

MSUD valve plug CI-9.4mm with cable

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

MSUD

The resistance to aggressive media should be individually tested for your application. Further details on request. Form CI (9.4 mm)

0...230 V AC/DC

without components

3-pole

Bridged PE

without cable sleeves

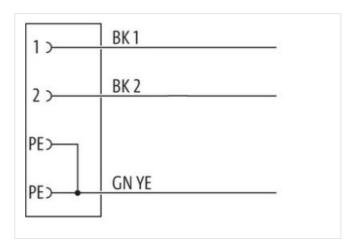
Further cable lengths on request.

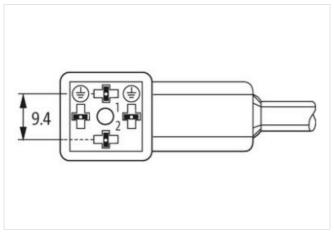
Plastic housings with good resistance against chemicals and oils.

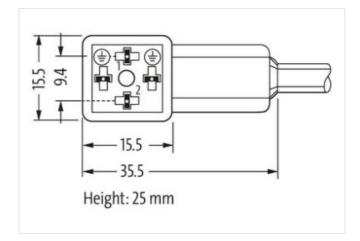
Link to Product

Illustration









Product may differ from Image





stay connected

endangered by excessive bending forces.	Cable length	3 m
Timesd	Side 1	
Timesd	Tightening torque	0.4 Nm
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27260311 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.0 ECON855 Custom striff number ES444290 GTN 4048679414195 Packagn unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage AC max. 230 V Operating voltage DC max. 230 V Operating voltage AC max. 240 V Operating voltage AC max. 250 V Operating volt		•
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27260311 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.0 ECON855 Custom striff number ES444290 GTN 4048679414195 Packagn unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage AC max. 230 V Operating voltage DC max. 230 V Operating voltage AC max. 240 V Operating voltage AC max. 250 V Operating volt	Commercial data	
ECLASS 7.0 27279218 ECLASS 8.0 27789218 ECLASS 9.0 27060311 ECLASS 10.1 27060312 ECLASS 11.1 27060312 ECLASS 12.0 27060312 ETIM-S.0 EC018S5 customs fariff number 85444290 GTIN 404879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage DC max. 230 V Current operating per contact max. 6 A Device protection Electrical 1 Begree of protection (EN IEC 60529) IPP7 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Without Mechanical data Material data Vintous Color housing black Material gasket PUR Material gasket PUR Mechanical data Mounting data		07070040
ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 EC01835 customs tariff number 85444290 GTIN 4048879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage PC max. 230 V Operating voltage PC max. 230 V Operating voltage PC max. 33 V Additional condition protection (EN IEC 60529) IP67 Additional condition protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Operating locking whereaster is without <td></td> <td></td>		
ECLASS-9.0 27660311 ECLASS-10.1 27660312 ECLASS-11.1 27660312 ECLASS-11.1 27660312 ECLASS-12.0 27660312 ECLASS-12.0 EC001855 ECCO1855 ECC		
ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage DC max. 230 V Current operating per contact max. 6 A Degree of protection Electrical Electrical state Supply Degree of protection Electrical IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 3 Rated surge voltage 4 kV Material group (EC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coaling locking verzinkt Color housing black Material possing PBT Locking material Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operatin		
ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-S.0 EC001855 customs tariff number 85444290 GTIN 4048879414135 Packaging unit 1 Electrical data Supply Electrical data Supply Operating voltage AC max. 230 V Operating voltage DC max. 230 V Current operating per contact max. 6 A Device protection Electrical Degree of protection Electrical Elegree of protection (EN IEC 60529) Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60684-1) I Mechanical data Continu for corrugated hose without Mechanical data Material data Coaling locking verzinkt Color housing black Material possing pBT Locking material Steel Mechanical data Mounting data Mounting method Mounting method inserted, screwed Environmental Characteristics Climatic </td <td></td> <td></td>		
ECIASS-12.0 27060312 ETIM.5.0 EC001855 customs tariff number 85444290 GTIN 4048879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage AC max. 230 V Operating voltage BC max. 6 A Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage At kV Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material prough black Material gasket PUR Material housing PBT Locking material Steel Mounting method inserted, screwed Environmental characteristics Climatic Coperating temperature min25 °C Operating temperature min25 °C Additional condition 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 endangered by excessive bending forces.		
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage DC max. 230 V Operating per contact max. 6 A Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Material data Contour for corrugated hose without Material gasket PUR Material spasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Environmental characteristics Climatic Coperating temperature min25 °C Operating temperature range depending on cable quality Important installation notes 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.		
customs tariff number 85444290 GTIN 4048879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage DC max. 230 V Operating voltage DC max. 6 A Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material gasket PUR Material gasket PUR Material makerial (Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Coperating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes 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.		
GTIN 4048879414135 Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Current operating per contact max. 6 A Device protection Electrical Degree of protection (Electrical Degree of protection (Electrical Degree of protection Electrical Degree of protection (Electrical Degree of protection (Electrical) Electrical at a Web		
Packaging unit 1 Electrical data Supply Operating voltage AC max. 230 V Operating voltage AC max. 230 V Operating voltage DC max. 230 V Current operating per contact max. 6 A Pevice protection Electrical Degree of protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material pasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes 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.		
Decrating voltage AC max.	Packaging unit	
Operating voltage AC max. 230 V Operating voltage DC max. 230 V Current operating per contact max. 6 A Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60684-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Costing looking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition readius can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
Operating voltage DC max. 230 V		220.1/
Current operating per contact max. 6 A Device protection Electrical		
Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voitage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Additional condition temperature range depending on cable quality Important installation notes 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.		
Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Additional condition temperature range depending on cable quality Important installation notes 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.		0.5
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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 endangered by excessive bending forces.	Device protection Electrical	
Pollution Degree 3 Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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 endangered by excessive bending forces.		
Rated surge voltage 4 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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 endangered by excessive bending forces.		
Material group (IEC 60664-1) Mechanical data Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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 endangered by excessive bending forces.		
Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes 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.		
Contour for corrugated hose without Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.		
Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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 endangered by excessive bending forces.	Mechanical data	
Coating locking verzinkt Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.	Contour for corrugated hose	without
Color housing black Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.	Mechanical data Material data	
Material gasket PUR Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.	Coating locking	verzinkt
Material housing PBT Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.	Color housing	black
Mechanical data Mounting data	Material gasket	PUR
Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.	Material housing	PBT
Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °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.	Locking material	Steel
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.	Mechanical data Mounting data	
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.	Mounting method	inserted, screwed
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.		
Operating temperature max. 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.		05.00
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.		
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.		
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 endangered by excessive bending forces.		depending on cable quality
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.	Important installation notes	
endangered by excessive bending forces.	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.
Installation Cable	Installation Cable	
wire arrangement black 1, black 2, green-yellow	wire arrangement	black 1, black 2, green-yellow
Cable identification 636		
Cable Type 3	Cable Type	3
Printing color of wire insulation white (isolation black)		white (isolation black)
Jacket Color black		black
Type of Certificate cURus	Type of Certificate	cURus

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: 2024-05-20



Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	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)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient 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 ²
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)	2,5 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min