

M12 male 0° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 ye UL/CSA+robot+drag ch. 0.3m

MSUD

Form BI (11 mm) - M12, male straight 24 V AC $\pm 20\%$ / DC $\pm 25\%$

LED and suppression

Further cable lengths on request.

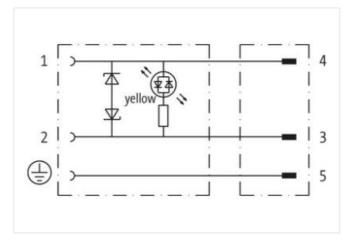
Plastic housings with good resistance against chemicals and oils.

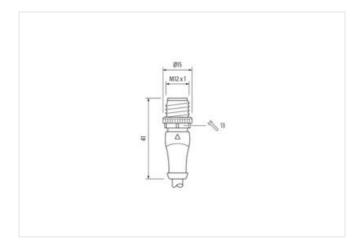
The resistance to aggressive media should be individually tested for your application. Further details on request.

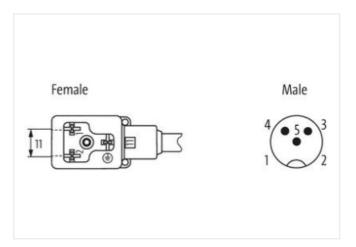
Link to Product

Illustration











stay connected



Product may differ from Image



Cable length	0,3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
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
Commercial data	
=0.100.00	07070010
ECLASS-6.0	27279218
ECLASS-6.0 ECLASS-6.1	27279218
ECLASS-6.1	27279218
ECLASS-6.1 ECLASS-7.0	27279218 27279218
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0	27279218 27279218 27279218
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0	27279218 27279218 27279218 27060312
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1	27279218 27279218 27279218 27060312 27060312
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1	27279218 27279218 27279218 27060312 27060312 27060312
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0	27279218 27279218 27279218 27060312 27060312 27060312 27060312
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-11.0 ETIM-5.0 customs tariff number GTIN	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855 85444290
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-11.0 ETIM-5.0 customs tariff number GTIN	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855 85444290 4048879416757
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855 85444290 4048879416757



stay connected

Operating voltage AC	041/
	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
Pollution Degree	3
Rated surge voltage	0,8 kV
Mechanical data Material data	
·	blook
Color housing Material housing	black Plastic
	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 strain relief	i foleot the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on strain relief 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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius Conformity Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on bending radius Conformity Product standard Installation Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Note on bending radius Conformity Product standard Installation Cable Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black)
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow
Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 %
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP 3
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP 3 1,7 mm
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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 Outer diameter tolerance core insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48.4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP 3 1,7 mm ± 5 %
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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 tolerance core insulation Shore hardness wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48.4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP 3 1,7 mm ± 5 % 74 ± 3 Shore D
Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement 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 Outer diameter tolerance core insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) 056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48.4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm ± 5 % PP 3 1,7 mm ± 5 %

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: 2024-05-17



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
Traversing distance (C-track)	5 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
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
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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 IEC 60332-2-2 UL 1581 § 1090
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min