

stay connected

MSUD valve plug B-10mm with cable

PUR 3x0.75 gy UL/CSA 10m

Form B (10 mm) 110 V AC/DC ±10% LED and suppression without cable sleeves

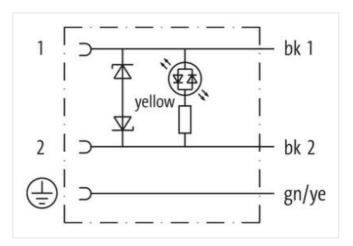
Plastic housings with good resistance against chemicals and oils.

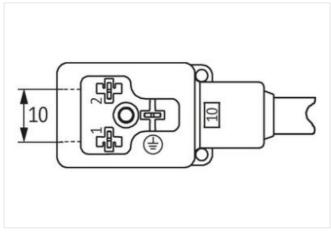
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

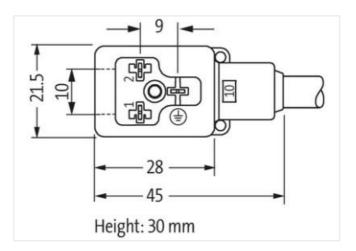
Link to Product

Illustration









Product may differ from Image











Cable length

10 m

Side 1

Tightening torque

0,4 Nm

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: 2024-05-19



Mounting method inserted, screwed Coating contact silver-plated Family construction form MSUD B Thread МЗ Material contact Copper alloy Material PBT No. of poles 3 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879223393 Packaging unit Electrical data Drop-out delay time max. 20 ms Electrical data | Supply Operating voltage AC 110 V Operating voltage AC min. 99 V Operating voltage AC max. 121 V Operating voltage DC 110 V Operating voltage DC min. 99 V Operating voltage DC max. 121 V Cut-off peak voltage max. 250 V Current operating per contact max. 4 A Current consumption max. 8 mA Diagnostics Status indication LED yellow Installation | Connection Mounting set МЗ Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1) Additional suppressor Diode, Z-Diode Mechanical data Contour for corrugated hose without Mechanical data | Material data Coating locking verzinkt Coating of fitting verzinkt Color housing black Locking material Steel Material screw connection Steel Mechanical data | Mounting data

