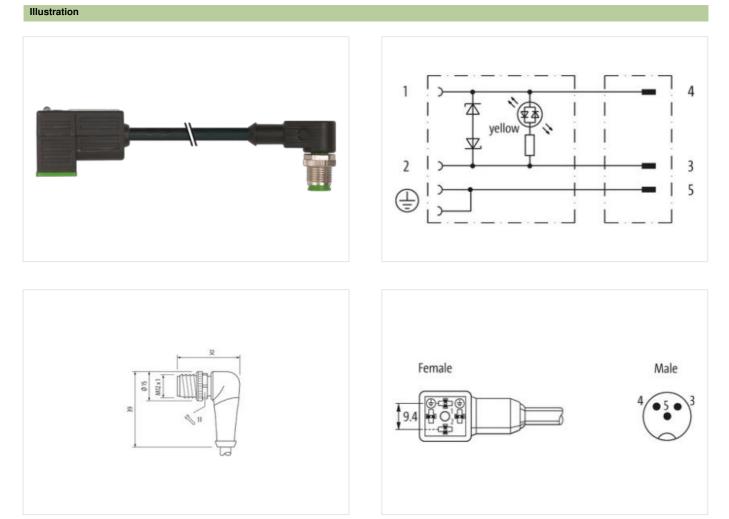


## M12 male 90° A-cod. / MSUD valve plug CI-9.4mm

PUR 3x0.75 bk UL/CSA 1m

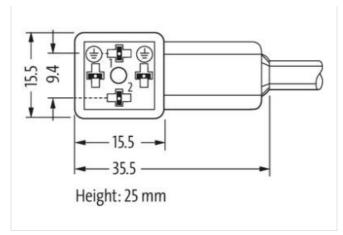
Form CI (9.4 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



