

## M12 Power female 0° L-cod. with cable

PUR 5x1.5 bk UL/CSA+drag ch. 12m

Power Female straight M12, 5-pole L-coded

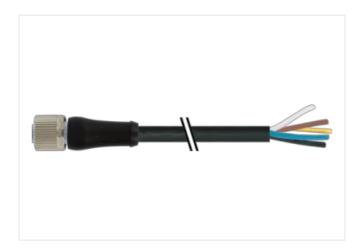
with cable sleeves

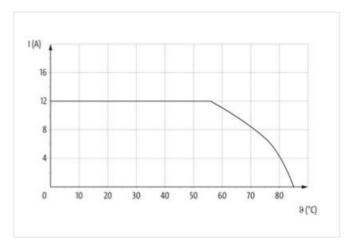
Plastic housings with good resistance against chemicals and oils.

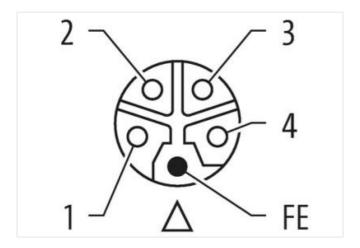
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

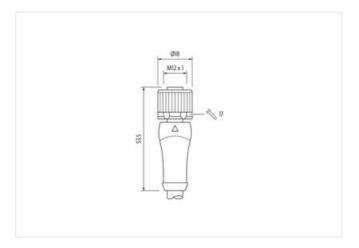
## **Link to Product**

## Illustration











stay connected



Product may differ from Image









Cable length	12 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	L
Material contact	Copper alloy
No. of poles	5
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	4048879856966
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	

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: 2024-05-09



stay connected

Stripping length (jacket)	100 mm
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	
•	Nickeled
Coating locking  Material gasket	FKM
Material housing	PUR 77 and the specified
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
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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.
Conformity	
Product standard	IEC 61076-2-111
	120 01070-2-111
Installation   Cable	D04
Cable Time	P04 3
Cable Type	
Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)
Jacket Color	black cURus
Type of Certificate	1
Amount stranding Stranding	
Filler	5 wires around Filler twisted
	yes
wire arrangement  Traversing distance (C-track)	gray 5, black 4, blue 3, white 2, brown 1 5 m @ 25 °C
Cable weigth	E
	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	
Outer diameter insulation	2,3 mm
Outer diameter tolerance core insulation	± 5 %
Outer diameter tolerance core insulation Shore hardness wire insulation	± 5 % 60 ± 5 Shore D
Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation	± 5 %  60 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation	± 5 %  60 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)
Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire)	± 5 %  60 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)  84
Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation	± 5 %  60 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)

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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