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19



stay connected

	Mounting method	inserted, screwed
Operating temperature max. 85 °C depending on cable quelty depending o	Environmental characteristics Climatic	
Important installation notes Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable flee. Note on sharin or reader Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable flee. Note on bending radius Affention: Observe the permissible bonding radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered protection. **Annount stranding** **International Cables**	Operating temperature min.	-25 °C
Important installation notes Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable flee. Note on sharin or reader Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable flee. Note on bending radius Affention: Observe the permissible bonding radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered by exceesive bending radii when laying cables, as the IP protection class can be endangered protection. **Annount stranding** **International Cables**	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ries. Nate on herding radius Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be ordingrend by excessive bending forces. Installation (Cable Wire arrangement black 1, black 2, green-yellow Cable identification 226 Cable Type 2 2 Jacket Cotor gray Type of Cartificate class 1		depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ries. Nate on herding radius Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be ordingrend by excessive bending forces. Installation (Cable Wire arrangement black 1, black 2, green-yellow Cable identification 226 Cable Type 2 2 Jacket Cotor gray Type of Cartificate class 1	Important installation notes	
Attention: Closero the permissible bendring radii when laying cables, as the IP protection class can be entangement bendring red by excessive banding forces. Installation Cable wire arrangement black Nack 2, groen yellow Cable infortication 28 Cable Type 2 Jackel Cobir gray 2 Jackel Cobir gray 2 Jackel Cobir gray 3 Jackel Gray 3 Jackel Cobir gray 3 Jackel Cobir gray 3 Jackel Cobir gray 3 Jackel Gray 3 Jackel Cobir gray 3 Jackel Cobir gray 3 Jackel Gray 3 Jackel Cobir	•	Protect the connectors by quitable measures from mechanical leads, a g, by the usage of cable ties
installation Cable	Note on Strain relief	
wire arrangement black 1, black 2, green-yellow Cabbic Infilication 226 Cabbic Sprey 2 Jacket Color gray Type of Certificate Culflus Amount Stranding 1 Stranding 3 Wire arrangement black 1, black 2, green-yellow Cable weight 55.33 gm Material jacket PUR Shore hardness jacket 9 B Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free Outer diameter (jacket) 5,9 mm Orderance cuter (jacket) 5,5 mm Material inner jacket PVC Material inner jacket PVC Amount wises 3 Outer diameter (insulation 1,8 mm User dameter simulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 45 ± 5 Shore D Ingredient freeness	Note on bending radius	
Cable identification 2266 Cable Type 2 Jackal Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wise twisted wire arrangement black 1, black 2, green-yellow Cable weight 55,53 g/m Material jacket PUR Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from inpredents (jacket) 18ed Free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (lebeath) ± 5 % Material wire insulation PVC Material wire insulation PVC Material wire insulation 1,8 mm Outer diameter (lebeath) 4.5 % No Shore hardness wire insulation 4.3 ± 5 Shore D Ingredient freeness wire insulation 4.3 ± 5 Shore D Ingredient freeness wire insulation 1.5 mm Conductor type wire 42 Damaler of single wire 10,15 mm Conductor type (wire) 1	Installation Cable	
Cable Type 2 Jacket Color gray Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green yellow Cable weigh 55,33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 5,9 mm Coluer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material inner jacket PVC Amount wires 3 Outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter folorance core insulation ± 8 mm Outer diameter olorance core insulation ± 8 mm Outer diameter olorance core insulation ± 5 % Ingredient freeness wire insulation ± 2 % Ingredient freeness wire insulation ± 3 to 5 to re Outer diameter (wire arrangement	black 1, black 2, green-yellow
Jacket Color	Cable identification	226
Type of Certificate CURus Amount stranding 1 Standing 3 wires twisted wire arrangement black 1, black 2, green-yellow Cablo weight 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 (acket) 5 9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Amount wires 3 Outer diameter insulation 1,8 mm Under diameter insulation 1,8 mm Under diameter insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 4,5 mm Anount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V	Cable Type	2
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 Arnount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 1,5 mm Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore A More draws strands (wire) 42 Transmitter, CFC-free, silicone-free <td>Jacket Color</td> <td>gray</td>	Jacket Color	gray
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 55.33 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) 5.9 mm Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 2.5 % Material wire insulation PVC Material wire insulation PVC Amount wires 3 Outer diameter fusilation 1,8 mm Outer diameter foliarance core insulation 1,8 mm Outer diameter freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Amount strands (wire) 42 Diameter of single wires 0,15 mm Amount strands (wire) 42 Diameter of single wires 3 stranded copper wire, bare Actual of compactive (wire) Stranded copper wire, bare Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage (a max in wire) 2 kV @ 60 s<	Type of Certificate	cURus
wire arrangement black 1, black 2, green-yellow Cable weight 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 Material wire insulation 1,8 mm Outer diameter folerance core insulation 4.8 mm Normount wires 3 Outer diameter folerance core insulation 4.5 %me Shore hardness wire insulation 4.8 s Shore D Ingredient freeness wire insulation 4.9 s Shore D Ingredient freeness wire insulation 4.9 s Shore D Ingredient freeness wire insulation 4.9 s Shore D Ingredient freeness wire insulation 4.15 mm Conductor (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable weight 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 Toferance outer diameter (sheath) 5 % Material inner jacket PVC Material wire insulation PVC Material wire insulation 1,8 mm Outer diameter Insulation 1,8 mm Outer diameter insulation 2 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient	Stranding	3 wires twisted
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 Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 42 ± Diameter of single wires 0,15 mm Conductor type (wire) 5 stranded copper wire, bare 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) to DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (taxic	wire arrangement	black 1, black 2, green-yellow
