

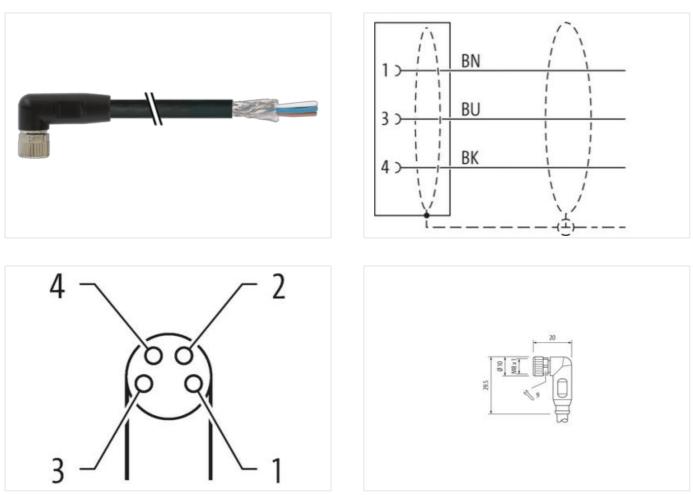
## M8 female 90° A-cod. with cable shielded

PUR 3x0.34 shielded bk UL/CSA+drag ch. 20m

Female 90° M8, 3-pole shielded with cable sleeves 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





Product may differ from Image



20 m

0,4 Nm

Cable length

Side 1

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: 2024-06-26

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Mounting method	inserted, screwed M8
Family construction form	
hread	M8 x 1
uitable for corrugated tube (internal Ø)	6,5 mm PUR
Naterial Vidth across flats	SM8
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879505888
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	*^
Installation   Connection	
Mounting set	M8 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	 
Mechanical data   Material data	
	NP-L-1-4
Coating locking	Nickeled
Coating of fitting	nickel plated
_ocking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	-25 °C 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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)

