

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.

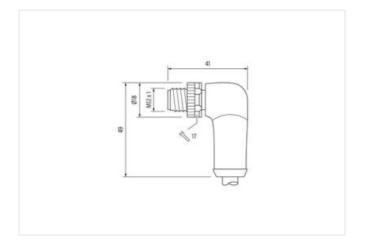
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

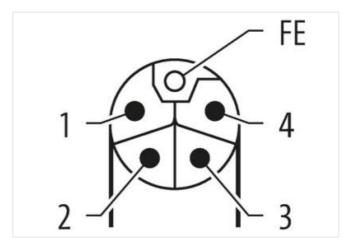
Link to Product

Illustration



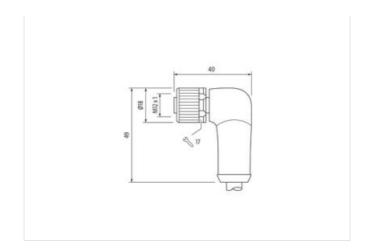


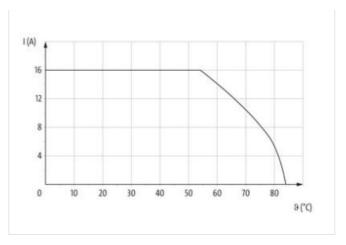


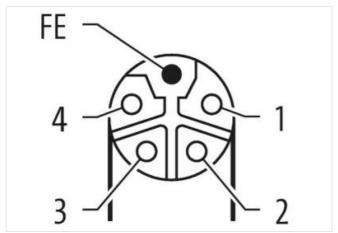




stay connected







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

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: 2024-05-07



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	70
	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)	l
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
Mounting method Environmental characteristics Climatic	
Environmental characteristics Climatic	
Environmental characteristics Climatic Operating temperature min.	-25 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max.	-25 °C 85 °C
Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	-25 °C 85 °C
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stay connected	stay	conne	ected
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Type of Certificate	cURus		
Amount stranding	1		
Stranding	5 wires around Filler twisted		
Filler	yes		
wire arrangement	gray 5, black 4, blue 3, white 2, brown 1		
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		
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.		
	. 100 0/		
Torsion stress	± 180 °/m		