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 Material wire insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation<	Cable weigth	55,33 g/m
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 PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Shore hardness wire insulation 43 ± 5 Shore D Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orsessection (wire) 0,75 mm² 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 098-4 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) 80 °C Operating temperature (static) 30 °C<	Material jacket	PUR
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wrie 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 Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor or osssection (wire) 0,75 mm² 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) to DIN VDE 0298-4 Current load capacity (wire vire) 2 KV @ 60 s Power frequency withstand voltage (wire - vire) 2 kV @ 60 s Power frequency withstand voltage (wire - vire) 2 kV @ 60 s Min. operating temperature (fixed) 60 °C Operating temperature min. (dyn	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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 Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orosssection (wire) 0,75 mm² 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) to DIN VDE 0298-4 Current load capacity (wire) 2 kV @ 60 s Electrical resistance line constant wire 26 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min.	Outer-diameter (jacket)	5,9 mm
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter berance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient 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 mm² 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) to DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 50 °C Operating temperature min. (dynamic) 50 °C	Tolerance outer diameter (sheath)	±5%
Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orsseection (wire) 0,75 mm² 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 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature max. (dynamic) 45 °C Operating temperature max. (dynamic) 45 °C UV resistance DIN EN ISO 4892-2 A Flame resistance	Material inner jacket	PVC
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient 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 mm² 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 - yire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 11	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient 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 mm² 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 - iacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 100 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance	Amount wires	3
Shore hardness wire insulation 43 ± 5 Shore D Ingredient 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 mm² 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 Qkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 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 UV resistance DIN EN ISO 4892-2 A Flame resistance EC 60332-2-2 [UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance DIN EN 6	Outer diameter insulation	1,8 mm
Ingredient 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 mm² 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 - ack wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Gelding radius (fixed) 10 x Outer diameter	Outer diameter tolerance core insulation	± 5 %
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 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 AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Shore hardness wire insulation	43 ± 5 Shore D
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 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 max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV 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 DIN EN 60811-404 Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire) 0,75 mm² 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) 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Amount strands (wire)	42
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) 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Diameter of single wires	0,15 mm
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) 30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Conductor crosssection (wire)	0,75 mm²
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 \(\Omega \text{L/Km} \) \(\omega \text{20} \) \(\cdot \text{C} \) AC withstand voltage (wire - wire) 2 kV \(\omega \text{60} \text{ s} \) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance iEC 60332-2-2 UL 1581 \(\xi \) 1090 UL 1581 \(\xi \) 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 \(\Omega/km \) \(\omega 20 \) \(\cdot \) C AC withstand voltage (wire - wire) 2 kV \(\omega 60 \) s Power frequency withstand voltage (wire - included) 30 \(\cdot \) C Min. operating temperature (static) -30 \(\cdot \) C Max. operating temperature (fixed) 80 \(\cdot \) C Operating temperature min. (dynamic) -5 \(\cdot \) C Operating temperature max. (dynamic) 80 \(\cdot \) C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 \(\green 1090 \) UL 1581 \(\green 1100 \) FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Conductor type (wire)	strand class 6
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 UV 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	Nominal voltage AC max.	300 V
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 UV 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Z kV @ 60 s Min. operating temperature (static) AC withstand voltage (wire - 2 kV @ 60 s Min. operating temperature (fixed) AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) S kV @ 60 s Win. operating temperature (static) AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) S kV @ 60 s AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) AC withstand voltage (wire - withs	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bull EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	Electrical resistance line constant wire	26 Ω/km @ 20 °C
jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Oil resistance DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV 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 Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter		2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C UV 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	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C UV 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	Max. operating temperature (fixed)	80 °C
UV 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	Operating temperature min. (dynamic)	-5 ℃
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	Operating temperature max. (dynamic)	80 °C
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	UV resistance	DIN EN ISO 4892-2 A
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	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
<u> </u>	Oil resistance	
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter

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: 2024-05-19



No. of bending cycles (C-track) 2 Mio. @ 25 °C

Travel speed (C-track) 3,3 m/s