

## MSUD double valve B-10mm with cable

PUR 4x0.75 gy UL/CSA 3m

Form B (10 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 150 mm Further cable lengths on request.

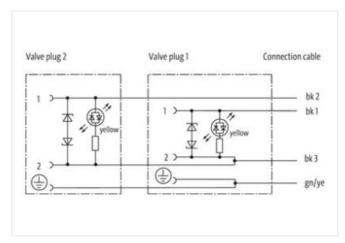
Plastic housings with good resistance against chemicals and oils.

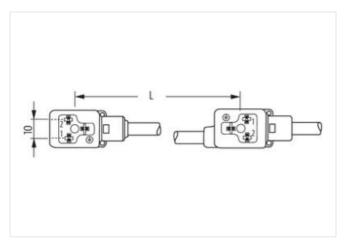
The resistance to aggressive media should be individually tested for your application. Further details on request.

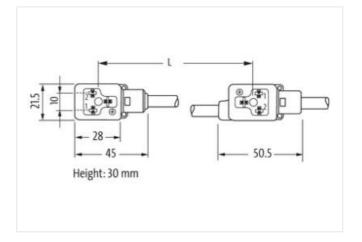
## **Link to Product**

## Illustration









Product may differ from Image



Cable length 3 m

Side 1

0,4 Nm Tightening torque

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: 2024-05-17



stay connected

Thread	M3
Material	PBT
Side 2	
Tightening torque	0,4 Nm
Thread	M3
Material	PBT
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879135979
Packaging unit	1
Electrical data	
Capacity CX	20 ms
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
Current operating per contact max.	4 A
Current consumption max.	12 mA
<u> </u>	12 11/1
Diagnostics	
Status indication LED	yellow
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data   Material data	
Color housing	black
Mechanical data   Mounting data	
Mounting method	inserted, screwed
Environmental characteristics   Climatic	
•	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	

