

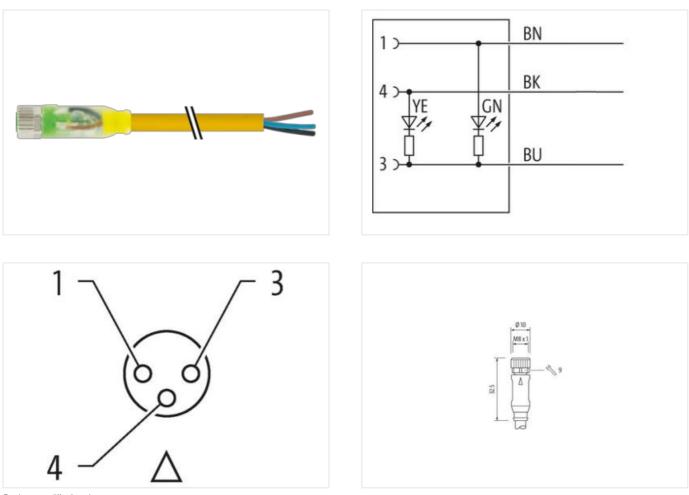
## M8 female 0° A-cod. with cable LED

PVC 3x0.25 ye UL/CSA 10m

Female straight M8, 3-pole 2× LED (PNP) Art-No. 7005 - M8 Lite - (plastic hexagonal screw) 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. Further cable lengths on request.

## Link to Product

Illustration



Product may differ from Image



10 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: 2024-05-17

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Family construction formM8ThreadM8 x 1suitable for corrugated tube (internal Ø)6,5 mmCable outletstraightCodingAMaterialPURNo. of poles3Width across flatsSW9Degree of protection (EN IEC 60529)IP67Side 2Stripping length (jacket)20 mmFamily construction formfree cableCommercial data27279218ECLASS-6.027279218ECLASS-6.127279218ECLASS-6.127279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-10.127060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ETIM-5.0EC001855customs tariff number85444290GTIN404887952Packaging unit1Electrical data   SupplyOperating voltage DCOperating voltage DC24 VOperating voltage DC max.30 VOperating voltage DC max.30 VOperating voltage DC max.30 VOperating voltage DC max.4 ADiagnostics30 VStatus indication LEDgreen, yellInstallation   Connection1	and
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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       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     404887952       Packaging unit     1       Electrical data   Supply     V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED     green, yell	
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     EC01855       customs tariff number     85444290       GTIN     404887952       Packaging unit     1       Electrical data   Supply     0       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Diagnostics     Status indication LED     green, yell	
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ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC01855       customs tariff number     85444290       GTIN     404887952       Packaging unit     1       Electrical data   Supply     0       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Diagnostics     Status indication LED     green, yell	
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Packaging unit   1     Electrical data   Supply     Operating voltage DC   24 V     Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   UL-listed)     Operating voltage DC max.   4 A     Diagnostics   green, yelled	2202
Electrical data   Supply     Operating voltage DC   24 V     Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   4 A     Diagnostics   green, yelled	
Operating voltage DC   24 V     Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   UL-listed)     Operating voltage DC max.   4 A     Diagnostics   green, yell	
Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   UL-listed)     Overating voltage DC max.   4 A     Diagnostics   green, yelled	
Operating voltage DC max.   30 V     Operating voltage DC max. (UL-listed)   30 V     Current operating per contact max.   4 A     Diagnostics   green, yelled	
Operating voltage DC max. (UL-listed)   30 V     Current operating per contact max.   4 A     Diagnostics   green, yelled	
Current operating per contact max.   4 A     Diagnostics   green, yelled	
Diagnostics Status indication LED green, yelle	
Status indication LED green, yell	
Installation   Connection	w
Stripping length (jacket) 20 mm	
Mounting set M8 x 1	
Device protection   Electrical	
Additional condition protection degree inserted, so	rewed
Pollution Degree 3	
Rated surge voltage 0,8 kV	
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking Nickeled	
Coating of fitting nickel plate	
Locking material Zinc die-ca	a
Material screw connection Zinc die-ca	
	sting
Mechanical data   Mounting data	sting
-	sting sting
Environmental characteristics   Climatic	sting

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dational condition access     depending on cable quality       important installation noise     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       bits on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       contorniny     UNE N6 1076-2:104 (M8)       mataliation (Cable     The strain of the strain	Operating temperature min.	-25 °C
Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ines.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be diangered by excessive bending forces.     Image: Cable C	Operating temperature max.	85 °C
The on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Identifiers:     Charterion::     Charterion:::     Charterion:::     Charterion:::     Charterion:::     Charterion::::     Charterion::::::::::::::::::::::::::::::::::::	Additional condition temperature range	depending on cable quality
