

stay connected

MSUD valve plug BI-11mm with cable

PVC 3x0.75 bk 1.2m

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

Further cable lengths on request.

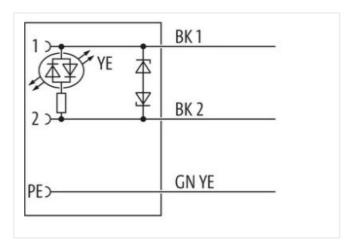
Plastic housings with good resistance against chemicals and oils.

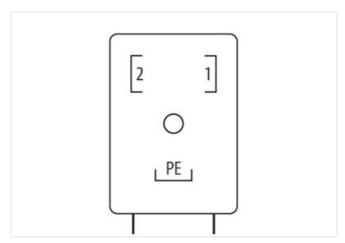
The resistance to aggressive media should be individually tested for your application. Further details on request.

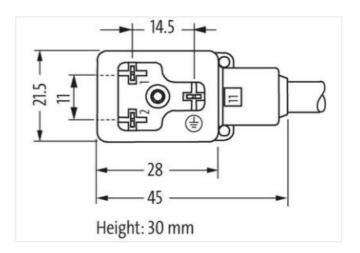
Link to Product

Illustration









Product may differ from Image









Cable length

1,2 m

Side 1

Tightening torque 0,4 Nm

),4 INM



stay connected

| Family construction form MSUD BI Thread M3 Material PBT Degree of protection (EN IEC 60529) IP67 Commercial date ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.1 27060312 ECLASS-1.1 27060312 ECLASS-1.2.0 27080312 ETIM-5.0 ECO01855 customs tariff number 85444290 GTIN 4048879221566 Packaging unit 1 Electrical data V Operating voltage AC max 20 ms Electrical data Supply V Operating voltage AC max 28.8 V Operating voltage AC max 28.8 V Operating voltage DC min 19.2 V Current operating voltage DC min 18 V Operating voltage DC min 19 V Current operating per contact max 4 A Current operating per contact max 4 A | Mounting method | inserted, screwed |
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| Material Material PBT | Family construction form | · |
| Meteral PBT Degree of protection (EN IEC 60269) IP67 Commercial data FPF ECLASS 8.0 2273918 ECLASS 8.0 27279218 ECLASS 8.0 27279218 ECLASS 9.0 2066311 ECLASS 1.1 27060312 ECLASS 1.2 2700312 ETIM-S.0 ECO1855 Customs Suff Inumber 69444290 OTIN 404857921566 Packaging unit 1 Electrical data V Drop-out delay time max. 20 ms Electrical data (Supply) V Operating voltage AC 24 V Operating voltage AC 24 V Operating voltage AC 24 V Operating voltage AC max. 28.8 V Operating voltage DC mix. 18 V Operating voltage DC mix. 18 V Operating voltage or contact max. 4 A Current operating per contact max. 4 A Current operating per contact max. 4 A Outrent operating per contact max. 4 A | | |
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| ECLASS-7.0 27279218 ECLASS-8.0 27797218 ECLASS-9.0 27060311 ECLASS-10.1 27060312 ECLASS-11.2 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECO01805 GTIN 4048878221566 Packaging unit 1 Electrical data VA Drop-out delay time max. 20 ms Electrical data Supply VOperating voltage AC Operating voltage AC max. 28,8 V Operating voltage AC max. 28,8 V Operating voltage AC max. 28,8 V Operating voltage DC max. 30 V Cubertle peak voltage max. 55 V Cubertle peak voltage max. 4 A Cubertle peak voltage max. 55 V Cubertle peak voltage max. 15 mA Diagnosties Status indication LED Velocity peak voltage max. 15 mA Diagnosties Status indication LED Installation Connection More time time time time time time time tim | | 07070040 |
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| Environmental characteristics Climatic Operating temperature min25 °C | | innerted servined |
| Operating temperature min25 °C | | |
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| 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: 2024-06-24



