

M12 Power male 90° K-cod. with cable

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

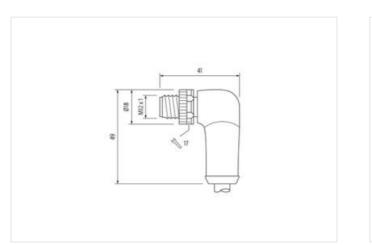
Power Male 90° M12, 5-pole K-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

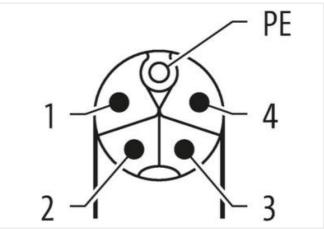
Link to Product

Illustration



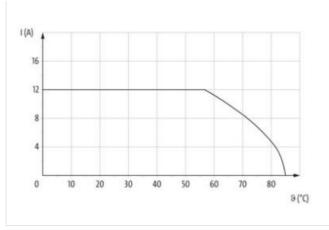
1	BK 1	
2 -	BK 2	
3 -	BK 3	
4	WH 4	
PE>	GN YE	





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Product may differ from Image



Cable length	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	К
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	4048879901819
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	600 V
Current operating per contact max.	12 A
Diagnostics	
Status indication LED	no
Installation Connection	
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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 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 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 (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	Outer-diameter (jacket)	8,2 mm
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 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 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 (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	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation2,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation60 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Material wire insulation	PP
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation60 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Amount wires	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 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 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	Outer diameter insulation	2,3 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Outer diameter tolerance core insulation	
Printing color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Shore hardness wire insulation	60 ± 5 Shore D
Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Ingredient freeness wire insulation	-
Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Printing color of wire insulation	
Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Amount strands (wire)	
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Diameter of single wires	· · · · · · · · · · · · · · · · · · ·
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Conductor crosssection (wire)	
Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Material conductor wire	
Nominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Conductor type (wire)	
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C	Traversing distance (C-track)	
Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C		
Electrical resistance line constant wire 13,3 Ω/km @ 20 °C		
AG WITNSTAND VOITAGE (WITP - WITP) 10 KV @ 60 S		
	AC WIINSTAND VOITAGE (WIRE - WIRE)	10 KV @ 6U S

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: 2024-05-19



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 IEC 60332-1-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	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

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