Interaction     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Interaction     Interaction       Installation [Cable     UN EN 610762-104 (M8)       Installation [Cable     Interaction     Interaction       able [camification     010     Interaction       able [camification     100     Interaction       able [camification     PVC     Interaction       able [camification     PVC     Interaction       able [camification     PVC     Interaction       able fradit [camification	Important installation notes	
Description     mediagered by excessive bending forces.       Conformity     Image description       Conformity     DN EN 610762-104 (M8)       installation   Cable     010       sable description     910       Sable Type     1       acter Color     yellow       spee of Certificate     cJRus       curved Sable Type     0.10       sable description     yellow       spee of Certificate     cJRus       curved Sable Type     0.10       sable description     yellow       spee of Certificate     cJRus       spee of Certificate     cJRus       spee of Certificate     PVC       spee of Certificate     5.5 Shore A       readom from ingrodents (acket)     4.5 Shore A       readom from ingrodents (sheath)     1.5 Shore A       spee of metrificates     3       spee of metrificates     3       spee of metrificates     3       spee of metrificates     4.5 Shore D       spee of metrificates     5.5 Shore D       spee of metrificates     0.5 Sm <sup>-1</sup>	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Induct standard     DIN EN 1076-2-104 (M8)       installation     0 10       able identification     0 10       able identification     0 10       able Identification     0 10       able Identification     y III       ackel Color     y IIII       out Istanding     1       tranding     3 wires wisted       tranding     3 wires wisted       tranding     29.37 g/m       table wolgth     29.37 g/m       table is arrangement     brow, black, blue       able wolgth     29.57 g/m       readom from ingradients (jackel)     Issel Free, cadmium-free, CFC-free, silicone-free       uiter-diameter insulation     1.55 %       tareadiation     2.5 %       tareadiation     1.55 %       tareadiation provider (shouth)     1.55 %       tareadiation provider (shouth)     1.55 %       tareadiation concurre insulation     1.25 mm       uiter diamater insulation     1.45 mm       tareadiation concurre insulation     1.55 %       tareadiation concurre insulation     2.5 % brore D       tareadiation c	Note on bending radius	
Installation   Cabbe       able idertification     010       able if Type     1       able if Type     1       able ider Type     1       able ider Type     1       able ider Type     1       able ider Type     URus       mount stranding     1       ire arrangement     brown, black, blue       able weigh     28,37 g/m       taterial jackel     PVC       hore hardness jackel     85 ± 5 Shore A       recodm from ingredients (jackel)     4,5 mm       olerance outer diameter (solekel)     5 %       tater diameter (solekel)     4,5 from       olerance outer diameter (solekel)     5 %       tater diameter (solekel)     5 %	Conformity	
able identification     010       able Type     1       able Type     1       able Tool     vellow       ype of Certificate     cURus       mount stranding     1       tranding     swires twisted       iris arrangement     brown, black, blue       able weigh     29,37 g/m       aaterial jacket     PVC       hore hardness jacket     85 5 5 Shore A       reedom from ingredients (jacket)     45 5 %       leaterial (icket)     4,5 mm       over diameter (sheath)     5 %       leaterial wire insulation     128 rm       uiter diameter insulation     128 rm       uiter diameter insulation     45 ± 5 Shore D       taterial wire insulation     45 ± 5 Shore D       taterial properties wire insulation     45 ± 5 Shore D       taterial areador (shead)     14       tarameter of aingle wires     0.16 mm       onductor corses wire insulation     128 rm       uiter diameter (weine)     0.25 mm²       taterial conductor wires     Stranded copper wire, bare       onductor consescore insulation<	Product standard	DIN EN 61076-2-104 (M8)
able identification     010       able Type     1       able Type     1       able Tool     vellow       ype of Certificate     cURus       mount stranding     1       tranding     swires twisted       iris arrangement     brown, black, blue       able weigh     29,37 g/m       aaterial jacket     PVC       hore hardness jacket     85 5 5 Shore A       reedom from ingredients (jacket)     45 5 %       leaterial (icket)     4,5 mm       over diameter (sheath)     5 %       leaterial wire insulation     128 rm       uiter diameter insulation     128 rm       uiter diameter insulation     45 ± 5 Shore D       taterial wire insulation     45 ± 5 Shore D       taterial properties wire insulation     45 ± 5 Shore D       taterial areador (shead)     14       tarameter of aingle wires     0.16 mm       onductor corses wire insulation     128 rm       uiter diameter (weine)     0.25 mm²       taterial conductor wires     Stranded copper wire, bare       onductor consescore insulation<	Installation   Cable	
