

MSUD valve plug BI-11mm with cable

PUR 3x0.75 gy UL/CSA 15m

MSUD Form BI (11 mm) 24 V AC ±20% / DC ±25% LED and suppression

Further cable lengths on request.

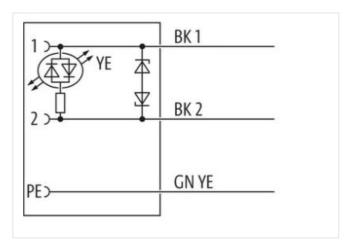
Plastic housings with good resistance against chemicals and oils.

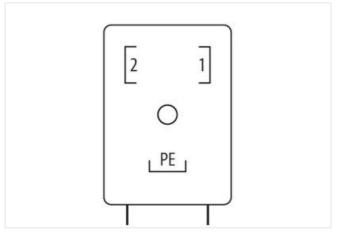
The resistance to aggressive media should be individually tested for your application. Further details on request.

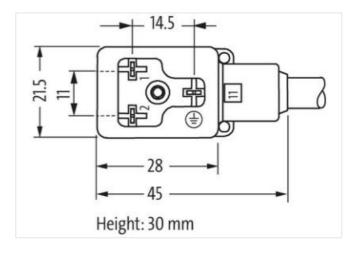
Link to Product

Illustration









Product may differ from Image









Cable length

15 m

Side 1

Tightening torque 0,4 Nm

),4 NM



stay connected

Thread	Mounting method	inserted, screwed
Trend	Family construction form	·
Meterial PBT Degree of protection (ENIEC 60269) IPE7 Commercial data Commercial data ECLASS 6.0 2773918 ECLASS 7.0 2773918 ECLASS 8.0 27027918 ECLASS 9.0 27000312 ECLASS 1.1 27000312 ECLASS 1.1 27000312 ECLASS 1.2.0 ECO1655 COLORN 1.2.0 ECO1655 COLORN 1.2.0 4048879221719 Packaging unit 1 Electrical data Very Commercial data (Supply) Operating voltage AC 24 V Operating voltage AC 24 V Operating voltage AC max 28 8 V Operating voltage AC max 28 8 V Operating voltage DC min. 18 V Operating voltage DC min.		
Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 2760311 ECLASS-8.0 2760312 ECLASS-1.1 27069312 ECLASS-1.2.0 27069312 ETM-5.0 ECOM1855 coutons tariff number 404879221719 Packaging unit 1 Electrical data EVENTORIA (MARCA CONTROLLA) Pope out doisy time max. 20 ms Electrical data (Supply EVENTORIA (MARCA CONTROLLA) Operating voltage AC min. 19 2 V Operating voltage AC min. 19 V Operating voltage AC min. 19 V Operating voltage AC max. 28 N Outret operating voltage AC min. 19 V	Material	PBT
Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 2760311 ECLASS-8.0 2760312 ECLASS-1.1 27069312 ECLASS-1.2.0 27069312 ETM-5.0 ECOM1855 coutons tariff number 404879221719 Packaging unit 1 Electrical data EVENTORIA (MARCA CONTROLLA) Pope out doisy time max. 20 ms Electrical data (Supply EVENTORIA (MARCA CONTROLLA) Operating voltage AC min. 19 2 V Operating voltage AC min. 19 V Operating voltage AC min. 19 V Operating voltage AC max. 28 N Outret operating voltage AC min. 19 V	Degree of protection (EN IEC 60529)	IP67
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27000311 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-10.1 4048879221719 Packaging unit 1 Electrical data V Oppos out dissip with max 20 ms Electrical data Supply V Operating voltage AC 24 V Operating voltage AC max 28 B V Operating voltage AC max 28 B V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max 30 V Cul for pack voltage DC max 30 V Cul for pack voltage DC max 4 A Current consumption max 15 mA Disposation 18 V Operating voltage DC min. 19 voltage Bullsta inclasion LED yoltage		
ECLASS-7.0 27279218 ECLASS-8.0 2779218 ECLASS-9.0 27060311 ECLASS-10.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECO01805 GIN 40488782221719 Packaging unit 1 Electrical data Value Drop-cut delay time max 20 ms Electrical data [Supply Voperating vallage AC Operating vallage AC max 28,8 V Operating vallage AC max 28,8 V Operating vallage DC max 30 V Current operating per contact max 4 A Current operating per contact max 4 A Current operating per contact max 4 A Current operating per contact max 4 Sev Diagnostics Sev Status indication LED yellow Installation [Connection M3 Mounting set M3 Device protection Electrical Additional outpressor Diode, 2-Diode Mechanical data Material data		07070040
ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECOM 885 customs suff number 85444290 GTIN 4084879221719 Packaging unit 1 Electrical data Use Proposed delay time max. Electrical data Use Proposed delay time max. Electrical data Supply Use Proposed delay time max. Operating voltage AC max. 28.8 V Operating voltage DC max. 30 V Cut-of peak voltage max. 55 V Cut-of peak voltage max. 55 V Cut-of peak voltage max. 15 mA Diagnostics Status indicaton LED Installation Connection Ma Mourten perating protection Electrical Installation Connection Electrical Mourten perating voltage 0.8 kV <		
ECLASS 9.0 27060311 ECLASS 10.1 27060312 ECLASS 11.1 27060312 ECLASS 12.0 27060312 ECLASS 14.0 EC060355 countoms tainfi number 85444290 GTIN 4048878221719 Packaging unit 1 Electrical data Drop-out delay time max. Electrical data Supply Operating voltage AC A V 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. 30 V Current consumption max. 15 mA Depretating voltage para. 55 V Current consumption max. 15 mA Diagnostics Status indication LED yellow Installation [Connection M3 Deprece min. Additional protection electrical M3 Additional suppressor No Note, 2 Diode Mochanical data Material data		
ECLASS 10.1 27060312 ECLASS 11.0 27060312 ETIM-5.0 EC001855 customs fariff number 85442890 GTIN 4048079221719 Packaging unit 1 Electrical data Electrical data Drop-out delay time max. 20 ms Electrical data Supply Electrical data Supply Operating voltage AC 24 V Operating voltage AC max. 28.9 V Operating voltage AC max. 28.9 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Cut-for pack voltage max. 4 A Cut-for pack voltage max. 55 V Cut-rent operating per contact max. 4 A Cut-rent operating per contact max. 4 A Cut-rent operating per contact max. 4 A Cut-rent operating per contact max. 4 S Wouthing set MS Description (EEC trical Vellow Installation (Connection Mounting set Mounting suppressor 0 Sk V Material group (EEC 6066		
