

## M12 male 90° A-cod. / MSUD valve plug CI-9.4mm

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

Form CI (9.4 mm) - M12, male 90° 24 V AC  $\pm 20\%$  / DC  $\pm 25\%$  LED and suppression

Further cable lengths on request.

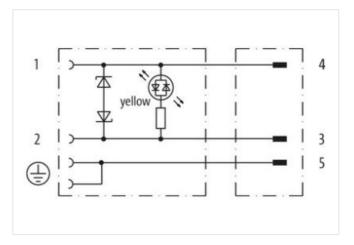
Plastic housings with good resistance against chemicals and oils.

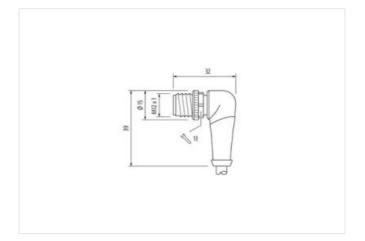
The resistance to aggressive media should be individually tested for your application. Further details on request.

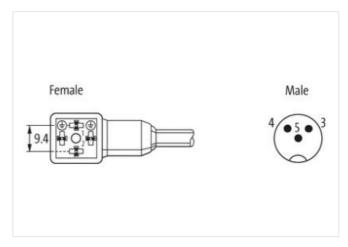
## **Link to Product**

## Illustration











stay connected



Product may differ from Image



Side 1         Tightening torque         0,4 Nm           Thread         M3           Degree or 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 date         ECLASS 6.0           customs tariff number         85444290           GTIN         406599097243           Packaging unit         1           Electrical data         Capacity CX           Capacity CX         20 ms           Electrical data   Supply           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 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 operating per contact max.<	Cable length	0,3 m
Thread	Side 1	
Degree of protection (EN IEC 60529)   IP66K, IP67	Tightening torque	0,4 Nm
Side 2           Tightening torque         0.6 Nm           Thread         M12 x 1           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data           ECLASS-6.0         27061801           customs tariff number         85444290           GTIN         4065909097243           Packaging unit         1           Electrical data           Capacity CX           20 ms           Electrical data   Supply           Operating voltage AC min.           19,2 V           Operating voltage AC min.         19,2 V           Operating voltage AC max.         28,8 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Additional condition protection degree         inserted, screwed	Thread	M3
Tightening torque	Degree of protection (EN IEC 60529)	IP66K, IP67
Thread   M12 x 1	Side 2	
Degree of protection (EN IEC 60529)   IP66K, IP67	Tightening torque	0,6 Nm
Commercial data	Thread	M12 x 1
ECLASS-6.0 27061801 customs tariff number 85444290 GTIN 4065909097243 Packaging unit 1  Electrical data Capacity CX 20 ms  Electrical data   Supply 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 18 V Operating voltage DC 30 V Cut-off peak 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	Degree of protection (EN IEC 60529)	IP66K, IP67
customs tariff number 85444290 GTIN 4065909097243  Packaging unit 1  Electrical data  Capacity CX 20 ms  Electrical data   Supply  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 24 V  Operating voltage DC 30 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	Commercial data	
GTIN 4065909097243  Packaging unit 1  Electrical data Capacity CX 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V  Operating voltage AC max. 28,8 V  Operating voltage DC at V  Operating voltage DC in 18 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	ECLASS-6.0	27061801
Packaging unit  Electrical data  Capacity CX  20 ms  Electrical data   Supply  Operating voltage AC  Operating voltage AC min.  Operating voltage AC max.  Operating voltage AC max.  Operating voltage DC  Operating voltage DC  Operating voltage DC min.  18 V  Operating voltage DC max.  Operating voltage pC max.  Operating voltage pC max.  Operating 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	customs tariff number	85444290
Electrical data Capacity CX 20 ms  Electrical data   Supply 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 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	GTIN	4065909097243
Capacity CX 20 ms  Electrical data   Supply  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 inn. 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	Packaging unit	1
Electrical data   Supply 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 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	Electrical data	
Operating voltage AC min. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC 24 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	Capacity CX	20 ms
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	Electrical data   Supply	
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	Operating voltage AC	24 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	Operating voltage AC min.	19,2 V
Operating voltage DC min.  Operating voltage DC max.  Operating voltage DC max.  Out-off peak voltage max.  S5 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	Operating voltage AC max.	28,8 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	Operating voltage DC	24 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	Operating voltage DC min.	18 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	Operating voltage DC max.	30 V
Current consumption max. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed		55 V
Diagnostics  Status indication LED yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed		4 A
Status indication LED yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed	Current consumption max.	12 mA
Device protection   Electrical  Additional condition protection degree inserted, screwed	Diagnostics	
Additional condition protection degree inserted, screwed	Status indication LED	yellow
	Device protection   Electrical	
Rated surge voltage 0,8 kV	Additional condition protection degree	inserted, screwed
	Rated surge voltage	0,8 kV

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: 2024-05-18



stay connected

Color housing	black
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	inserted, screwed
	inserteu, screweu
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
Cable identification	056
Cable Type	5
Printing color of wire insulation	white (isolation black)
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
vire arrangement	black 1, black 2, green-yellow
Cable weigth	48,4 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,7 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
ngredient freeness wire insulation	lead-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 crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Fraversing 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 - acket)	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  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