able Type1acklet Coloryellowound stranding1tranding3 wires twistedire arrangementbrown, black, blueable weigth29,37 g/mtatorial jacktPVChore hardness jacket85 ± 5 Shore Areedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeutter-dimeter (jacket)4,5 mmolerance outer dimeter (sheath)± 5 %tatorial jacktPVCmount wires3olerance outer dimeter (sheath)± 5 %tatorial jacktPVCmount wires3olerance outer dimeter (sheath)± 5 %tatorial jackt9VCmount wires3olerance outer dimeter (sheath)± 5 %tatorial jackt wire insulation1,25 mmbuter diameter tolerance oore insulation± 5 %tatorial size wire insulation1,26 mmbuter diameter tolerance oore insulationi ead-free, cadmium-free, CFC-free, silicone-freemount strands (wire)14tatorial properies wire insulationlead-free, cadmium-free, CFC-free, silicone-freemount strands (wire)0,25 mm <sup>3</sup> tatorial docuber wire, bare0,01 mmonductor type (wire)51 mmonductor type (wire)		010
acket Color     yellow       Open of Certificate     CURus       mount stranding     1       tranding     3 wires twisted       bie weight     29,37 g/m       tatarial jacket     PVC       hore hardness jacket     85 ± 5 Shore A       tatarial jackat     PVC       hore hardness jacket     85 ± 5 Shore A       ceradom from ingredients (jackat)     4.5 mm       olarance outer diameter (akeath)     4.5 mm       olarance outer diameter (sheath)     5 %       tatarial wire insulation     PVC       mount wres     3       olarance outer diameter (sheath)     5 %       tatarial wire insulation     1.25 mm       tuter diameter tolearance core insulation     45 ± 5 Shore D       tatarial proparties wire insulation     good machinability       gradient freenoas wire insulation     125 mm       tatarial conparties wire insulation     14       isaneter of single wires     0.15 mm       onductor crossection (wire)     0.25 mm <sup>2</sup> tatarial conductor wire     Stranded copper wire, bare       onductor tyine (wire) <td< td=""><td></td><td></td></td<>		
ype of Certificate     cURus       mount stranding     1       tranding     3 wires twisted       tire arrangement     brown, black, blue       able weight     29,37 g/m       taterial gacket     PVC       hore hardness jacket     85 ± 5 Shore A       taread gacket     1 ± 5 %       taterial gacket     64 5 %       taterial wire insulation     PVC       taterial wire insulation     PVC       taterial wire insulation     PVC       taterial wire insulation     1.25 mm       taterial wire insulation     1.25 mm       taterial properties wire insulation     45 ± 5 Shore D       taterial properties wire insulation     45 ± 5 Shore D       taterial properties wire insulation     16 5 %       tarent of angle wires     0.15 mm       mount strands (wire)     14       tarent or angle wires     0.15 mm       onductor try wire     Strand class 5       torninal voltage AC max.     300 V       uurrent load capacity min. wire     45 5 A       torninal voltage (wire - wire)     2 kV @ 60 s		· · · · · · · · · · · · · · · · · · ·
mount stranding   1     tranding   3 wires twisted     ire arrangement   brown, black, blue     table weigth   29,37 g/m     tatarial jacket   PVC     hore hardness jacket   85 ± 5 Shore A     reedom from ingredients (jacket)   4.5 mm     olerance outer diameter (sheath)   ± 5 %     taterial vire insulation   PVC     mount wires   3     1.25 mm   muter diameter insulation     tuber diameter insulation   PVC     mount wires   3     staterial wire insulation   PVC     mount wires   3     fuer diameter insulation   PVC     mount wires   3     store diameter insulation   PVC     mount wires   3     store diameter insulation   1.25 mm     taterial properties wire insulation   good machinability     gradient freeness wire insulation   lead three, catmium-free, CFC-free, silicone-free     mount strands (wire)   14     taterial conductor wire   Stranded copper wire, bare     store date act conductor wire   Stranded copper wire, bare     <		-
tranding   3 wires twisted     irie arragement   brown, black, blue     able weigh   29,37 g/m     taterial jacket   PVC     hore hardness jacket   65 ± 5 Shore A     reedom from ingredients (jacket)   Least-free, cadmium-free, CFC-free, silicone-free     uuter-diameter (gacket)   4.5 mm     olerance outer diameter (sheath)   ± 5 %     taterial wire insulation   PVC     nourt wires   3     vuter diameter insulation   1.25 mm     hote hardness wire insulation   45 ± 5 Shore D     taterial wire insulation   45 ± 5 Shore D     taterial properties wire insulation   godd machinability     igredient freeness wire insulation   125 mm     onductor crossection (wire)   14     taterial properties wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     mount strands (wire)   14     taterial onductor wire   Strand class 5     onductor trype (wire)   Strand class 5     onductor wire   Strand class 5     ordinator wire   45 A     terret load capacity (standard)   to DIN VDE 0288-4     uirrent load capacity (st		
