

M12 Power male 90° / female 0° L-cod.

PUR 5x1.5 gy UL/CSA+drag ch. 7.5m

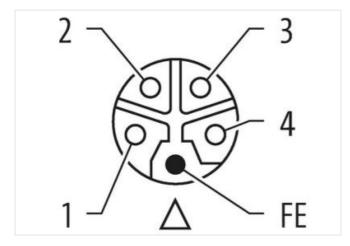
Power M12 – M12, 5-pole Male 90° – female straight L-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

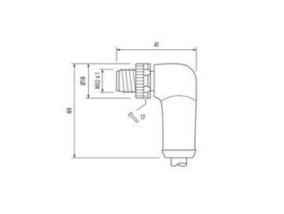
Link to Product

Illustration



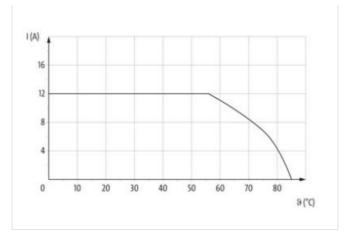
1	BN 1	(1
2 -	WH 2	(2
3 -	BU 3	(3
4	ВК 4	(4
FE>	GY 5	— FE

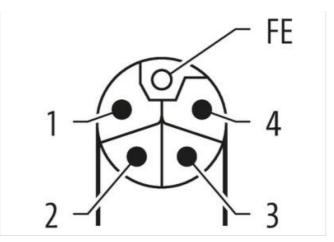


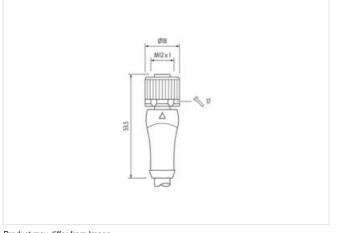


The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26









Product may differ from Image



Cable length	7,5 m
Side 1	
Tightening torque	0,6 Nm
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	12 mm
Cable outlet	straight
Coding	L
Material contact	Copper alloy
No. of poles	5
Side 2	
Tightening torque	0,6 Nm
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	16,4 mm

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Cable outlet	angled	
Coding	L	
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	4048879743648	
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.	-25 °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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
Note on bending radius	endangered by excessive bending forces.	
Conformity		
Product standard	IEC 61076-2-111	
Installation Cable		
wire arrangement	gray 5, black 4, blue 3, white 2, brown 1	
Cable identification	P08	

