

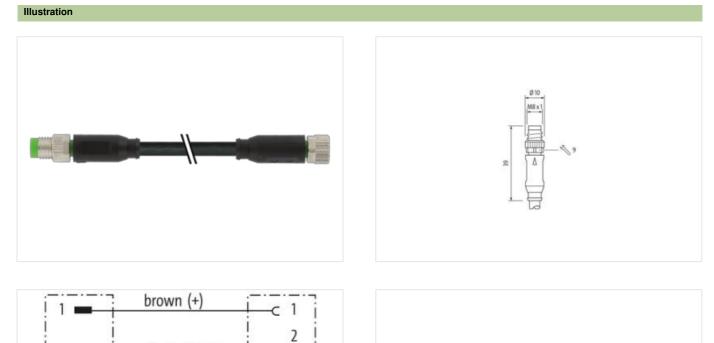
M8 male 0° / M8 female 0° A-cod.

PVC 3x0.25 bk UL/CSA 0.5m

Male straight – female straight M8 – M8, 3/4-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request 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

3



C 4

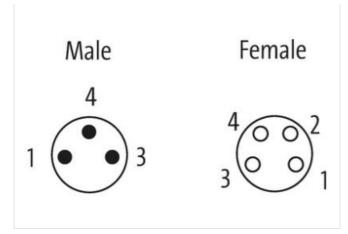
C 3

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: 2024-05-18

black (N/O)

blue (-)





Product may differ from Image



Cable length	0,5 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $Ø$ )	6,5 mm
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Material contact	Copper alloy
No. of poles	3
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	4048879400046
Packaging unit	1
Electrical data   Supply	