arragement     brown, black, blue       able weight     29.37 g/m       Isterial jacket     PVC       hore hardness jackot     85 ± 5 Shore A       reedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       buter-diameter (jacket)     4,5 mm       olerance outer diameter (shealth)     4 5 %       Isterial avire insulation     PVC       mount wires     3       Juer diameter insulation     1.25 mm       buter diameter insulation     1.25 mm       buter diameter tolerance core insulation     1.5 %       Isterial properties wire insulation     1.25 mm       buter diameter tolerance core insulation     4.5 %       brow hardness wire insulation     4.5 s %       isterial properties wire insulation     1.25 mm       outer diameter tolerance core insulation     1.5 %       isterial poperties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       mount strands (wire)     1.4       istared copper wire, bare     0.15 mm       onductor wires     Strand class 5       origitarial conductor wire     Stranded copper wire, bare		-
able weigh   29.37 g/m     Itaterial jacket   PVC     hore hardness jacket   85 ± 5 Shore A     readom from ingredients (jackt)   lead-free, cadmium-free, CFC-free, silicone-free     nuter diameter (jacket)   4,5 mm     olerance outer diameter (jacket)   4,5 mm     olerance outer diameter (shealth)   1 5 %     taterial wire insulation   PVC     mount wires   3     uiter diameter insulation   1,25 mm     buter diameter insulation   45 ± 5 Shore D     taterial wire insulation   45 ± 5 Shore D     taterial properties wire insulation   good machinability     gregredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     mount strands (wire)   14     taneter of single wires   0,15 mm     conductor free wire   Stranded copper wire, bare     conductor wire   Strande class 5     tominal voltage AC max.   300 V     turrent load capacity (strandard)   to DIN VDE C298-4     aurent load capacity (wire)   2 k/W @ 60 s     C withstand voltage (wire - wire)   2 k/W @ 60 s     techciar esistance line constant wire   79 D/km @ 2	5	
taterial jacket     PVC       biner hardness jacket     85 ± 5 Shore A       readom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       uitur-diameter (jacket)     4.5 mm       olerance outer diameter (sheath)     ± 5 %       taterial wire insulation     PVC       mount Wires     3       buter diameter insulation     1.25 mm       uter diameter tolerance core insulation     ± 5 %       hore hardness wire insulation     4.5 ts Shore D       tatarial properties wire insulation     god machinability       gredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       mount strands (wire)     0.15 mm       conductor crosssection (wire)     0.25 mm²       taterial conductor wire     Stranded copper wire, bare       conductor type (wire)     Stranded copper wire, bare       conductor type (wire)     to DIN VDE 0298-4       turrent load capacity (standard)     to DIN VDE 0298-4       turrent load capacity (wire + wire)     2 kV @ 60 s       ture theore the mount strand witage (wire - wire)     2 kV @ 60 s       ture theore themonet mutrin (minum)     -5 °C <t< td=""><td></td><td></td></t<>		
hore hardness jacket85 ± 5 Shore Areedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freebuter-diameter (jacket)4,5 mmolerance outer diameter (sleakt) $\pm$ 5 %taterial wire insulationPVCmount wires3buter diameter insulation1,25 mmutuer diameter insulation $\pm$ 5 %hore hardness wire insulation $\pm$ 5 %hore hardness wire insulation $\pm$ 5 %isoder memory wire insulation $\pm$ 5 %hore hardness wire insulationgood machinabilityigredient freeness wire insulationgood machinabilityigredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freemount strands (wire)14laterial orycle crossection (wire)0,25 mm²taterial orycle crossection (wire)0,25 mm²laterial orycle crossection (wire)Strande copper wire, bareionductor trype (wire)Strande copper wire, bareloonductor type (wire)Strande copper wire, bareloonductor type (wire)Strande copper wire, bareconductor wireStrande copper wire, bareloonductor type (wire)Strande copper wire, bareconductor wireStrande copper wire, bareloonductor type (wire)Strande copper wire, bareconductor wireStrande copper wire, bareloonductor type (wire)Strande copper wire, bareconductor wireStrande copper wire, bareloonductor wireStrande copper wire, bareloonductor wireStran	-	
reedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free   uiter-diameter (jacket) 4,5 mm   olerance outer diameter (sheath) ± 5 %   taterial wire insulation PVC   mount wires 3   uiter diameter (sheath) ± 5 %   taterial wire insulation 1,25 mm   uiter diameter tolerance core insulation ± 5 %   taterial properties wire insulation 5 ± 5 Shore D   taterial properties wire insulation good machinability   tageral wires 0,15 mm   orductor tree, estimation 1.4   iameter of single wires 0,15 mm   onductor orsessection (wire) 0.25 mm²   taterial conductor wire Strand dosper wire, bare   conductor type (wire) Strand dosper wire, bare   conductor type (wire) Strand dosp 5   taterial conductor wire Strand dosp 5   tominal voltage AC max. 300 V   urrent toad capacity (standard) to DIN VDE 0298-4   urrent toad capacity (standard) to DIN VDE 0298-4<	-	