ECLASS-1.1 1 27060312 ECLASS-12.0 27060312 ETIM 5.0 ECO01855 customs tarff rumber 85444280 GTIN 4048879221719 Packaging unt 1 Electrical data Unop out delay time max. Electrical data Supply Uperating voltage AC Cherating voltage AC max. 28,8 V Operating voltage AC min. 19.2 V Operating voltage DC max. 28,8 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. 4 A Current operating per contact max. 4 S Voursent operating per contact max. 4 N Diagnostics Status indication LED Status indication I Connection Ma Mounting set M3 Device protection Electrical Additional suppressor Additional suppressor Diode, Z-Diode Metancial group (IEC 60664-1) I		
ECI ASS-12.0 27060312 ETIMS.0 EC001885 customs tentif number 85444290 GTIN 4048879221719 Packaging unit 1 Electrical data Electrical data Drop-out delay time max. 20 ms Electrical data Supply Poperating voltage AC max. Operating voltage AC min. 13 2 V Operating voltage AC min. 13 2 V Operating voltage AC max. 28.8 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Cul of peak voltage max. 55 V Current operating per contact max. 4 A Current operating per contact max. 4 A Understallation Connection yellow Installation Connection Ma Mounting set Ma Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Reter stay on yelloge (20664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data		
ETIM-5.0 EC001855 customs tarif number 85444290 GTIN 404879221719 Packaging unit 1 Electrical data Use proposed delay five mexx. 20 ms Electrical data [Suppty Operating voltage AC 24 V Operating voltage AC min. 19.2 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cut-off pask voltage max. 55 V Cut-off pask voltage max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Deliver protection Electrical Additional protection operage 3 Rated surge voltage 3 K Material group (ICC 60664-1) 1 Additional suppressor Diode, 2-Diode Mechanical data Material		
customs tariff number 85444280 GTIN 4048879221719 Packaging unit 1 Electrical data Drop- out delay time max. 20 ms Electrical data Suppty Vereining voltage AC min. 19,2 V Operating voltage AC max. 28,8 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 Cut-off peak voltage max. 15 mA Diagnostics 15 mA Status indication LED yellow Installation Connection Was Mounting set M3 Device protection Electrical Additional outgroup (IEC 60664-1) I Additional suppressor 30 keV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Coaling of litting verzinkt Color housing black		
GTIN 4048879221719 Packaging unit 1 Electrical data Comment of the properties of t		
Packaging unit 1 Electrical data 20 0s Drop-out delay time max. 20 0s Electrical data Supply V Operating voltage AC min. 19.2 V Operating voltage AC min. 19.2 V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 55 V Current operating per contact max. 4 A Current operating per contact max. 4 A Current operating per contact max. 4 A Use indication LED yellow Installation Connection Worth Connection Mounting set Ma Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0.8 kV Material group (ES 60964*) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Coating locking verzinkt Color housing		
Proposition		
Drop-out delay time max. 20 ms		I
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 min. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V Cut-off peak voltage max. 4 A Cutrent operating per contact max. 4 A Cutrent consumption max. 15 mA Diagnostics Wellow Installation Connection yellow Installation Connection Ma Mounting set M3 Device protection Electrical Additional condition protection degree Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0.8 kV Material group (ICC 60684-1) I Additional suppressor Doke, Z-Diode Mechanical data Material data Coating locking verzinkt Coating locking verzinkt Coating locking <	Electrical data	
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 Gut-off peak voltage max. 55 V Cut-off peak voltage max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, 2-Diode Mechanical data Material data Verzinkt Coating of litting verzinkt Coating of litting verzinkt Coating of litting verzinkt <	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-oil peak voltage max. 55 V Current operating per contact max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical M3 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (EC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Coating locking verzinkt Coating of fitting verzinkt Coating ing fitting verzinkt Coating material Steel Material screw connection Steel Mechanical data Mounting data	Electrical data Supply	
