

M12 Power male 0° / female 0° L-cod.

PUR 4x1.5 bk UL/CSA+drag ch. 12.0m

Power
Male straight – female straight
M12 – M12, 4-pole
L-coded
with cable sleeves

Plastic housings with good resistance against chemicals and oils.

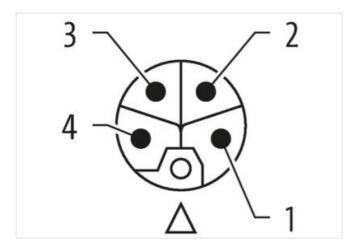
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

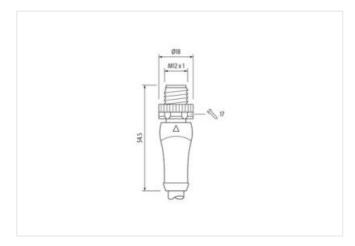
Link to Product

Illustration



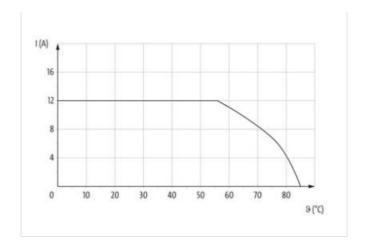


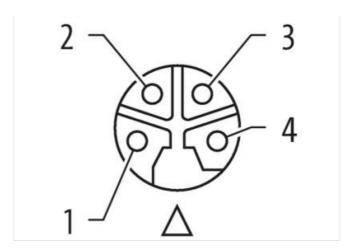


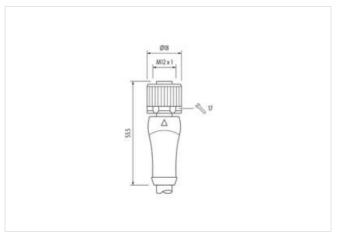




stay connected







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	4
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: 2024-05-10



Material contact	Copper alloy
No. of poles	4
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	4065909087305
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	SWIT
	IDAE IDAE
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage Material group (IEC 60664-1)	1,5 kV
Malerial group (IEC 60664-1)	
Mechanical data Material data	
Mechanical data Material data Coating locking	Nickeled Tide
Mechanical data Material data Coating locking Material gasket	FKM
Mechanical data Material data Coating locking Material gasket Material housing	FKM PUR
Mechanical data Material data Coating locking Material gasket Material housing Locking material	FKM
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data	PUR Zinc die-casting
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Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method	PUR Zinc die-casting
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic	PUR Zinc die-casting inserted, screwed, Shaking protection
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min.	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max.	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality IEC 61076-2-111
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality IEC 61076-2-111
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality IEC 61076-2-111 P07
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality IEC 61076-2-111 P07 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)
Mechanical data Material data Coating locking Material gasket Material housing Locking material Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	PUR Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality IEC 61076-2-111 P07 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black) black
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Traversing distance (C-track)	5 m @ 25 °C
Cable weigth	114,4 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)	7,2 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
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)
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	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 § 1090 UL 1581 § 1100 FT2 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. 25 °C
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min