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Operating voltage AC (U-listed)         30 V           Operating voltage AC (U-listed)         30 V           Operating voltage AC (U-listed)         30 V           Demote DC (UL-listed)         30 V           Demote DC (UL-listed)         30 V           Demote DC (UL-listed)         30 V           Device protection IE Extrice         To           Device protection (Ext EC 6805-V)         IPES, IPS7, IPES, IPS7, IPES, IPS7, VA           Material organ Voltage AC (U-Listed)         IPE           Device protection (Ext EC 6805-V)         I           Material organ Voltage AC (U-Listed)         IPE           Material organ Voltage AC (U-Listed)         IPE           Material organ Voltage AC (U-Listed)         IPE           Device protection IE Extrice         IPE           Colling localing local		
Operating voltage AC (UL-4isted)         30 V           Operating voltage AC (UL-4isted)         30 V           Operating voltage AC (UL-4isted)         30 V           Dispractics         4 A           Dispractics         4 A           Device protection (Electrical         V           Device protection (Electrical         V           Device protection (Electrical         V           Device protection (Electrical         V           Marial group (EC 60664-1)         I           Machaniza (Constant Ration)         S           Valuating travel (EC 60664-1)         I           Mechanical data   Material data         V           Costing looking         Nickeled           Material gravel (EC 60664-1)         I           Mechanical data   Mounting data         FRM           Mounting method         Instreted, screwed, Shaking protection           Environmental characteristics   Olimaid         Zirc Cocasing           Operating impendute min.         25 °C           Operating method         Instreted, screwed, Shaking protection           Environmental characteristics   Olimaid         After Cocasing           Matorial on anota maperial on anota quality         Indexted, screwed, Shaking protection           Invironal installation notes	Operating voltage AC max.	50 V
Operating over contact max.         4 A           Description         E           Device protection [Electrical         Device protection (Electrical           Device protection protection degree         inserted, screwed           Parlating over contact max.         1 A           Device protection (Electrical         Device protection (Electrical           Device protection (Electrical         Device protection (Electrical           Device protection (Electrical         Status and vorge vorget           Additional condition protection degree         inserted, screwed           Paluation Degree         3           Material course vorget         1 S V           Material course vorget         Nokeled           Material course vorget         FMA           Material course vorget         PUR           Looking material         Zinc de-casting           Mechanical data [Mounting dats         Mounting moterial           Mounting method         inserted, screwed, Statuling protection           Environmental characteristics [Climatic         2 % C           Operating temperature max.         2 % C           Operating temperature max.         2 % C           Device in branding and us         Atertion: Characteristics quarkets the interprotecon class can be ending code wegth		
Current operating per contact max.         4 A           Dispractics         Interfactors           Status indication LED         no           Device protection   Electrical         IPS, IPS7, IPS8, IPS6K           Additional contificon protection digree         Inserted, acreaved           Patition Degrees         3           Rated surge voltagie         1.5 kV           Material grang (EE 666641)         I           Mechanical data [Material data         Contact data [Material data]           Contant generalized grange         Nickeled           Material quality         PUR           Contain generalized grange         PUR           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristical [Climation]         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional contifican temperature may.         85 °C           Additional contifican temperature may.         85 °C           Color dating         Contact the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on shain riseff         DIN EN 6		
DegressionStatus and Calcion LEDDevice protection [ENEC 60094Device protection protection ratioDevice protection protection ratioDevice protection protection ratioDevice protection [ENEC 60094Device protection protection ratioDevice protectio		
Statis indication LED         o           Device protoction [LECK0820]         IP67, IP68, IP66K           Additional condition protection degree         iserred, screwed           Pollution Degree         3           Additional condition protection degree         iserred, screwed           Material group (IEC 60664-1)         1           Material group (IEC 60664-1)         IC           Material group (IEC 60664-1)         FXM           Material group (IEC 60664-1)         FXM           Material group (IEC 60664-1)         IC           Material group (IEC 60664-1)         IC           Material group (IEC 60664-1)         FXM           Material group (IEC 60664-1)         IC           Material group (IEC 60664-1)         IC           Material protection INF         FXM           Material protection INF         INF           Material protection INF         INF           Material protection INF         INF           Material protection INF         INF           Operating temperature max.         85 °G           Operating temperature max.         85 °G           Note on strain rollel         Partlet the connectors by suitable measures from mechanical boats, e.g. by the usage of cable Es.           Material prolle the connectors by suita	Current operating per contact max.	4 A
Device protection   Electrical         UPERs, IPER,	Diagnostics	
Degree of protection (EN IEC 80529)IP85, IP67, IP68, IP68KAdditional condition protection degreeinserted, sorewedAdditional condition protection degree3Rated surge voltage1.5 KVMararial group (IEC 806841)1Mechanical dist [Metrial data]Mechanical dist [Metrial data]Material gasketFKMMaterial gasketPURLocking materialinserted, Snewed, Shaking protectionMechanical dist [Mounting data]Mechanical dist [Mounting data]Mechanical dist [Mounting data]Terrornontic characteristics [ClimaticDeparating temperature max.85 °CAdditional condition temperature max.85 °CAdditional condition temperature max.85 °CAdditional condition temperature max.85 °CNote on bonding radiusProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.Note on bonding radiusDin Evolution: Coserve the permissible bending radii when laying cables, as the IP protection class can be eradagered by excessive bending forces.CostornityInterfuent: Coserve the permissible bending radii when laying cables, as the IP protection class can be eradagered by excessive bending forces.CostornityInterfuent: Coserve the permissible bending radii when laying cables, as the IP protection class can be eradagered by excessive bending forces.CostornityInterfuent: Coserve the permissible bending radii when laying cables, as the IP protection class can be eradagered by excessive bending forces.CostornityInterfuent: Coserve the permissible be	Status indication LED	no
