

## M12 male on top A-cod. / MSUD double valve BI-11mm

PUR 3x0.75 ye UL/CSA 0m

Form BI (11 mm) - M12, connector top entry 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 200 mm

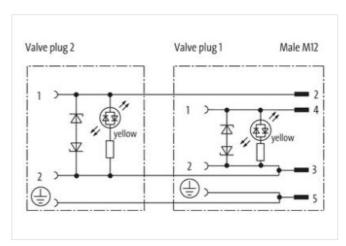
Plastic housings with good resistance against chemicals and oils.

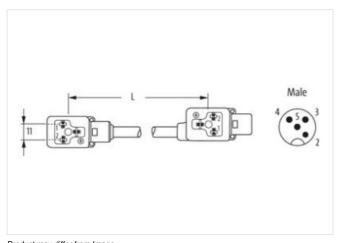
The resistance to aggressive media should be individually tested for your application. Further details on request.

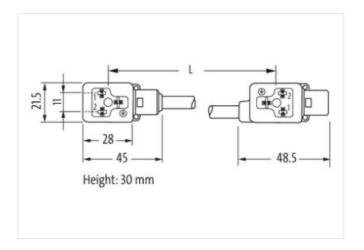
## **Link to Product**

## Illustration









Product may differ from Image



Side 1		
Tightening torque	0,4 Nm	
Thread	M3	
Side 2		



stay connected

Tightening torque	0,4 Nm	
Thread	M3	
Commercial data		
ECLASS-6.0	27143423	
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	4048879143721	
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	
Diagnostics		
Status indication LED	yellow	
	yollow	
Device protection   Electrical		
Degree of protection (EN IEC 60529)	IP67	
Degree of protection (ISO 20653:2013)	IP66K	
Additional condition protection degree	inserted, screwed	
Mechanical data   Material data		
Color housing	black	
Material housing	Plastic	
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		
	Destart the connectors by quitable managers from machinist leads as by the connector of a bit of the	
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		
Cable identification	026	
Cable Type	2	
Printing color of wire insulation	white (isolation black)	

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: 2024-05-14



Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigth         55 gm           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)         5,9 mm           Toflerance unter diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         3           Outer diameter resultation         1,8 mm           Outer diameter rolerance core insulation         1,8 mm           Outer diameter resultation         1,8 mm           Outer diameter resultation         43 ± 5 Shore D           Ingredient freeness wire insulation         42 ± 2           Printing color of wire insulation         white (solation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor type (wire)         Stranded copper wire, bar	Jacket Color	yellow
Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigh         55 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         15 9 mm           Tolerance outer diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         1,8 mm           Outer diameter insulation         1,8 mm           Outer diameter lolerance 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	Type of Certificate	cURus
wire arrangement         black 1, black 2, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         55 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)         59 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         3           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         43 ± 5 Shore D           Ingredient freeness wire insulation         42 ± 2           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           Nominal voltage AC max.         300 V           Current load capa	Amount stranding	1
Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         55 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)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           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         43 ± 5 Shore D           Ingredient freeness wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor rossection (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	Stranding	3 wires twisted
Cable weight         55 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)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,8 mm           Outer diameter insulation         43 ± 5 Shore D           Shore hardness wire 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 crosssection (wire)         0,75 mm²           Material conductor wire         Strander opper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity min. wire         9,6 A           Electrical resistance line constant wire <td>wire arrangement</td> <td>black 1, black 2, green-yellow</td>	wire arrangement	black 1, black 2, green-yellow
Material jacket	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Shore hardness jacket         85 ± 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 inner jacket         PVC           Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         3           Outer diameter loserance 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 rosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           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 (standard)         to DIN VDE 0298-4           Biectrical resistance line	Cable weigth	55 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  5,9 mm  Tolerance outer diameter (sheath)  ± 5 %  Material inner jacket  PVC  Color (inner jacket)  yellow  Material wire insulation  PVC  Amount wires  3  Outer diameter tolerance ocer einsulation  1,8 mm  Outer diameter tolerance ocer insulation  43 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  White (isolation black)  Amount strands (wire)  42  Diameter of single wires  0,15 mm  Conductor crosssection (wire)  Onductor type (wire)  Stranded copper wire, bare  Conductor type (wire)  Stranded capacity (standard)  to DIN VDE 0298-4  Current load capacity (standard)  Current load capacity (standard)  Min. operating temperature (static)  Max. operating temperature (static)  Max. operating temperature (static)  Max. operating temperature (static)  Gasoline resistance  Gaod, application-related testing  Gil resistance  Good, application-related testing  DIN EN 60811-404	Material jacket	PUR
Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         yellow           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         white (isolation black)           Amount strands (wire)         42           Pinnting color of 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           Nominal voltage AC max.         300 V           Current load capacity given, wire         9,6 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           Min. operating temperature (tatic)         30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min	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 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           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor rosssection (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         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)         5	Outer-diameter (jacket)	5,9 mm
Color (inner jacket)         yellow           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,8 mm           Outer diameter belerance 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           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 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)         50 °C           Operating temperature max. (d	Tolerance outer diameter (sheath)	± 5 %
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           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           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (min. wire         9,6 A           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           Operating temperature max. (dynamic)         80 °C           Chemical resistance         Good, application-related testing           Gil	Material inner jacket	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         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         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. 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         Operating temperature max. (dynamic)       600d, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-40	Color (inner jacket)	yellow
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           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           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. 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)         5 °C           Operating temperature max. (dynamic)         60 °C           Operating temperature max. (dynamic)         60 °C           Operating temperature max. (dynamic)         5 °C	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       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       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. 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       Chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404	Amount wires	3
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         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. 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         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404	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  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Max. 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	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  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 9,6 A  Electrical resistance line constant wire 26 Ω/km @ 20 °C  Max. 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	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         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. 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         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404	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  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. 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  chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404	Printing color of wire insulation	white (isolation black)
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       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         Chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404	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 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  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404	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 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  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404	Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Nominal voltage AC max.  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  9,6 A  Electrical resistance line constant wire  26 \( \Omega / \text{km} \emptyseta 20 \circ C  Min. operating temperature (static)  Associated associat	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. 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  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404	Conductor type (wire)	strand class 6
Current load capacity min. 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         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404	Nominal voltage AC max.	300 V
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	Current load capacity (standard)	to DIN VDE 0298-4
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynamic	Current load capacity min. wire	9,6 A
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	Electrical resistance line constant wire	26 Ω/km @ 20 °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	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	Max. operating temperature (fixed)	80 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404	Operating temperature min. (dynamic)	-5 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404	Operating temperature max. (dynamic)	80 °C
Oil resistance DIN EN 60811-404	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter	Oil resistance	DIN EN 60811-404
	Bending radius (fixed)	10 x Outer diameter

Bending radius (dynamic)

Travel speed (C-track)

15 x Outer diameter

2 Mio. @ 25 °C