

M12 male 90° A-cod. / MSUD valve plug A-18mm

PUR 5x0.34 bk UL/CSA+robot+drag ch. 0.3m

MSUD Form A (18 mm) – M12, male 90° 24 V DC ±25% LED (yellow/green) for pressure switches Further cable lengths on request.

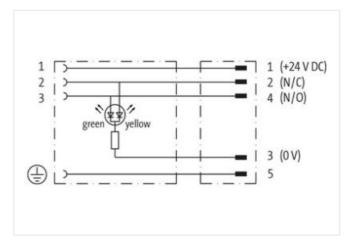
Plastic housings with good resistance against chemicals and oils.

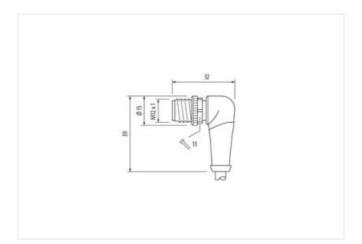
The resistance to aggressive media should be individually tested for your application. Further details on request.

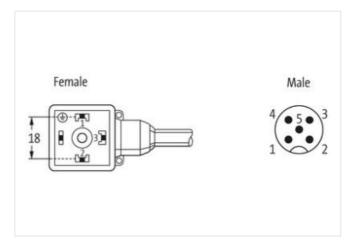
Link to Product

Illustration











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Product may differ from Image



Cable length	0,3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4048879610742
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Device protection Electrical	



