

## M12 Power male 90° / female 90° L-cod.

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

Power M12 – M12, 5-pole Male 90° – female 90° L-coded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

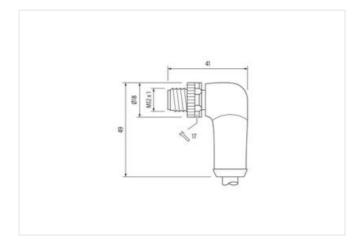
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

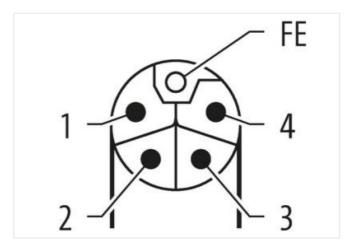
## Link to Product

## Illustration



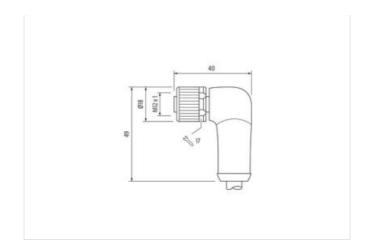


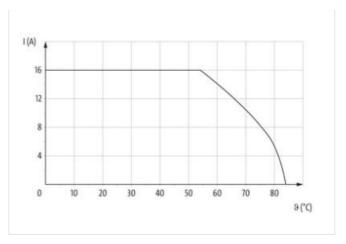


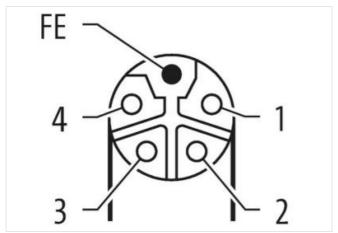




stay connected







Product may differ from Image









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)	16,4 mm
Coding	L
Material contact	Copper alloy
No. of poles	5
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
Coding	L

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Material contact	Copper alloy
No. of poles	5
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	4048879735940
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	63 V
Current operating per contact max.	12 A
Diagnostics	·-··
Status indication LED	no
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	1,5 kV
Material group (IEC 60664-1)	
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
	2 - Pro
Conformity	IEC 61076-2-111
<b>Conformity</b> Product standard	IEC 61076-2-111
Conformity Product standard Installation   Cable	
Conformity Product standard Installation   Cable Cable identification	P04
Conformity Product standard Installation   Cable Cable identification Cable Type	P04 3
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation	P04 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	P04 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	P04 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	P04 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1
Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	P04 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus

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wire arrangement	gray 5, black 4, blue 3, white 2, brown 1
Traversing distance (C-track)	5 m @ 25 °C
Cable weigth	129,8 g/m
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)	8,2 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
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), white (isolation black), white (gray isolation)
Amount strands (wire)	84
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	1,5 mm²
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	13,5 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   UL 1581 § 1090   IEC 60332-2-2
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
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min