Additional condition protection degree         isented, screwed           Foldution Degree         3           Rande surge voltage         1,5 kV           Material group (IEC 60664 1)         1           Mechanical data [Material data         Nickvied           Canting Locking         Nickvied           Material graket         FKOM           Material pasket         Sinc dic casing           Mechanical data [Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics [Climatic Conserved, Shaking protection         Gorden target           Deparating temperature man.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable guality           Moterial fastilition notes         Attention: Observe the parmiseble bending radii when laying cables, as the IP protection class can be and angered by excessive bending faces.           Eotofontilitiation         610	Device protection   Electrical	
Pailulan Degree       3         Raid surge voltage       1.5 kV         Material group (EC 60664.1)       1         Machanical data   Material data	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage       1,5 kV         Marchal group (EC 60664.1)       I         Mechanical data       Material gasket         FKM       Material gasket         PUR       Cocking mathematical service of the servic	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)         I           Mechanical data [Material data         Ixolalad           Zoating locking         Nickladd           Material gasket         FKM           Valarial pasket         FKM           Material pasket         FKM           Material pasket         DUR           Jone discussion         Zino discussion           Machanical data [Mounting data         Zino discussion           Machanical data [Mounting data         Concertain           Material product stant         Sino 5           Synophical product stant         Sino 5           Contomity         Concertain           Product stand         DIN EN 61076-2:114 (M8)           Instaltation [ Cable         Conformity           Product stand         DIN EN 61076-2:114 (M8)           Instaltation [ Cable         Conformity           Product stand         DIN EN 61076-2:114 (M8)           Instaltation [ Cable         Conformity           Standing         3 wires twisted           Wrise twisted         URus	Pollution Degree	3
Mechanical data   Material data           Cacturg looking         Nickeled           Material gasket         FKM           Material gasket         FKM           Material gasket         PUR           Locking material         Zinc die-casiling           Mochanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         inserted, screwed, Shaking protection           Diperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         So °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Bio Note So So Context           Decide identification         610           Cable identification         Gui So So Context           Type of Certificate         cUPus           Marout stranding         Nice kubu	Rated surge voltage	1,5 kV
Coaling locking         Nickeled           Material gasket         FKM           Valaterial pasket         PUR           Cocking material         Zino die-casting           Material pasket         Juno die-casting           Material pasket         Inserted, screwed, Shaking protection           Environmental characteristics [ Climatic         -25° C           Operating temperature max.         85 °C           Operating temperature max.         65° C           Valation installation comperature range         depending on cable quality           Important Installation cometor         -25° C           Vale on strain reliof         Portext the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.           Note on strain reliof         Portext the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.           Contornity         Environmethod for Coserve the permissible bonding radii when laying cables, as the IP protection class can be earling for cose.           Color         DIN EN 61076-2-114 (M8)           Installation [ Cable         FIN           Earlie demitication         610           Cable Type 0         1           Jacket Color         black           Type 0 for fictate         CUFUs           Anount stranding <td< td=""><td>Material group (IEC 60664-1)</td><td></td></td<>	Material group (IEC 60664-1)	
Material gasket         FKM           Material nousing         PUR           Locking material         Zinc die-casting           Mechanical Idat   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         DIN EN 61076-2-114 (M8)           Installation   Cable         Conformity           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         610           Cable dontification         610           Cable dontification         610           Cable dontification         610           Cable dontification         610           Cable dontified         URus           Amount stranding         1           Stranding         3 wires twi	Mechanical data   Material data	
Material gasket         FKM           Material nousing         PUR           Locking material         Zinc die-casting           Mechanical Idat   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         DIN EN 61076-2-114 (M8)           Installation   Cable         Conformity           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         610           Cable dontification         610           Cable dontification         610           Cable dontification         610           Cable dontification         610           Cable dontified         URus           Amount stranding         1           Stranding         3 wires twi	Coating locking	Nickeled
Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature max.         85 °C           Additional condition temperature may         depending on cable quality           Important Installation notes         Important Installation notes           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be ending forces.           Color         DIN EN 61076-2-114 (M8)           Installation   Cable         610           Cable forpp         1           Jacket Color         black           Type of Cartificate         cURus           Anount strainding         1           Starding         3 wires twisted           Write straingement         brown, black, blue           Cable weigh         23,37 g/m <td>Material gasket</td> <td></td>	Material gasket	
Locking material         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Deparating temperature min.         25 °C           Operating temperature max.         65 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes         Attention: Observe the permissible bending radii when laying cables, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.           Conformity         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Caloid caloid Cable         DIN EN 61076-2-114 (M8)           Installation [Cable         Cable identification           Cable identification         610           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Cartificate         CURus           Arrown stranding         1           Stranding         3 wires twisted           Wrise twisted         85 ± 5 Shore A           Foredom from ingredients (jacket)         85 ± 5 Shore A		