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## stay connected

Printing color of wire insulation white (isolation black) acket Color gray ype of Certificate Amount stranding 1 Stranding 4 wires livisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 74,8 g/m Material jacket PUR Shore hardness jacket Shore hardness jacket Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PVC Color diameter (jacked) 7 mm Tolerance outer diameter (sheath) \$\frac{1}{2}\$\$ \$\	Cable identification	227
Jacket Color   gray   gray   CuPitus   CuPitus   CuPitus	Cable Type	2
Type of Certificate cURsus Amount stranding 1  Amount stranding 1  Amount stranding 4 wires twisted  Wire arrangement black 1, black 2, black 3, green-yellow  Cable weight 74,8 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 7 mm  Tolerance outer diameter (sheath) ± 5 %  Material inner jacket PVC  Color (inner jacket) 9 yellow  Material wire insulation PVC  Amount wires 4  Amount wires 4  Amount strandies wire insulation 1,8 mm  Outer diameter (sheath) ± 5 %  Shore hardness wire insulation 1,8 mm  Outer diameter (sheath) ± 5 %  Shore hardness wire insulation 1,8 mm  Outer diameter (sheath) ± 5 %  Shore hardness wire insulation 1,8 mm  Outer diameter (sheath) 1 ± 5 %  Shore hardness wire insulation 1,8 mm  Outer diameter (sheath) 2 ± 5 %  Shore hardness wire insulation 1 + 5 %  Shore h	Printing color of wire insulation	white (isolation black)
Ämount stranding         1           Stranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           Cable weigh         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Cotor (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         4           Amount wires         4           Outer diameter insulation         1,8 mm           Outer diameter insulation         ± 5 %           Shore bardness wire insulation         ± 5 %           Printing cotor of wire insulation         ± 5 %           Printing cotor of wire insulation         white (solation black)           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,75 mm²           Material conductor wire         Siranded copper wire, bare           Conductor type (wire)         strand class 6	Jacket Color	gray
Siranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           Cable weigth         74,8 g/m           Material jacket         PUR           Shore hardness jackel         85 ± 5 Shore A           Freedom from inpredients (jacket)         7 mm           Outer diameter (jacket)         7 mm           Tolerance outer dameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Color (inner jacket)         yellow           Material vire insulation         1,8 mm           Outer diameter (berance core insulation)         1,8 mm           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         42 ± 5 Shore D           Ingredient freeness wire insulation         42 ± 5 Shore D	Type of Certificate	cURus
wire arrangement         black 1, black 2, black 3, green-yellow           Cable weight         74,8 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer dameter (sheath)         ± 5 %           Material inner jacket         PVC           Cotor (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,8 mm           Outer diameter insulation         43 ± 5 Shore D           Injectient freeness wire insulation         43 ± 5 Shore D           Injectient freeness wire insulation         43 ± 5 Shore D           Injectient freeness wire insulation         white (solation black)           Amount strands (wire)         42           Dameter 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           Electrical function wire         Signal           Electrical function	Amount stranding	1
Cable weigh         74,8 g/m           Material jacket         PUR           Arrest parkers jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Annount wires         4           Quiter diameter insulation         1,8 mm           Outer diameter folerance core insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         white (solation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Electrical function wire         Signal           Fraversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (sta	Stranding	4 wires twisted
Material jacket         PUR           Shore hardness jacket         85 ± S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %.           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         1,8 mm           Outer diameter tolerance core insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Electrical function wire         Signal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4	wire arrangement	black 1, black 2, black 3, green-yellow
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (ner jacket)         yellow           Material wire insulation         PVC           Arnount wires         4           Outer diameter insulation         1,8 mm           Outer diameter insulation         4.8 mm           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of vire insulation         white (isolation black)           Amount strants (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           Electrical function wire         Signal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4	Cable weigth	74,8 g/m
Read-free, cadmium-free, CFC-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1.8 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         43 ± 5 Fhore D           Ingredient freeness wire insulation         white (solation black)           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           Electrical function wire         Signal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity standard)         to DIN VDE 0298-4           Current load capacity min. wire         9,6 A           Electrical function wire         Signal           Electrical function wire	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material inner jacket PVC Color (inner jacket) yellow Material wine insulation PVC Amount wires 4  Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation Head-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (Isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Electrical function wire Signal Traversing distance (C-frack) 5 m @ 25 °C   horizontal Nominal voltage AC max. 300 V Current load capacity (Isandard) to DIN VDE 0298-4 Current load ca	Outer-diameter (jacket)	7 mm
Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,8 mm           Outer diameter (loferance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0.75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Electrical function wire         Signal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN DE 0298-4           Current load capacity (standard)         to DIN DE 0298-4           Current load capacity (sinchard)         to DIN WE 0298-4           Guit and constant wire         26 Ω/km @ 20 °C           Min. operating temperature (static)         -30 °C           Operating temperature min. (dynam	Tolerance outer diameter (sheath)	±5%
Material wire insulation PVC Amount wires 4  Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 %.  Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 %.  Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) 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  Electrical function wire Signal Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Electrical function wire Signal Electric	Material inner jacket	PVC
Material wire insulation PVC Amount wires 4  Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 %.  Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 42 ± 5 %.  Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) 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  Electrical function wire Signal Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Electrical function wire Signal Electric	Color (inner jacket)	yellow
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ±5 % Shore bardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Electrical function wire Signal Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 min. wire 9,6 A Electrical function wire Signal Electrical function wire Signal Electrical resistance line constant wire 26 Ozhm @ 20 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Chemical resistance Gasoline resistance Good, application-related testing Oli resistance DIN EN 60811-404 Bending radius (dynamic) 15 x Outer diameter	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Ingredient freeness wire insulation black of the first part o	Amount wires	4
Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor orsssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Electrical function wire         Signal           Traversing distance (C-track)         5 m@ 25 °C   horizontal           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 resistance line constant wire         9.6 A           Electrical resistance line constant wire         26 Ω/km@ 20 °C           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C           Operating resistance         Good, application-related testing           Gasoline resistance         Good	Outer diameter insulation	1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 42  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Electrical function wire Signal  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical function wire Signal  Electrical function wire 9,6 A  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Gasoline resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404  Bending radius (dynamic) 15 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Outer diameter tolerance core insulation	±5%
Printing color of wire insulation white (isolation black)  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  Electrical function wire Signal  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical function wire Signal  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter	Shore hardness wire insulation	43 ± 5 Shore D
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  Electrical function wire Signal  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical function wire Signal  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance  Gasoline resistance  DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
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  Electrical function wire Signal  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical function wire Signal  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance  Good, application-related testing  DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Electrical function wire  Signal  Traversing distance (C-track)  S m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  Electrical function wire  Signal  Electrical function wire  Signal  Electrical resistance line constant wire  26 Ω/km @ 20 °C  Min. operating temperature (static)  A00 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  5 °C  Operating temperature max. (dynamic)  80 °C  Chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter	Amount strands (wire)	42
Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Electrical function wire  Signal  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  9,6 A  Electrical function wire  Signal  Electrical resistance line constant wire  26 Ω/km @ 20 °C  Min. operating temperature (static)  -30 °C  Max. operating temperature (fixed)  80 °C  Operating temperature max. (dynamic)  5 °C  Operating temperature max. (dynamic)  6 Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter	Diameter of single wires	0,15 mm
Conductor type (wire)       strand class 6         Electrical function wire       Signal         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       9,6 A         Electrical function wire       Signal         Electrical resistance line constant wire       26 Ω/km @ 20 °C         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter	Conductor crosssection (wire)	0,75 mm²
Electrical function wire  Signal  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  9,6 A  Electrical function wire  Signal  Electrical resistance line constant wire  26 \( \Omega \text{km} \) @ 20 °C  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical function wire Signal  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Conductor type (wire)	strand class 6
Nominal voltage AC max.  300 V Current load capacity (standard) Current load capacity min. wire 9,6 A  Electrical function wire Signal Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Electrical function wire	Signal
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       9,6 A         Electrical function wire       Signal         Electrical resistance line constant wire       26 Ω/km @ 20 °C         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404         Bending radius (fixed)       10 × Outer diameter         Bending radius (dynamic)       15 × Outer diameter	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity min. wire       9,6 A         Electrical function wire       Signal         Electrical resistance line constant wire       26 Ω/km @ 20 °C         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter	Nominal voltage AC max.	300 V
Electrical function wire       Signal         Electrical resistance line constant wire       26 Ω/km @ 20 °C         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 26 Ω/km @ 20 °C  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Current load capacity min. wire	9,6 A
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynamic	Electrical function wire	Signal
Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Electrical resistance line constant wire	26 Ω/km @ 20 °C
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) So C Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Bending radius (fixed) DIN EN Outer diameter  Bending radius (dynamic)  15 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Max. operating temperature (fixed)	80 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter	Operating temperature max. (dynamic)	80 °C
Oil resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Oil resistance	DIN EN 60811-404
	Bending radius (fixed)	10 x Outer diameter
Travel speed (C-track) 2 Mio. @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	Travel speed (C-track)	2 Mio. @ 25 °C