buter-diameter (jacket)   4.5 mm     olerance outer diameter (sheath)   ± 5 %     taterial wire insulation   PVC     mount wires   3     buter diameter insulation   1.25 mm     buter diameter lolerance core insulation   ± 5 %     hore hardness wire insulation   45 ± 5 Shore D     taterial argenties wire insulation   ged machinability     taterial properties wire insulation   ged machinability     taterial operaties wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     mount strands (wire)   14     liameter of single wires   0,15 mm     conductor orsessection (wire)   0,25 mm <sup>2</sup> taterial conductor wire   Stranded copper wire, bare     conductor type (wire)   Strand class 5     torinal voltage AC max.   300 V     turrent load capacity (standard)   to DIN VDE 0298-4     turrent load capacity (standard)   to DIN VDE 0298-4     turrent load capacity winks wire   79 Ω/km @ 20 °C     C Withstand voltage (wire - wire)   2 kV @ 60 s     voer requery, withstand voltage (wire - kase)   2 kV @ 60 s     voer requery, withstand voltage (wire - kase)   2 kV @ 60 s <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	· · · · · · · · · · · · · · · · · · ·	
olerance outre diameter (sheath)   ± 5 %     taterial wire insulation   PVC     mount wires   3     puter diameter insulation   1,25 mm     tuber diameter tolerance core insulation   45 %     hore hardness wire insulation   45 ± 5 Shore D     faterial properties wire insulation   good machinability     orgedient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     mount strands (wire)   14     tiameter of single wires   0,15 mm     conductor crosssection (wire)   0,25 mm <sup>2</sup> taterial conductor wire   Stranded copper wire, bare     conductor wire   Strand class 5     conductor wire   Strand class 5     conductor uppe (wire)   2 kV @ 60 s     current load capacity (standard)   to DIN VDE 0298-4     current load capacity min. wire   4,5 A     leactrical eresistance line constant wire   79 Ω/km @ 0 °C     cow strand gae (wire - wire)   2 kV @ 60 s     tin: operating temperature (statici		
taterial wire insulation     PVC       mount wires     3       uter diameter insulation     1.25 mm       buter diameter tolerance core insulation     ± 5 %       hore hardness wire insulation     45 ± 5 Shore D       faterial properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       mount strands (wire)     14       iameter of single wires     0,15 mm       onductor crosssection (wire)     0,25 mm²       taterial conductor wire     Stranded copper wire, bare       conductor viresection (wire)     0,25 mm²       taterial conductor wire     Stranded copper wire, bare       conductor vire     Stranded copper wire, bare       conductor vire     Strande class 5       conductor vire     Strande class 5       conductor vire     4,5 A       urrent load capacity min. wire     4,5 A       ledtrical resistance line constant wire     79 Ω/km @ 20 °C       C withstand voltage (wire - wire)     2 kV @ 60 s       wire requency withstand voltage (wire - wire)     2 kV @ 60 s       fin. operating temperature (fixed)     80 °C       operating temperature (fixed)     80 °C	• •	· · · · · · · · · · · · · · · · · · ·
mount wires     3       puter diameter insulation     1,25 mm       tuter diameter tolerance core insulation     ± 5 %       hore hardness wire insulation     45 ± 5 Shore D       taterial properties wire insulation     good machinability       agreedient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       mount strands (wire)     14       iameter of single wires     0,15 mm       conductor wire     Stranded copper wire, bare       toriductor wire     Stranded copper wire, bare       torductor type (wire)     Strand class 5       torturent load capacity (standard)     to DIN VDE 0298-4       uurrent load capacity (standard)	· · · · · ·	
buter diameter insulation     1.25 mm       buter diameter tolerance core insulation     ± 5 %       hore hardness wire insulation     45 ± 5 Shore D       faterial properties wire insulation     god machinability       ogredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       mount strands (wire)     14       iameter of single wires     0,15 mm       conductor crosssection (wire)     0,25 mm²       faterial conductor wire     Stranded copper wire, bare       conductor type (wire)     Strand class 5       forminal voltage AC max.     300 V       turrent load capacity (standard)     to DIN VDE 0298-4       turrent load capacity (min. wire     4,5 A       electrical resistance line constant wire     79 Ω/km @ 20 °C       C wirtstand voltage (wire - wire)     2 kV @ 60 s       tim. operating temperature (static)     -30 °C       coperating temperature (static)     -30 °C       tabare sistance     Good, application-related testing       tabare resistance     Good, application-related testing       tabare sistance     Good, application-related testing       tabare resistance     Good, application-rela		