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Printing outor of wire insulation bback (while isolation), while (solation blue), while (solation brown), while (solation blue), while (solation brown), while (solation blue), while (so	Cable Type	3
Type of Cartificate URus Amount treatming 1 Stranding Svies around Filler twisted Filler yes user arrangement gray 5, back 4, blue 3, while 2, brown 1 Cable weigh 129,8 g/m Material jacket PUR Shore hardhose jackel 90,1 5 Shore A Freedom from ngeedents (jacket) 18ad-free, cadmum-free, CPC-free, halogen-free, silicone-free Outer-diameter (aken) 6,2 mm Tearnace outer damoler (shealth) 5 % Matorial twie insulation PP Amount views 5 Outer diameter insulation 6 5 % Shore hardhoses wire insulation 6 5 % Darker diameter insulation 6 5 % Norman strands (view) 84 Manuart strand, view 94 Darker diameter insulation 10 ker/ twite isolation buok, white (solation brown, white (solation black), white (gray isolation) Material canduckore wire insulation 10 frem Manuart strand (kerver) 84 Diameter of single wires 0,15 rm Canductor crossocion (wire)	Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)
Arount stranding 1 Stranding 5 wires around Filter twisted Filter yes wire arrangement gray 5, black 4, blue 3, while 2, brown 1 Cable weigh 128,8 pm Material jacket PUF Shore handbress jacket 90 ± 5 Shore A Freedom fom ingredents (jacket) 8.2 mm Outer diameter (jacket) 8.2 mm Outer diameter (jacket) 8.2 mm Outer diameter (jacket) 2.5 % Material wire insulation PF Arnount wires 5 Outer diameter insulation 2.5 % Duter diameter wire insulation 6.5 ± 5 Shore D Ingredient freeness wire insulation 16.9 ± 5 Shore D Ingredient freeness wire insulation 16.4 ± 6, codmium-free, CFC-free, halogen-free, silicone-free Printing cobor of wire insulation 16.4 ± 5, % Diamater diagree wire insulation 16.4 ± 5, % Orductor or yes wire insulation 16.4 ± 5, % Diamater diagree wire 5.1 mm Conductor type (wire) 5.1 mm Conductor type (wire) 15.1 mm	Jacket Color	gray
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Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1 Cable weigh 128,8 g/m Material jackel PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredents (jacket) black-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 8.2 mm Tolerance outer diameter (jacket) 8.2 mm Outer diameter insulation PP Amount wirkes 5 Outer diameter insulation 6.3 5 Shore D Ingredient freenes wire insulation 6.4 5 %. Shore hardness wire insulation 6.0 5 Shore D Ingredient freenes wire insulation 8.4 5 %. Diameter of aingle wires 0.15 mm Conductor orgones wire insulation Back (white isolation), white (solation blue), white (solation brown), white (solation black), white (gray isolation) Amount wire sources on any sources Stranded copper wire, bare Conductor orgones wire insulation 1.5 mm ² Conductor orgones wire insulation 1.0 N WE Conductor orgones wire insulation 1.0 N WE Conductor orgones wire insulation <td< td=""><td>Amount stranding</td><td>1</td></td<>	Amount stranding	1
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Cable weigh 123.8 g/m Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (jacket) least free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 8.2 mm Outer diameter (sheat) 1.5 % Material wire insulation PP Annount wires 5 Outer diameter tolerance outer insulation 1.5 % Material wire insulation 6.2 Shore D Outer diameter tolerance outer insulation 1.5 % Material wire insulation 60.2 Shore D Ingredient freeness wire insulation 16.2 Shore D Ingredient freeness wire insulation black (white isolation), white (solation blue), white (solation black), white (gray isolation) Anount strands (wire) 84 Diameter of single wires 0.15 mm² Conductor rows Stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIV VE 0298-4 Current load capacity (standard) to DIV VE 0298-4 Current load capacity (standard) to DIV VE 0298-4	Filler	yes
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Outer-diameter (acket) 8.2 mm Tolerance outer diameter (sheath) ± 5 % Material wer insulation PP Amount wires 5 Outer diameter insulation 2.3 mm Outer diameter insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation bit & % Shore hardness wire insulation bit & 5 % Shore hardness wire insulation bit & Shore D Ingredient freeness wire insulation bit & (wite isolation), white (isolation blue), white (isolation blue), white (isolation black), white (gray isolation) Amount strands (wire) 84 Diameter of big wires 0,15 mm Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to NV @ 60 s Min. operating temperature (stalc) -50 °C Max. operating temperature (stalc) 50 °C / 90 °C @ 10000 h Operation Poperating temperature max. (dynamic) -25	Shore hardness jacket	90 ± 5 Shore A
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Material wire insulation PP Amount wires 5 Outer diameter insulation 2.3 mm Outer diameter insulation 60 ± 5 Shore D Ingredient freenees wire insulation 60 ± 5 Shore D Ingredient freenees wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation bue), white (isolation brown), white (isolation black), white (gray isolation) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crossection (wire) 1,5 mm² Material conductor wire Stranded coper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity min. wire 13,5 A Electrical resistance line constant wire 13,8 QKm @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Max. operating temperature (static) -50 °C Operating temperature (sta	Outer-diameter (jacket)	8,2 mm
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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 trops (wire) 1,5 mm² Material conductor wire Stranded cape of 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 (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - islas 0 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating t	Material wire insulation	PP
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Printing color of wire insulationblack (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)Amount strands (wire)84Dianeter of single wires0.15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)10 kV @ 60 sPower frequency withstand voltage (wire - in acket)10 kV @ 60 sPower frequency withstand voltage (wire - in acket)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (static)-50 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)	Ingredient freeness wire insulation	lead-free cadmium-free CEC-free halogen-free silicone-free
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No. of torsion cycles2 Mio.Torsion stress± 180 °/m	Traversing distance (C-track)	5 m @ 25 °C
Torsion stress ± 180 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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