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Rechanical data Material data Mechanical data Mounting data Mounting method Inspired Environmental characteristics Climatic Deparating temperature max.	Additional condition protection degree	inserted, screwed
Mechanical data Material data Material data Material data Mounting data		
Dot nousing black Asterian Nousing Passic Mounting method inserted, screwed Environmental characteristics Climatics Cli		U,8 KV
Mechanical data Mounting data Mounting data Mounting data Mounting method Inserted, screwed Environmental characteristics Climatic Departing temperature min. 25 °C Departing temperature max. 85 °C Additional condition temperature range depending on cable quality Installation Cable Basile identification 655 Datable identification 645 Datable identification 645 Datable identification 646 Datable weight 641 Datable weight 642 Datable weight 644 Datable weight	Mechanical data Material data	
Mochanical data Mounting data Inserted, screwed Environmental characteristics Climatic Environmental characteristics Climatic Environmental characteristics Climatic 25 ° C Operating temperature max. 85 ° G Additional condition temperature range 95 ° G Additional condition temperature range 95 ° G Subset of principles 5 Sable Interpretation 65 ° G Sable 17 ypp 5 Sable 17 ypp 5 Sable 17 ypp 5 Sable 17 ypp 5 ° S Sable 17 ypp 5 ° S ° S ° S ° S ° S ° S ° S ° S ° S °	Color housing	black
Inserted, screwed Inse	Material housing	Plastic
Department Characteristics Climatic	Mechanical data Mounting data	
Departating temperature min. 25 °C	Mounting method	inserted, screwed
Departating temperature min. 25 °C	Environmental characteristics Climatic	
Departing temperature max. 85 °C deditional condition temperature range depending on cable quality Installation [Dabe] Cable identification 655 Cable Type 5 Cable Type 5 Cable Type 5 Cable Type 6 Certificate CURus Innounit stranding 1 Care Color Dake Innounit stranding 1 Care Color Dake Swres around Core filler twisted Ciller Yes Wes around Core filler twisted Ciller Yes Ciller Yes Ciller Yes Ciller Yes Ciller Yes Ciller Yes Ciller Core Core Core Ciller Yes Ciller Core Core Ciller Core Core Ciller Core Core		-25 °C
Mactional condition temperature range Mepending on cable quality		
Sabel inflication Cable		
Cable Identification 655 Cable Type 5 Scaket Cofor black Spee of Certificate cURs Amount stranding 1 Stranding 5 wise around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow A. o. Ebending cycles (C-track) 10 Mac. @ 25 °C Zable weight 41.8 g/m Material jacket PUR Finedom from ingredients (galcet) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Treedom from ingredients (galcet) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Obter-diameter (glocket) 5 mm Obter-diameter (glocket) 5 5 Obter-diameter (glocket) 5 5 Obter-diameter (glocket) 5 5 Obter-diameter (glocket) 1,25 mm Obter-barderses wire insulation 7,4 ± 3 Shore D <td>·</td> <td>depending on casie quality</td>	·	depending on casie quality
Sacket Color	Installation Cable	
Jacket Color Diack CURus CURU	Cable identification	
Type of Certificate CURus Amount stranding 1 Stranding 5 wires around Core filler twisted Fillor yes wild a rangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weight 41.8 g/m Material gabet PUR Phore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Golder diameter insulation PP Amount wires 5 Shore hardness wire insulation 74 ± 3 Shore D Duter diameter (oberance core insulation 74 ± 3 Shore D Uncert diameter (oberance core insulation 74 ± 3 Shore D Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 42 Diameter of single wires 0,1 mm Conductor type (wire) strand class 6 Freevering distance (C-track) 5 m @ 25 °C Diameter of single wires		5
Stranding 5 wires around Core filler twisted	Jacket Color	
Stranding 5 wires around Core filler twisted yes wire arrangement yes you wire arrangement brown, black, blue, white, green-yellow 10. of bending cycles (C-track) 10 Mio. @ 25 °C 2able weight 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Donductor crosssection (wire) 0,34 mm² Material conductor river Strand copper wire, bare Donductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Durrent load capacity (standard) bin N VDE 0288-4 Durrent load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Mic. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Diversition emperature min. (dynamic) 25 °C Flame resistance Interestiance Interes	Type of Certificate	
Filler yes	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow Vo. of bending cycles (C-track) 10 Mio. @ 25 °C Zable weight 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Follorance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter sizulation 1,25 mm Duter diameter tolerance core insulation 74 ± 3 Shore D Outer diameter swire insulation 74 ± 3 Shore D Impredient freeness wire insulation 74 ± 3 Shore D Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Inorizontal Current load capacity (standard) to DI	Stranding	5 wires around Core filler twisted
10 Mio. @ 25 °C	Filler	yes
Cable weigth 41.8 g/m Material Jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Follerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter tolerance core insulation 1,25 mm Duter diameter tolerance core insulation 2.5 % Shore hardness wire insulation 7.4 ± 3 Shore D Ingredient freeness wire insulation 1.25 mm Amount strands (wire) 42 Diameter of single wires 0,1 mm Onductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Onductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 *C horizontal Durrent load capacity (standard) 10 DIN VDE 0298-4 Durrent load capacity win. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Vowninal voltage power AC max. 30	wire arrangement	brown, black, blue, white, green-yellow
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Follerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter tolerance core insulation 1,25 mm Duter diameter tolerance core insulation 2.5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 142 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m@ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Power frequency withstand voltage power wire - wire) 2.5 kV @ 60 s AG withst	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Shore hardness jacket 58 ± 3 Shore D Treedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Toloreance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter insulation 1,25 mm Duter diameter rolerance core insulation 1,25 mm Duter diameter rolerance core insulation 2,4 ± 3 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire insulation 1,4 ± 5 Shore D Ingredient freeness wire	Cable weigth	41,8 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5 mm Folerance outer diameter (sheath) ±5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter loterance core insulation ±5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Donductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Stranded copper wire, bare Stranded copper wire, bare Donductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Durrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - wire) 2,5 kV @ 60 s Win . operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Div resistance DIN EN ISO 4898-2 2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Material jacket	PUR
Duter-diameter (jacket) 5 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Freversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V 20wer frequency withstand voltage power wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) 40 °C </td <td>Shore hardness jacket</td> <td>58 ± 3 Shore D</td>	Shore hardness jacket	58 ± 3 Shore D
Section Sec	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Sower frequency withstand voltage power wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (ifixed) 80 °C / 90 °C @ 10000 h Operation Deperating temperature min. (dynamic)	Outer-diameter (jacket)	5 mm
Amount wires 5 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ωkm @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) 2,5 kV @ 60 s Min. operating temperature (stick) 80 °C / 90 °C @ 10000 h Operation Operating temperature (stick) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operat	Tolerance outer diameter (sheath)	± 5 %
Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (stacic) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C DV resistance DIN EN ISO 4892-2 A	Material wire insulation	PP
Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orsssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Courrent load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1	Amount wires	5
Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Diperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation DV resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation I lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires Onductor crosssection (wire) Onductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Stranded coppe	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - yicket) AC withstand voltage power (wire - wire) 4,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Diperating temperature min. (dynamic) -25 °C Diperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation DIV resistance DIN EN ISO 4892-2 A Elame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Elame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 \(\Omega \text{km} \) @ 20 °C Nominal voltage power AC max. 300 V Cower frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (size) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Departing temperature max. (dynamic) 25 °C Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Stranded copper wire, bare strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 4,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Departing temperature min. (dynamic) 2.5 °C Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation DIV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Fraversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Conductor crosssection (wire)	0,34 mm ²
Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Deperating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Flame resistance Electrical resistance 4,5 A 60 Ω/km @ 20 °C 20 S C 21 S C 21 S C 22 S C 23 S C 24 S C 25 S C 26 S C 27 S C 28 S C 29 S C S C 20 S C S S C 20 S C S S S S S S S S S S S S S S S S S	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. 300 V Power frequency withstand voltage power wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Departing temperature min. (dynamic) 25 °C Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Current load capacity min. wire	4,5 A
Power frequency withstand voltage power wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Deperating temperature min. (dynamic) -25 °C Deperating temperature max. (dynamic) 30 °C / 90 °C @ 10000 h Operation Div resistance DIN EN ISO 4892-2 A Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Electrical resistance line constant wire	60 Ω/km @ 20 °C
wire - jacket) AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation JV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Nominal voltage power AC max.	300 V
Min. operating temperature (static) Max. operating temperature (fixed) Deperating temperature min. (dynamic) Deperating temperature max. (dynamic) Deperating temperature max. (dynamic) B0 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	AC withstand voltage power (wire - wire)	2,5 kV @ 60 s
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
JV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Operating temperature min. (dynamic)	-25 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
	UV resistance	DIN EN ISO 4892-2 A
chemical resistance Good, application-related testing	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
	chemical resistance	Good, application-related testing

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: 2024-04-19



Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m