buter diameter tolerance core insulation $\pm 5 \%$ hore hardness wire insulation45 $\pm 5$ Shore Dfaterial properties wire insulationgood machinabilitytgredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freemount strands (wire)14iameter of single wires0.15 mmconductor crosssection (wire)0.25 mm²taterial conductor wireStranded copper wire, bareconductor type (wire)Strand class 5torinal voltage AC max.300 Vurrent load capacity (standard)to DIN VDE 0298-4current load capacity (wire- wire)2 kV @ 60 scurrent load capacity min. wire4,5 Alectrical resistance line constant wire79 $\Omega/km$ @ 20 °CC withstand voltage (wire - wire)2 kV @ 60 stin. operating temperature (static)-30 °Ctake. operating temperature (static)-30 °Ctake. operating temperature (inked)80 °Coperating temperature min. (dynamic)-5 °Cuperating tempe		
hore hardness wire insulation45 ± 5 Shore Dfaterial properties wire insulationgood machinabilityggredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freemount strands (wire)14liameter of single wires0.15 mmconductor crossection (wire)0.25 mm²laterial conductor wireStranded copper wire, bareconductor type (wire)Strand class 5conductor type (wire)Strand class 5conductor type (wire)Strand class 5conductor type (wire)to DIN VDE 0298-4current load capacity (standard)to DIN VDE 0298-4current load capacity (min. wire)2 kV @ 60 scwer frequency withstand voltage (wire - scket)2 kV @ 60 scwer frequency withstand voltage (wire - scket)2 kV @ 60 scharacting temperature (static)-30 °Clater eresistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090hereical resistanceGood, application-related testingiasoline resistanceGood, application-related testing		
Itaterial properties wire insulation   good machinability     agredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     mount strands (wire)   14     iameter of single wires   0,15 mm     ionductor crossection (wire)   0,25 mm²     Iaterial conductor wire   Stranded copper wire, bare     ionductor type (wire)   Strand class 5     Iominal voltage AC max.   300 V     urrent load capacity (standard)   to DIN VDE 0298-4     iurrent load capacity (standard)   to DIN VDE 0298-4     iurrent load capacity (wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - stand)   80 °C     taka. operating temperature (static)   -30 °C     tax. operating temperature (static)   5 °C     uperating temperature (mixed)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     Bil resistance   Good, application-related testing     Bil resistance   Good, application-related testing     Bil resistance   Good, application-related testing		
agredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     mount strands (wire)   14     iameter of single wires   0,15 mm     fonductor crosssection (wire)   0,25 mm²     taterial conductor wire   Stranded copper wire, bare     tonductor type (wire)   Strand class 5     tominal voltage AC max.   300 V     urrent load capacity (standard)   to DIN VDE 0298-4     urrent load capacity (standard)   to DIN VDE 0298-4     urrent load capacity (standard)   to DIN VDE 0298-4     urrent load capacity min. wire   4,5 A     tectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - class)   2 kV @ 60 s     tin. operating temperature (static)   -30 °C     tax. operating temperature (static)   -5 °C     operating temperature min. (dynamic)   -5 °C     operating temperature max. (dynamic)   80 °C     uere resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     aasolier resistance   Good, application-related testing		
Towout strands (wire)14Hameter of single wires0,15 mmconductor crosssection (wire)0,25 mm²taterial conductor wireStranded copper wire, bareStranded copper wire, bareStrand class 5conductor type (wire)Strand class 5taterial conductor type (wire)Strand class 5forminal voltage AC max.300 Vturrent load capacity (standard)to DIN VDE 0298-4turrent load capacity (standard)to DIN VDE 0298-4turrent load capacity (standard)to DIN vDE 0298-4turrent load capacity win. wire4,5 Alectrical resistance line constant wire79 Ω/km @ 20 °CC withstand voltage (wire - wire)2 kV @ 60 scover frequency withstand voltage (wire - 2 kV @ 60 s2 kV @ 60 stin. operating temperature (static)-30 °Ctax. operating temperature (fixed)80 °Copperating temperature max. (dynamic)-5 °Coperating temperature max. (dynamic)-5 °Cparating tersistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090themical resistanceGood, application-related testingaiasolin eresistanceGood, application-related testingbill resistanceGood, application-related testingbill resis		
