

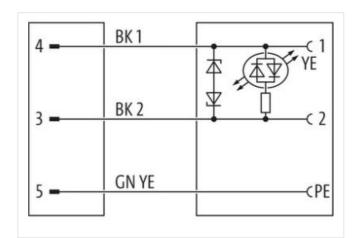
M12 male 0° A-cod. / MSUD valve plug B-10mm

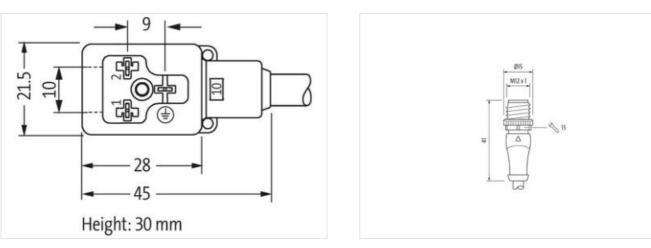
PUR 3x0.75 ye UL/CSA+drag ch. 1m

Form B (10 mm) – M12, male straight 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



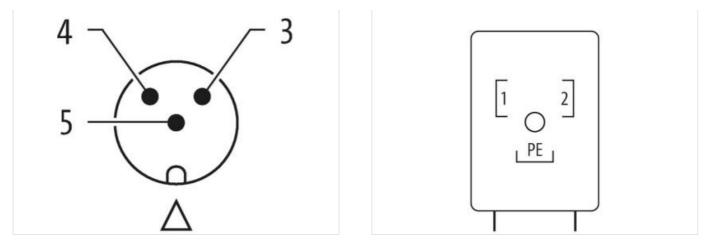




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Product may differ from Image



Side 1Tightening torque0,6 NmFamily construction formM12ThreadM12 x 1suitable for corrugated tube (internal Ø)10 mmCodingANo. of poles3Width across flatsSW13Degree of protection (EN IEC 60529)IP67Side 2Tightening torque0,4 NmFamily construction formMSUD BThreadM3No. of poles3Degree of protection (EN IEC 60529)IP67Side 2Commercial dataECLASS-6.027279218ECLASS-6.127279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060312ECLASS-10.127060312	
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Image: Construction form MSUD B Thread M3 No. of poles 3 Degree of protection (EN IEC 60529) IP67 Side 2 Image: Construction form Tightening torque 0,4 Nm Family construction form MSUD B Thread M3 No. of poles 3 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312	
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Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Image: Comparison of the stress	
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ECLASS-11.1 27060312	
ECLASS-12.0 27060312	
ETIM-5.0 EC001855	
customs tariff number 85444290	
GTIN 4048879148009	
Packaging unit 1	
Electrical data	
Capacity CX 20 ms	
Electrical data Supply	

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Operating 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
Diagnostics	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Additional suppressor	Z-Diode
Mechanical data Material data	
Coating locking	Nickeled
Locking screw coating	verzinkt
Color housing	black
Material housing	Plastic
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed
Environmental characteristics Climatic	
Onerating temperature min	-25 °C
Operating temperature min.	-25 °C
Operating temperature max.	-25 °C
Operating temperature max.	85 °C
Operating temperature max. Additional condition temperature range	85 °C
Operating temperature max. Additional condition temperature range Conformity	85 °C depending on cable quality
Operating temperature max. Additional condition temperature range Conformity Product standard	85 °C depending on cable quality
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black)
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track)	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 5,9 mm ± 5 %
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP
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Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 3 1,85 mm
Operating temperature max. Additional condition temperature range Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) 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	85 °C depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 Mio. @ 25 °C 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP 3 1,85 mm ± 5 %

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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 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °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
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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