| stay | connected | 1 |
|------|-----------|---|
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| Note on strain rolled Note on strain rolled Note on strain rolled Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be entering forces. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be entering forces. Installation (Cable Wire straigement Sales (Installation) Sales (Installation | Additional condition temperature range | depending on cable quality |
|--|--|---|
| Note on bending radius Installation Cable wire arrangement black 1, black 2, grown yellow Cable identification Cable Section Section Cable Section Cable Section Cable Section Sectio | Important installation notes | |
| Installation Cable Wine arrangement Black 1, black 2, green-yellow Cable identification 616 Cable Type 1 Printing color of wire insulation white (solution black) Amount stranding 1 Stranding 3 wires twisted Cable weight 61,6 gm Material problem | Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| wire arrangement black 1, black 2, green-yellow Cable identification 616 Cable infentification 616 Cable Type 1 Printing color of wire insulation white (solation black) Jacket Color black Amount stranding 1 Stranding 3 wires twisted Stranding 3 wires twisted Stranding 3 wires twisted Cable weigh 61.6 p/m Material jacket PVC Shore hardness jacket 88 ± 5 Shore A Freedom from ingredients (jacket) 186 ± 5 Shore A Freedom from ingredients (jacket) 18.5 mm Colled-diameter (jacket) 5.5 mm Colled-diameter (jacket) 1.5 mm Colled-diameter (jacket) 1.5 mm Colled-diameter (jacket) 1.5 mm Colled diameter (jacket) 1.5 mm Colled diameter insulation PVC Material properties wire insulation PVC Material properties wire insulation 1.8 mm Colled diameter insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation white (jocalation black) Printing color of wire insulation white (jocalation black) Printing color of wire insulation white (jocalation black) Material productor of printing wires Conductor type (vire) 34 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 35 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 35 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 35 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 36 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 35 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 36 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 37 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 37 Mm Material conductor wire Stranded copper wire, barre Conductor type (vire) 37 Mm Material conductor wire Stranded copper wire, barre Cond | 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. |
| Cable Interview 1 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color black Amount standing 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigh 61.6 gm Material jacket PVC Shore hardness jacket 80.1 Shore A Freedom from Ingedients (jacket) 15.8 mm Folerance outer diameter (scket) 5.8 mm Tolerance outer diameter (scket) 5.8 mm Tolerance outer diameter (scket) 1.8 mm Outer diameter insulation PVC Anount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation 4.5 Shore b Ingedient freeness wire insulation 4.5 ± Shore D Material properties wire insulation 1.8 mm Ingedient freeness wire insulation 9.0 dm achimability Ingedient freeness wire insulation 1.8 dm developed multi-ree, CFC-free, silicone-free Printing color of wire insulation 1.8 dm developed mu | Installation Cable | |
| Cable Type 1 Printing color of wire insulation white (isolation black) Joked Color black Anount stranding 1 Stranding 3 wires twisted Wire arrangement black 1, black 2, green-yellow Cable weight 61,6 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredionts (jacket) 5,5 mm Tolerance outer diameter (glocket) 5,5 mm Tolerance outer diameter (glocket) 5,5 % Material wire insulation PVC Annount wires 3 Outer diameter of certained or insulation 1,5 mm Outer diameter insulation 1,5 mm Outer diameter of certained or insulation 43 ± 5 Shore D Material propenties wire insulation 25 % Shore hardness wire insulation 20 mm Impedient freeness wire insulation 20 mm Material propenties wire insulation 20 mm Printing older of wire insulation 24 ± 5 Shore D Material propenties wire insulation 10 mm | wire arrangement | black 1, black 2, green-yellow |
| Printing color of wire insulation white (isolation black) Jacker Color black Amount stranding 1 Stranding 3 wires twisted wire arrangement Dack 1, Stack 2, green-yellow Cable weighh 61.6 g/m Material placket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from impredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Toferance unter diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation white (solation black) Annount strands (wire) 24 Diameter of single wires 0,2 mm Conductor oressection (wire) 0,75 mm² Material properties wire insulation 1,8 mm Conductor type (wire) < | Cable identification | 616 |
| Jacket Color | Cable Type | 1 |
| Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 61.6 g/m Material Jacket PVC Shore hardness jacket 80.1.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer drameter (sheath) 4.5 % Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation 1,8 mm Outer diameter tolerance core insulation 4.5 % Shore hardness wire insulation 4.5 % Shore D Material properties wire insulation 4.5 % Shore D Material properties wire insulation 4.5 % Shore D Material properties wire insulation wite (solation black) Ingredient feeness wire insulation wite (solation black) Amount strands (wire) 24 Dameter of single wires 0.2 mm Conductor reconsection (wire) 57.5 mm² Material conductor wire Stranded copper wire, bare <t< td=""><td>Printing color of wire insulation</td><td>white (isolation black)</td></t<> | Printing color of wire insulation | white (isolation black) |
| Stranding 3 wires twisted wire arrangement black 1. black 2, green-yellow Cable weigh 61.5 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness gleket PVC Shore hardness gleket 99 de 15 Shore A Freedom from ingredients (jacket) 5.9 mm 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 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor vive insulation white (isolation black) Max. rated voltage (conductor - conductor) 0,75 mm² Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - conductor) | Jacket Color | black |
