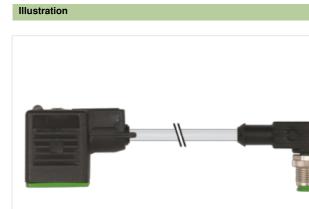


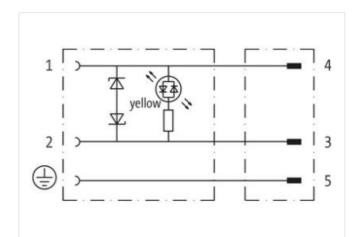
M12 male 90° A-cod. / MSUD valve plug B-10mm

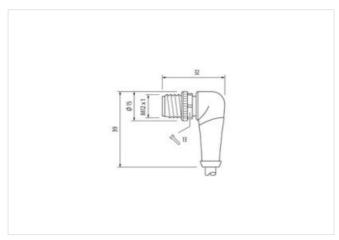
PUR 3x0.75 gy UL/CSA+drag ch. 2m

Form B (10 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. 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.

Link to Product







Product may differ from Image



Cable length	2 m	
Side 1		
Tightening torque	0,4 Nm	

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: 2024-05-05

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Thread	МЗ
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879610124
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	
Dperating voltage AC	24 V
Operating voltage AC min.	19.2 V
Operating voltage AC max.	28.8 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Diagnostics	
-	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 KV
Mechanical data Material data	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
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.
Installation Cable	

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Cabb Type 3 Printing coir of wire insulation write (isolation black) Jacket Color gray Type of Certificate ol/Rus Amount standing 1 Stranding 3 wires writeid wire arrangament black 11 black 2, grown yellow Traversing distance (C-track) 10 m @ 25 °C horizontai Cable weight 56,1 gin Material jackt PUR Shore horizonsa cadium weight Shore horizonsa 00 ± 5 Shore A Freedom from ingredemis (jusket) 18 a 4* re, cadmium-free, CFC-free, halogen-free, silicone-free Outer diamoter (jusket) 5.5 mm Arrow wires 3 Outer diamoter (jusket) 5.5 hore A Freedom from ingredemis flowsets 3 Outer diamoter insulation 125 rm Arrow wires 3 Cater diamoter insulation 125 rm Outer diamoter insulation 14 5 % Shore horizontai 16 0 rm Targedemi frows wire insulation 12 5 shore D Ingredemi frows wire insulation	Cable identification	236
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wices instead Wrier arrangement black 1: Use and stranding Traversing distance (C-track) 10 m @ 25 °C torizontal Cable weight 56.1 g/m Malerial jack PUR Store Inderdess jacket 90 z 5 Shore A Freedom tiom ingrodients (jacket) 15 9 m Outer diameter (jacket) 5.9 mm Toerance outer diamete (methy) 5.5 % Matorial wise insulation PP Amount strands (wise) 3 Outer diameter insulation 1.5 % Shore Inderdess wire insulation 1.5 % Shore Inderdess wire insulation 1.5 % Shore Inderdess wire insulation 1.6 % % Material wein insulation wite (scalation black) Amount strands (wire) 42 Diameter of single weis 0.15 mm Conductor transets wire insulation wite (scalation black) Amount strands (wire) 42 m Diameter of single weis	Cable Type	3
Type of Certificate cUFus Amount stranding 1 Stranding 3 wires twisted Stranding 10 m @ 25 °C horizontal Calle weigh 66, rg m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer diameter (jacket) 5.9 mm Tolerance outer diameter (facket) 5.9 mm Outer diameter (isolation 1.85 mm Outer diameter insulation 1.9 % Material twire insulation 1.9 % Shore hardness wire insulation 1.9 % Noter diameter tolerance outer wire insulation 1.85 mm Outer diameter tolerance outer wire insulation 1.9 % Mount strand (wire) 42 Diameter of single wires 0.15 mm Conductor twire insulation 42 Diameter of single wires 0.15 mm Conductor twire 0.15 mm Conductor twire 0.15 mm Conductor twire<	Printing color of wire insulation	white (isolation black)
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Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56,1 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) ± 5 % Material jacket PP Amount wires 3 Outer diameter (jacket) ± 5 % Material cover insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freenees wire insulation 10 ± 5 % Material cover insulation 10 ± 5 % Material cover insulation 10 ± 5 % Manuet strands (wire) 42 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor vire (sature) 10 PM @ 02 °C Acc withstand voltage AG max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4	Stranding	3 wires twisted
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Material jacket PUR Shor harchess jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wise insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 from Ingredient teeness wire insulation 1.85 from Ingredient teeness wire insulation wile (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor rossection (wire) 0.75 mm ³ Material conductor wire Stranded copper wire, bare Conductor rossection (wire) 0.5 Nrm Conductor rossection (wire) 0.5 Nrm Conductor wire Stranded copper wire, bare Conductor rossection (wire) 0.5 Nrm ² Conductor wire<	Traversing distance (C-track)	10 m @ 25 °C horizontal
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Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Matrial wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Dkm @ 20 °C AC withstand voltage (wire - 2,5 kV @ 60 s Min. operating temperature (stalic) 40 °C Max. operating temperature (stalic) 40 °C Max. operating temperature (stalic)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (istandard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - isolated wire) 2,5 kV @ 60 s Min. operating temperature (tsatic) -40 °C Max. operating temperature (tixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 5 × 0°C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oli resis	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)42Diameter of single wires0,15 mmConductor crosssection (wire)0,75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity win: wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire -2,5 kV @ 60 sPower frequency withstand voltage (wire -2,5 kV @ 60 sJackett).40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-22-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress $\pm 180 °/m$. ,	
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No. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-05

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