iameter of single wires   0,15 mm     conductor crosssection (wire)   0,25 mm²     faterial conductor wire   Stranded copper wire, bare     conductor type (wire)   Strand class 5     forminal voltage AC max.   300 V     uurrent load capacity (standard)   to DIN VDE 0298-4     uurrent load capacity (standard)   to DIN VDE 0298-4     uurrent load capacity min. wire   4,5 A     lectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - ckel)   2 kV @ 60 s     lin. operating temperature (static)   -30 °C     fatar. operating temperature (fixed)   80 °C     opperating temperature min. (dynamic)   -5 °C     opperating temperature max. (dynamic)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hermical resistance   Good, application-related testing     iaasoline resistance   Good, application-related testing     bill resistance   Good, application-related testing     bill resistance   Good, application-related testing     bill resistance   Good, application-related testing   DIN EN 60811-404	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
onductor crossection (wire)   0.25 mm²     faterial conductor wire   Stranded copper wire, bare     fonductor type (wire)   Strand class 5     forminal voltage AC max.   300 V     furrent load capacity (standard)   to DIN VDE 0298-4     furrent load capacity (standard)   to DIN VDE 0298-4     furrent load capacity (standard)   to DIN VDE 0298-4     furrent load capacity min. wire   4,5 A     lectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     cower frequency withstand voltage (wire - ckelt)   2 kV @ 60 s     film. operating temperature (static)   -30 °C     faax. operating temperature (static)   -30 °C     opperating temperature min. (dynamic)   -5 °C     opperating temperature max. (dynamic)   -5 °C     uame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     aasoline resistance   Good, application-related testing     aasoline resistance   Good, application-related testing     oil resistance   Good, application-related testing     oil resistance   Good, application-related testing   DIN	Amount strands (wire)	
IntervisionStranded copper wire, bareStrand class 5Iominal voltage AC max.300 VBurrent load capacity (standard)to DIN VDE 0298-4Burrent load capacity min. wire4,5 AIectrical resistance line constant wire79 Ω/km @ 20 °CC withstand voltage (wire - wire)2 kV @ 60 sBoyerating temperature (static)-30 °Cfax. operating temperature (static)-30 °CIame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090hemical resistanceGood, application-related testingBasoline resistanceGood, application-related testingDiresistanceGood, application-related testingStandeeStrandeeStrandeeStrandeeStrandeeGood, application-related testingBasoline resistanceGood, application-related testingStrandeeStrandeeStrandeeStrandeeGood, application-related testingBasoline resistanceGood, application-related testingBasoline resistanceGood, application-related testingStrandeeStrandeeStrandeeStrandeeStrandeeGood, application-related testing   DIN EN 60811-404StrandeeStrandeeStrandeeStrandeeStrandeeStrandeeStrandeeStrandeeStrandeeC	Diameter of single wires	·
conductor type (wire)   Strand class 5     forminal voltage AC max.   300 V     courrent load capacity (standard)   to DIN VDE 0298-4     current load capacity min. wire   4,5 A     lectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - cket)   2 kV @ 60 s     fin. operating temperature (static)   -30 °C     fax. operating temperature (fixed)   80 °C     opperating temperature min. (dynamic)   -5 °C     opperating temperature max. (dynamic)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     asoline resistance   Good, application-related testing     bil resistance   Good, application-related testing     bil resistance   Good, application-related testing IDIN EN 60811-404     S x Outer diameter   5 x Outer diameter	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Join Individue AC max.   300 V     Jurrent load capacity (standard)   to DIN VDE 0298-4     Jurrent load capacity min. wire   4,5 A     Iectrical resistance line constant wire   79 Ω/km @ 20 °C     C. withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - cket)   2 kV @ 60 s     fin. operating temperature (static)   -30 °C     fax. operating temperature (fixed)   80 °C     operating temperature min. (dynamic)   -5 °C     operating temperature max. (dynamic)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     asoline resistance   Good, application-related testing     bil resistance   Good, application-related testing     outer diameter   5 × Outer diameter	Material conductor wire	Stranded copper wire, bare
Aurrent load capacity (standard)   to DIN VDE 0298-4     Aurrent load capacity min. wire   4,5 A     Iectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - cket)   2 kV @ 60 s     in. operating temperature (static)   -30 °C     fax. operating temperature (fixed)   80 °C     Opperating temperature min. (dynamic)   -5 °C     opperating temperature max. (dynamic)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     acoline resistance   Good, application-related testing     bil resistance   Good, application-related testing     cauding radius (fixed)   5 x Outer diameter	Conductor type (wire)	Strand class 5