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Cable isolitication         640           Cable Type         3           Locket Color         black           Type of Cartificate         CPUse           Amount stranding         1           Stranding         Stranding           Cable shinding (type)         cooper braid, timed           Cable shinding (type)         downard           Cable shinding (type)         for anotic time arrite shinding           Cable shinding (type)         for anotic time arrite shinding           Cable shinding (type)         for anotic time arrite shinding           Cable shinding (type)         for a forabit time insulation           Cable shinding (type)         for a forabit time insulation           Cable shinding (type)         for a forandit time insulation           Cable shi	wire arrangement	brown, black, blue
Cable Type         9           Jackel Color         Black           Type of Cartificate         cUPus           Annout Stranding         1           Stranding         3 wisse Wisted           Cable shelding (type)         copper brind, funned           Cable shelding (type)         80 %           Banding         Pieces, Foil           Wrie atraggement         Brown, Baak, blue           Cable shelding (type)         44 g/m           Material jacket         90 ± 5 Shore A           Freeson from ingradients (jacket)         90 ± 5 Shore A           Freeson from ingradients (jacket)         1 ± 5 %           Material jacket         90 ± 5 Shore A           Freeson fourd cameler (short)         5 m           Oder diamater insulation         1 ± 5 %           Material wire insulation         1 ± 5 %           Outer diamater insulation         1 ± 5 %           Store tharbares wire insulation         1 ± 5 %           Store diangle wires         0 1 mm	-	
Jacket Color         black           Type of Certilicate         culfus           Amount stranding         1           Stranding         Swinsb Weikel           Cable shelding (coverage)         60 %           Banding         Piece, Foll           wire arrangement         bown, black, blue           Cable shelding (coverage)         80 %           Share all packet         PLB           Share all packet         PLB           Share all packet         94 % 5 Shore A           Freedom from ingredingts (gacket)         64 % free, carinium-free, CFC-free, halogen free, silicone free           Outer diameter (gacket)         5 m           Toleranco culer diameter (salext)         5 %           Shore hardingts in inclusion         PP           Amount strands (win inclusion)         1.25 mn           Outer diameter tolerance core inaulation         1.5 %           Shore hardingtes win insulation         1.25 mn           Outer diameter tolerance core inaulation         1.25 mn           Outer diameter tolerance core inaulation         1.25 mn           Outer diameter tolerance core inaulation         1.25 free           Shore harding wins         0.14 mm <sup>-1</sup> Cardinator bree winsulustion         1.25 % Cove D		
Type of Certificatio         cURus           Arround Stranding         1           Stranding         3 wise stutted           Cable shelding (type)         coppor braid, finand           Cable shelding (type)         89 %           Banding         Fleece, Foll           wire a trangement         bown, btad, blue           Cable shelding (type)         94 5 Strore A           Fleecon from ingredients (jacket)         94 5 Strore A           Fleecon from ingredients (jacket)         1es 4 Strore A           Fleecon from ingredients (jacket)         5 Strore A           Cuter diameter insulation         1 2 S %           Material wire insulation         1 2 S Strore D           Fleerender freeness wire insulation         1 4 S %           Store adverses wire insulation         1 4 S %           Daneet drafts wire insulation         1 4 S %           Daneet drafts wire insulation         1 4 S %           Daneet draft insulation         1 2 S thore D           Intradient freeness wire insulation         1 4 S %           Daneet drafts wire shell		
Amount Standing         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         80 %           Bandring         Floore, Foll           wire arrangement         brown, black, blue           Cable weight         44 g/m           Material jacket         92 5 Store A           Freedom from fingedionts (jacket)         91 5 Store A           Freedom from fingedionts (jacket)         1 6 %           Material vice insulation         PP           Amount vices         3           Outer -dimeter (plocket)         5 mm           Tolarance outer diameter (plocket)         5 mm           Outer -dimeter insulation         1.25 mm           Outer dimeter (plocket)         70 ± 5 Store D           Ingradient treasarties wire insulation         70 ± 5 Store D           Ingradient treasarties wire insulation         70 ± 5 Store D           Ingradient treasarties wire insulation         70 ± 5 Store D           Ingradient treasarties (wire)         0.4 mm²           Conductor type		
Stranding         3 wires twiatad           Cable abelding (type)         copper braid, timed           Cable abelding (type)         00 %           Banding         Fleece, Foll           wire arrangement         Down Labe, thule           Cable weight         44 g/m           Material jacket         DUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (glacket)         Isad-tree, cadmium-free, CFC-tree, halogen-free, silicone-free           Outer diameter (glacket)         5 %           Material wei instalation         PP           Amount wires         3           Outer diameter (sheath)         1 25 mm           Outer diameter insulation         1 25 %           Material wei instalation         70 ± 5 Shore D           Disore hardness wire insulation         1 25 mm           Outer diameter (sheath)         1 25 %           Material wei instalation         70 ± 5 Shore D           Ingrodient freeness wire insulation         1 25 mm           Outer diameter (sheath)         1 25 mm           Outer diameter (sheath)         1 25 mm           Outer diameter of single wires         0 1 mm           Conductor corsessection (wire)         0 34 mm²           Mater		
Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         80 %           Bandring         Floece, Foll           wire arrangement         brown, black, blue           Cable weight         44 q/m           Material jackot         PUR           Share hardness jacket         90 5 5 Shore A           Freechn from ingredents (gacket)         180 A Fore A           Tolerance outer diameter (backht)         5 %           Amount wiss         3           Outer diameter insulation         125 mm           Outer diameter insulation         102 for D           From Introfess wire insulation         102 for Shore D           Conductor type wire insulation         102 for Shore D           Conduct diameter insulation         102 for marker wire insulation           Conduct or type wire insulation         103 for D           Conduct diameter insulation         104 for more insulation           Conter tinsulascapacity (stincation)         0.1 mm		3 wires twisted
Cable shelding (coverage)         80 %           Banding         Fibeco, Fol           wire arrangement         brown, black, blue           Cable weight         44 g/m           Material jacket         PUF           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredents (acket)         lead-tree, cadmium-ree, CPC-tree, halogen-free, silicone-free           Outer diameter (lacket)         5 m           Outer diameter (lacket)         5 %           Matarial wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         7.9 ± 5 Shore D           Ingredient freeness wire insulation         7.9 ± 5 Shore D           Ingredient freeness wire insulation         7.9 ± 5 Shore D           Ingredient freeness wire insulation         1.25 mm           Outer diameter lock wire insulation         1.25 mm           Outer diameter solution         9.4 Shore D           Ingredient freeness wire insulation         1.25 mm           Outer diameter solution         9.4 Free-           North Stand Koll         0.04 mm²           Material solution         0.04 mm²           Mouter fasolacoxpore insulation         0.1 mm		
Banding         Fleace, Foil           wire intragement         brown, black, blue           Cable weigh         44 g/m           Material jacket         PUR           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingrodients (jacket)         bat-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Telerance outer drameter (health)         5 %           Material wire insulation         PP           Anount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredent freenes wire insulation         70 ± 5 Shore D           Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor wire         Stranded copper wire, bare           Conductor wire		
Wire arangement         brown, black, blue           Cable weight         44 g/m           Material jacket         PUF           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         be 5 Shore A           Outro diamoter (jackot)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         90 ± 5 Shore A           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingresient freeness wire insulation         162 Shore D           Ingresient freeness wire insulation         163 Shore D           Ingresient freeness wire insulation         10 Shore D           Ingresient freeness wire insulation         10 Shore D           Ingresient freeness wire insulation         10 Shore           Conductor cro		
Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance suiter diameter (health)         5 %           Material wire insulation         PP           Amount wires         3           Outer diameter (insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter weir insulation         1.25 mm           Outer diameter weir insulation         1.42 mm           Diameter of single wires         0,1 mm           Conductor researces weir insulation         1.01 Mm           Conductor viree         Stranded copper wire, bare           Conductor vipe (wire)         strand class 6           Normal vitage AC max.         300 V           Current load capacity (standard)         to DIN VDE D298-4           Current load capacity (standard)         to DIN VDE D298-4           Current load capacity (standard)		
Material jacket         PUR           Shore hardness jacket         90 15 Shore A           Freedom from ingrolents (jacket)         6 Jack-rec, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (jacket)         5 mm           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 %           Shore hardness wire insulation         1.25 %           Shore hardness wire insulation         1.25 %           Shore hardness wire insulation         1.26 %           Conduct crassections (wire)         42           Diameter ol single wires         0.1 mm           Conductor vires exections (wire)         0.34 mm <sup>3</sup> Material conductor wire         Standed copper wire, bare           Conductor vires exections (wire)         0.01 N VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire wire)         2 kV @ 60 s           AC withstand voltage (wire - sileid)         2 kV @ 60 s           Curent load capacity (wire wire)         2 kV @ 60		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wre insulation         PP           Amount wires         3           Outer diameter (shealth)         ± 5 %           Material wre insulation         1,25 mm           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter tolerance core insulation         1 = 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         0,1 mm           Conductor tyre wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Manuer al strands (wire)         0,34 mm <sup>3</sup> Conductor tyre wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Conductor tyre (wire)         0,34 mm <sup>3</sup> Conductor tyre (wire)         0,44 mm <sup>3</sup> Conductor tyre (wire)         0,44 mm <sup>3</sup> Conductor tyre (wire)         stranded copper wire, bare           Conductor tyre (wire)         stranded cosper wire, bare           Conductor tyre (wire		
Predom from lagradients (jacket)         lead-free, cadmium-free, CPC-free, halogen-free           Outer-diameter (jacket)         5 mm           Telerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,26 mm           Ingredient freeness wire insulation         1,24 mm <sup>2</sup> Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor vige (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE (298-4           Current load capacity (standard)         to DIN VDE (298-4 <t< td=""><td>-</td><td></td></t<>	-	