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-oil peak voltage max. 55 V Current operating per contact max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical M3 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (EC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Coating locking verzinkt Coating of fitting verzinkt Coating ing fitting verzinkt Coating material Steel Material screw connection Steel Mechanical data Mounting data	Operating voltage AC	24 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. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Coating of fitting verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed <		
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. 15 mA Diagnostics Status indication LED yellow Installation Connection M3 Device protectin Electrical M4 Additional condition protection degree 3 Pollution Degree 3 Rated surge voltage 0.8 kV Material group (IEC 6664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Coating locking verzinkt Coating locking verzinkt Coating naterial Steel Material gasket PUR Locking material Steel Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating te		·
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. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, 2-Diode Mechanical data Material data Verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C		
Operating voltage DC max. 30 V Cut-oft peak voltage max. 55 V Current operating per contact max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C		18 V
Cut-off peak voltage max. 55 V Current operating per contact max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Cooking material Steel Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C		30 V
Current operating per contact max. 4 A Current consumption max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic C		55 V
To many the consumption max. 15 mA Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Coating of fitting verzinkt Coating of fitting verzinkt Coating agaset PUR Locking material Steel Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwe		4 A
Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) INDICATE OF CONTROLL STATE OF CONTROLL ST	Current consumption max.	15 mA
Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) INDICATE OF CONTROLL STATE OF CONTROLL ST	Diagnostics	
Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Doparating temperature min25 °C		vallow
Mounting set M3 Povice protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Aderial screw connection Steel Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Fovironmental characteristics Climatic Deparating temperature min25 °C		youdi
Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C		
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C	Mounting set	M3
Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Coperating temperature min25 °C	Device protection Electrical	
Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method Inserted, screwed inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) I Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C	Pollution Degree	3
Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C	Rated surge voltage	0,8 kV
Mechanical data Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C	Material group (IEC 60664-1)	
Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C	Additional suppressor	Diode, Z-Diode
Coating locking verzinkt Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C	Mechanical data Material data	
Coating of fitting verzinkt Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C		verzinkt
Color housing black Material gasket PUR Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C		
Material gasket Locking material Steel Material screw connection Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. PUR Steel Steel Inserted, screwed For inserted, screwed -25 °C		
Locking material Material screw connection Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Steel Steel Steel Author Steel Steel Steel Steel Author Steel Steel Steel Author Steel Steel Author Steel Steel Author Steel Steel Author S		
Material screw connection Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Steel		
Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C		
Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C		
Environmental characteristics Climatic Operating temperature min25 °C		incorted paramed
Operating temperature min25 °C		
Operating temperature max. 85 °C		
	Operating temperature max.	85 °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: 2024-06-01



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.
Installation Cable	
wire arrangement	black 1, black 2, green-yellow
Cable identification	226
Cable Type	2
Jacket Color	gray
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, halogen-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 tolerance core insulation	± 5 %
Shore hardness wire insulation	43 ± 5 Shore D
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
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 (standard)	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
	2 kV @ 60 s
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket)	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
JV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
	2 Mio. @ 25 °C
No. of bending cycles (C-track)	