turrent load capacity min. wire   4,5 A     lectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     lower frequency withstand voltage (wire - cket)   2 kV @ 60 s     lin. operating temperature (static)   -30 °C     fax. operating temperature (fixed)   80 °C     opperating temperature min. (dynamic)   -5 °C     opperating temperature max. (dynamic)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     ool, application-related testing   60 od, application-related testing     fil resistance   Good, application-related testing     wasoline resistance   Good, application-related testing     fil resistance   Good, application-related testing   DIN EN 60811-404     fil resistance   S x Outer diameter	Nominal voltage AC max.	300 V
Ilectrical resistance line constant wire   79 Ω/km @ 20 °C     C withstand voltage (wire - wire)   2 kV @ 60 s     ower frequency withstand voltage (wire - acket)   2 kV @ 60 s     1in. operating temperature (static)   -30 °C     fax. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   80 °C     Iame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     bil resistance   Good, application-related testing     Sasoline resistance   Good, application-related testing     bil resistance   S × Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
C withstand voltage (wire - wire)   2 kV @ 60 s     power frequency withstand voltage (wire - acket)   2 kV @ 60 s     flin. operating temperature (static)   -30 °C     flax. operating temperature (fixed)   80 °C     opperating temperature min. (dynamic)   -5 °C     opperating temperature max. (dynamic)   80 °C     ult 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     Good, application-related testing   Good, application-related testing     bil resistance   Good, application-related testing   DIN EN 60811-404     bil resistance   S x Outer diameter	Current load capacity min. wire	4,5 A
ower frequency withstand voltage (wire - acket)2 kV @ 60 slin. operating temperature (static)-30 °Cflax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °Clame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090hemical resistanceGood, application-related testingbil resistanceGood, application-related testing   DIN EN 60811-404bil resistance5 x Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
acket) 2 kV @ 60 s   tin. operating temperature (static) -30 °C   fax. operating temperature (fixed) 80 °C   operating temperature min. (dynamic) -5 °C   operating temperature max. (dynamic) 80 °C   lame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090   hemical resistance Good, application-related testing   objeresting resistance Good, application-related testing   objeresting radius (fixed) 5 x Outer diameter	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   80 °C     Iame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     Sasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Site resistance   Good, application-related testing     Solow, application-related testing   5 x Outer diameter	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
operating temperature min. (dynamic)   -5 °C     operating temperature max. (dynamic)   80 °C     lame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     Good, application-related testing   Good, application-related testing     bil resistance   Good, application-related testing   DIN EN 60811-404     sending radius (fixed)   5 x Outer diameter	Min. operating temperature (static)	
Operating temperature max. (dynamic)   80 °C     Iame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     iasoline resistance   Good, application-related testing     ioli resistance   Good, application-related testing   DIN EN 60811-404     5 x Outer diameter   5 x Outer diameter	Max. operating temperature (fixed)	
Iame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     hemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     bil resistance   Good, application-related testing     bil resistance   Good, application-related testing     bil resistance   Good, application-related testing   DIN EN 60811-404     bil resistance   5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
hemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing   Dil resistance Good, application-related testing   DIN EN 60811-404   Jending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	80 °C
Good, application-related testing   bil resistance Good, application-related testing   DIN EN 60811-404   eending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
bil resistance Good, application-related testing   DIN EN 60811-404   bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
lending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
ending radius (rixed)	Oil resistance	Good, application-related testing   DIN EN 60811-404
ending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17

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