
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	$\pm$ 180 °/m
Torsion speed	35 cycles/min