Outer dameter (jacket)         5 mm           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1.65 %           Shore hardness wire insulation         16.5 %           Amount Stands (wire)         42           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0.34 mm³           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 0286-4           Current load capacity wint.wire         6 A           Electrical resistance line constant wire         57 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequenziture (istaic)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature mix. (dynamic)         28 °C           Operating temperat	-	
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1.25 mm         Outer diameter insulation       5 %         Shore hardness wire insulation       70 ± 5 Shore D         Impredient treeness wire insulation       70 ± 5 Shore D         Impredient treeness wire insulation       42         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Nominal voitage AC max.       30 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (wire - shield)       2 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max.operating tem		
Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1.26 fmr           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0.34 mm²           Material conductor wire         Strand 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 (stand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed		
Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount stands (wire)     42       Dameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm²       Conductor vire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (stinadard)     to DIN VDE 0298-4       Current load capacity (stinadard)     to VIM @ 00 *       Q kV @ 60 s     <		
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Impredient 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 crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           AG withstand voltage (wire - vire)         2 kV @ 60 s           AG withstand voltage (wire - shield)         2 kV @ 60 s           Min. oporating temperature (tixed)         40 °C           Max - operating temperature (tixed)         80 °C / 90 °C @ 10000 h Operation           UV resistance         UN 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         UL 1581 § 1100 FT2   UL 1581 § 1090		
Outer diameter tolerance core insulation $\pm$ 5 %           Shore hardness wire insulation         70 ± 5 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 crossection (wire)         0.34 mm <sup>2</sup> 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 0288.4           Current load capacity (wire - wire)         2 KV @ 60 s           Power frequency withstand voltage (wire - inter)         2 kV @ 60 s           Power frequency withstand voltage (wire - inter)         2 kV @ 60 s           Min. operating temperature (fixel)         26° C 90 °C 0           Max. operating temperature (fixel)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixel)         80 °C / 90 °C @ 10000 h Operation           VI resistance         DIN EN ISO 4492-2 A           Flame resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing <td></td> <td></td>		
Shore hardness wire insulation         70 ± 5 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 cosssection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298.4           Current load capacity (standard)         to DIN VDE 0298.4           Current load capacity (wire)         2 kV @ 60 s           Ac withstand voltage (wire - wire)         2 kV @ 60 s           Ac withstand voltage (wire - wire)         2 kV @ 60 s           Ac withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Querating temperature (static)         -40 °C           Parameture min. (dynamic)         -25 °C           Operating temperature (static)         -40 °C           Flame resistance         DIN EN ISO 4892-2 A		
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0286.4Current load capacity (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - site)2 kV @ 60 sAC withstand voltage (wire - site)2 kV @ 60 sMax. operating temperature (static)40 °CMax. operating temperature (static)40 °CMax. operating temperature (static)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892.2 AFlame resistanceUI ESI § 1000 J IEC 60332.2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOII r		
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - acket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature (static)-26 °COperating temperature (static)-25 °CChemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistance <td< td=""><td></td><td></td></td<>		
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       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)     6 A       Electrical resistance line constant wire)     57 Q/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - 40 °C     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature (static)     -40 °C       Vir esistance     DIN EN ISO 4892-2 A       Fiame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil r		
Conductor crossection (wire)       0,34 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         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -60 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       U L 1581 § 1100 FT2   U L 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related		
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDire resistanceGood, application-related testingDire resistanceGood, application-related testingOil resistanceGood, application-related testingDire resistanceGood, application-related testingDire resistanceGood, application-related testingDire resistanceGood, application-related testingDire resi		
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (tixed)2 kV @ 60 sMax. operating temperature (tixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (tixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (tixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing <td></td> <td>•</td>		•
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGil resistanceGood, application-related testingOil resistanceS Mio. @ 25 °C		
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No. of torsion cycles     2 Mio.       Torsion stress     ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Torsion stress ± 30 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26

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