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: 2024-06-02





Product may differ from Image



Cable length     1 m       Side 1     Immediate Control (Control (Contro) (Control (Control (Contro) (Control (Contro) (Co		
Tightening torque0.4 NmThreadM3Degree of protection (EN IEC 60529)IP66K, IP67Side 2IP66K, IP67Tightening torque0.6 NmThreadM12 x 1Degree of protection (EN IEC 60529)IP66K, IP67Commercial dataIP66K, IP67ECLASS-6.027061801customs tarlif number85444290GTIN4065909097403Packaging unit1Electrical dataIpop-out delay time max.20 msIectrical dataDop-out delay time max.20 msElectrical data [SupplyIpop-aut age AC min.Operating voltage AC24 VOperating voltage AC min.19.2 VOperating voltage DC min.18 VOperating voltage DC min.18 VOperating voltage DC min.19.2	Cable length	1 m
Thread     M3       Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2     If the end     M12 x1       Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     Image of protection (EN IEC 60529)     IP66K, IP67       Commercial data     Image of protection (EN IEC 60529)     IP66K, IP67       Commercial data     Image of protection (EN IEC 60529)     IP66K, IP67       Commercial data     Image of protection (EN IEC 60529)     Image of protection (EN IEC 60529)       ECLASS-6.0     27061801     Image of protection (EN IEC 60529)       Outsoms tariff number     85444290     Image of protection (EN IEC 60529)       Gatta stariff number     85444290     Image of protection (EN IEC 60529)       Operating unit     1     Image of protection (EN IEC 60529)       Packaging unit     1     Image of protection (EN IEC 60529)       Operating voltage AC     24 V     Operating voltage AC     24 V       Operating voltage AC min.     19.2 V     Operating voltage DC min.     18 V     Operating voltage DC min.     18 V     Operating voltage DC min.     12 mA     Operating voltage DC min.     12 mA	Side 1	
Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2     Itpltening 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       GTIN     4065909097403     GTIN       Packaging unit     1     Electrical data       Drop-out delay time max.     20 ms     Electrical data [Supply       Operating voltage AC min.     19,2 V     Operating voltage AC min.     19,2 V       Operating voltage DC max.     28,8 V     Operating voltage DC max.     28,8 V       Operating voltage DC max.     30 V     Current operating port contact max.     55 V       Current operating nomax.     12 mA     Diagnostics     Status indication LED     yellow       Diagnostics     Status indication protection degree     inserted, screwed     Additional condition protection degree     inserted, screwed	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       ECLASS -6.0     27061801     Commercial data       ECLASS -6.0     27061801     Commercial data       Gatomatic and the state of the sta	Thread	M3
Tightening torque0.6 NmThreadM12 x 1Degree of protection (EN IEC 60529)IP66K, IP67Commercial dataECLASS-6.027061801customs tariff number85444290GTIN406590907403Packaging unit1Electrical dataDrop-out delay time max.20 msElectrical data   SupplyOperating voltage AC24 VOperating voltage AC min.19,2 VOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC min.30 VCut-off peak voltage max.55 VCutrrent consumption max.12 mADiagnosticsStatus indication LEDyellowPervice protection   ElectricalyellowDerotection J Electrical4ACurrent consumption max.12 mADiagnosticsyellowAdditional condition protection degreeinserted, screwed	Degree of protection (EN IEC 60529)	IP66K, IP67
ThreadM12 x 1Degree of protection (EN IEC 60529)IP66K, IP67Commercial dataECLASS-6.027061801customs tariff number85444290GTIN4065909097403Packaging unit1Electrical dataDrop-out delay time max.20 msElectrical data   SupplyOperating voltage AC24 VOperating voltage AC min.19,2 VOperating voltage AC min.18 VOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC min.30 VCut-off peak voltage max.55 VCutrent consumption max.12 mADiagnosticsyellowDevice protection   ElectricalyellowDevice protection   Electricalinserted, screwed	Side 2	
Degree of protection (EN IEC 60529)   IP66K, IP67     Commercial data   ECLASS-6.0   27061801     customs tariff number   85444290     GTIN   406590997403     Packaging unit   1     Electrical data   Drop-out delay time max.   20 ms     Electrical data   Supply   U     Operating voltage AC   24 V     Operating voltage AC min.   19.2 V     Operating voltage AC max.   26.8 V     Operating voltage DC   24 V     Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Current operating per contact max.   4 A     Current onsumption max.   12 mA     Diagnostics   Status indication LED     Status indication LED   yellow	Tightening torque	0,6 Nm
Commercial data     ECLASS 6.0   27061801     customs tariff number   85444290     GTIN   4065909097403     Packaging unit   1     Electrical data   20 ms     Drop-out delay time max.   20 ms     Electrical data   Supply   Operating voltage AC     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 max.   30 V     Current operating per contact max.   4 A     Current operating per contact max.   4 A     Current operating per contact max.   12 mA     Diagnostics   yellow     Device protection   Electrical   xerwed	Thread	M12 x 1
ECLASS-6.027061801customs tariff number85444290GTIN406590907403Packaging unit1Electrical dataDrop-out delay time max.20 msElectrical data   SupplyOperating voltage AC24 VOperating voltage AC min.19.2 VOperating voltage AC max.28.8 VOperating voltage DC min.18 VOperating voltage DC min.18 VOperating voltage DC min.30 VCurrent operating per contact max.4 ACurrent operating per contact max.12 mADiagnosticsyellowDevice protection   Electricaljeerled.Additional condition protection degreeinserted, screwed	Degree of protection (EN IEC 60529)	IP66K, IP67
customs tariff number85444290GTIN4065909097403Packaging unit1Electrical data20 msDrop-out delay time max.20 msElectrical data   SupplyOperating voltage AC24 VOperating voltage AC min.19,2 VOperating voltage AC max.28,8 VOperating voltage DC24 VOperating voltage DC max.30 VCut-off peak voltage max.55 VCurrent operating per contact max.4 ACurrent consumption max.12 mADiagnosticsyellowDevice protection   ElectricalAdditional condition protection degreeinserted, screwed	Commercial data	
GTIN4065909097403Packaging unit1Electrical dataDrop-out delay time max.20 msElectrical data   SupplyOperating voltage AC24 VOperating voltage AC max.29.8 VOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCurrent operating per contact max.55 VCurrent operating per contact max.12 mADiagnosticsyellowDevice protection   Electricalinserted, screwed	ECLASS-6.0	27061801
Packaging unit   1     Electrical data   20 ms     Drop-out delay time max.   20 ms     Electrical data   Supply   9     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 max.   28.8 V     Operating voltage DC max.   30 V     Cut-off peak voltage max.   55 V     Cutrent operating per contact max.   4 A     Current consumption max.   12 mA     Diagnostics   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed	customs tariff number	85444290
Electrical data   20 ms     Drop-out delay time max.   20 ms     Electrical data   Supply   9     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 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 consumption max.   12 mA     Diagnostics   yellow     Status indication LED   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed	GTIN	4065909097403
Drop-out delay time max.20 msElectrical data   SupplyOperating voltage AC24 VOperating voltage AC min.19.2 VOperating voltage AC max.28,8 VOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCut-off peak voltage max.55 VCurrent operating per contact max.4 ACurrent consumption max.12 mADiagnosticsyellowStatus indication LEDyellowAdditional condition protection degreeinserted, 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     Cutrent operating per contact max.   4 A     Current consumption max.   12 mA     Diagnostics   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed	Electrical data	
Operating voltage AC24 VOperating voltage AC min.19,2 VOperating voltage AC max.28,8 VOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCut-off peak voltage max.55 VCurrent operating per contact max.4 ACurrent consumption max.12 mADiagnosticsStatus indication LEDyellowDevice protection   ElectricalAdditional condition protection degreeinserted, screwed	Drop-out delay time max.	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   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   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   yellow     Device protection   Electrical     Additional condition protection degree   inserted, screwed	Operating voltage AC min.	19,2 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   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   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   yellow     Device protection   Electrical   yellow     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	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	Cut-off peak voltage max.	55 V
Diagnostics   Status indication LED   pevice protection   Electrical   Additional condition protection degree inserted, screwed	Current operating per contact max.	4 A
Status indication LED yellow   Device protection   Electrical 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: 2024-06-02



## Mechanical data | Material data

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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation   Cable	
wire arrangement	black 1, black 2, green-yellow
Cable identification	626
Cable Type	2
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	55,33 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5.9 mm
Tolerance outer diameter (sheath)	±5%
Material inner jacket	PVC
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,8 mm
Outer diameter insulation	±5%
Shore hardness wire insulation	
	43 ± 5 Shore D lead-free, cadmium-free, CFC-free, silicone-free
Ingredient freeness wire insulation	
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42 0.15 mm
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
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C

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: 2024-06-02



chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C

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: 2024-06-02