| wire arrangement black 1, black 2, green-yellow Cable weight 61,6 g/m Material Jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 % Tollerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter birsulation 1,8 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation good machinability Ingredient freeness wire insulation 43 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (solicin black) Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation shite (solicin black) Macuristrands (wire) 24 Diameter of single wires 0,2 mm Conductor type (wire) Strand class 5 Max. | Amount stranding | 1 |
| Cable weight 61,6 g/m Material jacket PVC Shore hardness jacket 89 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Toterance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties 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 A | Stranding | 3 wires twisted |
| Cable weight 61,6 g/m Material jacket PVC Shore hardness jacket 89 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Toterance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties 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 A | | black 1, black 2, green-yellow |
| Material jacket PVC Shore hardness jacket 80 ± S Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, silicone-free Manual strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Maximater of single wires 0,2 mm Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 50 V Max. rated voltage (conductor - ground) 300 V Current load capacity min. wire 12 A Electr | | |
| Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor or crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 50 V Max. rated voltage (conductor - ground) 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ | | - |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer dameter insulation 1,8 mm Outer dameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - orgound) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (sinadard) to DIN VDE 0296 | | 80 + 5 Shore A |
| Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - ground) 300 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Powe | - | |
| Tolerance outer diameter (sheath) | | |
| 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 Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor vires Stranded copper wire, bare Conductor type (wire) 0,75 mm² Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Fleetrical resistance (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (min. (dynamic) -5 °C< | 3 , | · · · · · · · · · · · · · · · · · · · |
| Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 3 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor of single wires 0,2 mm Conductor (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor (wire) \$ Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 70 °C < | . , | |
| Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing cotor of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 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) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating | | |
| Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation bead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor orosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - oroductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN NDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ωkm @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 70 °C UV resistance< | | |
| Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Fleetrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) 70 °C Operating temperature mi | | · · · · · · · · · · · · · · · · · · · |
| Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (solation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 70 °C U | | |
| Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - 3 kV @ 60 s Nin. operating temperature (static) -30 °C Operating temperature (fixed) 70 °C Operating temperature max. (dynamic) -5 °C Operati | | |
| Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 110 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, applica | | |
| Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) -5 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance | | |
| Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) -5 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Amount strands (wire) | 24 |
| Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - 3 kV @ 60 s Power frequency withstand voltage (wire - 30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Diameter of single wires | 0,2 mm |
| Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Conductor crosssection (wire) | 0,75 mm ² |
| Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) Max. rated voltage (conductor - ground) Gurrent 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Material conductor wire | Stranded copper wire, bare |
| Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Conductor type (wire) | Strand class 5 |
| 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) 3 kV @ 60 s Power frequency withstand voltage (wire - acket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Max. rated voltage (conductor - conductor) | 500 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) 3 kV @ 60 s Power frequency withstand voltage (wire - acket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Max. rated voltage (conductor - ground) | 300 V |
| Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Current load capacity (standard) | to DIN VDE 0298-4 |
| AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | 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) To °C Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | 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) Operating temperature min. | AC withstand voltage (wire - wire) | 3 kV @ 60 s |
| Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | . , | 3 kV @ 60 s |
| Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Min. operating temperature (static) | -30 °C |
| Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Max. operating temperature (fixed) | 70 °C |
| UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Operating temperature min. (dynamic) | -5 °C |
| Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | Operating temperature max. (dynamic) | 70 °C |
| 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 | UV resistance | DIN EN ISO 4892-2 A |
| 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 | Flame resistance | UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 |
| Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | chemical resistance | |
| Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter | | - |
| Bending radius (fixed) 5 x Outer diameter | | |
| | | |
| | Bending radius (dynamic) | |