

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

PUR 5x1.5 bk UL/CSA+drag ch. 12.5m

Power Female straight M12, 5-pole L-coded

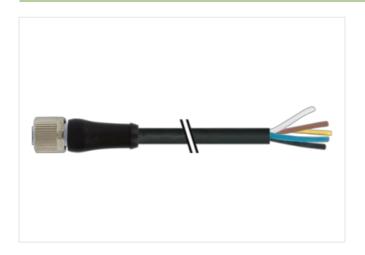
with cable sleeves

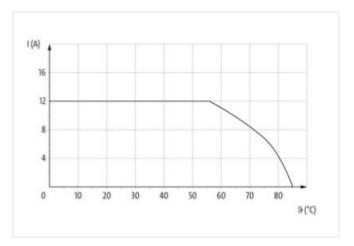
Plastic housings with good resistance against chemicals and oils.

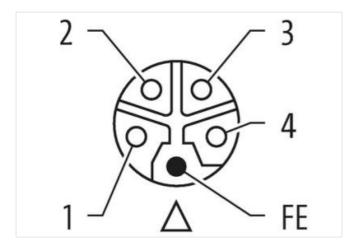
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

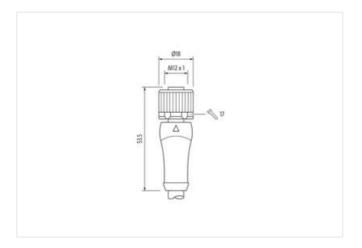
## **Link to Product**

## Illustration













Product may differ from Image









Cable length	12,5 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	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	4065909071038
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: 2024-05-20



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)	T
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 85 °C
Operating temperature max.  Additional condition temperature range	depending on cable quality
	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	<b>Attention:</b> 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
Installation   Cable	
Cable identification	P04
Cable Type	3
Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)
Printing color of wire insulation  Jacket Color	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black
Jacket Color	black
Jacket Color Type of Certificate	black cURus
Jacket Color Type of Certificate Amount stranding	black cURus 1
Jacket Color Type of Certificate Amount stranding Stranding	black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1
Jacket Color Type of Certificate Amount stranding Stranding Filler	black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth	black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket	black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	black cURus  1 5 wires around Filler twisted  yes gray 5, black 4, blue 3, white 2, brown 1  129,8 g/m PUR  90 ± 5 Shore A
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	black cURus  1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	black cURus  1  5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1  129,8 g/m PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	black cURus  1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 8,2 mm ± 5 %
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	black cURus  1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP
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Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire)	black cURus  1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP  5 2,3 mm ± 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
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation	black cURus  1  5 wires around Filler twisted  yes gray 5, black 4, blue 3, white 2, brown 1  129,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP  5 2,3 mm ± 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)



Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
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