Munuting method         inserted, sorewed, Shaking protection           Environmental characteristics   Climatic            Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Important Installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be emperature may.         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be emperature to be accessive bending forces.           Contornity         UN EN 61076-2-114 (M8)           Installation   Cable         Image: Cable departed by excessive bending forces.           Cable Intrication         610           Cable Intrication         610           Cable Intrication         610           Cable Intrication         Gurks           Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wires arrangement         brown, black, blue           Cable weigh         29.37 g/m           Material acket </td <td></td> <td>Zinc die-casting</td>		Zinc die-casting
Munuting method         inserted, sorewed, Shaking protection           Environmental characteristics   Climatic            Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Important Installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be emperature to the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Cable Intrope           Cable Intrope         1           Cacket Color         black           Type of Certificate         cURus           Armount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigh         29.37 g/m           Material jacket         PVC           Stroe hardness jacket         85 5	Mechanical data   Mounting data	
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on brinding 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           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Enterior: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Calle identification         610           Cable identification         610           Cable I Type         1           Jacket Color         black           Type of Certificate         c.URus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29.37 g/m           Material jacket         P VC           Shore hardness jacket         85 ± 5 Shore A           Freec		inserted, screwed, Shaking protection
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable leise.           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)           Installation   Cable         610           Cable identification         610           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arangement         brown, black, blue           Cable weigth         29.37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Colare weigt weightweight         5.%           Material wire insu	-	
Departing temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lifes.           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)         Installation   Gable           Zable identification         610         Cable radii (Cable)           Zable identification         610         Cable radii (Cable)           Zable identification         610         Cable           Zable identification         610         Cable           Stranding         1         Cable           Arrow of strain generation         block         Color           Stranding         3 wires twisted         Stranding           Additional isoket         PVC         Shore hardness jacket         S5 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm         Color         Stack           Duter-diameter (jacket)         4.5 mm         Color         Stack           Stack is a consult in sublation         PVC         Stack         Stack         Stack		
Additional condition temperature range         depending on cable quality           Important installation notes         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         Endetion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Endetion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Endetion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Endetion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Endetion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Endetion: Observe the permissible bending radii when laying cables.           Installation   Cable         Endetion: Observe the permissible bending radii when laying cables.           Cable defification         E10           Cable transfer         Color           State adding         3 wires twisted <td></td> <td></td>		
Important Installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           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)           Installation   Cable         Installation   Cable           Cable identification         610           Cable Type         1           Jacket Color         black           Cype of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1.25 mm           Duter diameter insulation         1.25 mm           Duter diameter tolerance core insulation         4.5 ± 5 Shore D		
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)           Installation   Cable         610           Cable identification         610           Stranding         1           Stranding         1           Stranding         9 wire strangement         brown, black, blue           Cable weigh         29.37 g/m           Material Jacket         PVC           Store A         5           Freedom from ingredients (jacket)<		
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)           Installation   Cable         Collogram           Cable identification         610           Cable of Color         black           Type of Certificate         cURus           Annount stranding         1           Stranding         3 wires twisted           Write arrangement         brown, black, blue           Cable weighth         29,37 g/m           Material jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         ± 5 %           Outer diameter insulation         9VC           Arrown wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         45 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D		Destant the second sector is the second sector is a first sector is the theorem of each sector.
Note of bending radius         endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         610           Cable identification         610           Standing         1           Stranding         3 wires twisted           Stranding         3 wires twisted           Stranding         9.3.7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Cable acce (rel insulation         PVC           Arount wires         3	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         610           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3         Outer diameter (sheath)           Uter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability		
Installation   CableCable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29.37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPVCAmount wires3Outer diameter (sheath)± 5 %Outer diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Cable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter (sheath)± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Cable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter (sheath)± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius Conformity	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket) $\pm 5 \%$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $45 \pm 5$ Shore DMaterial properties wire insulation $45 \pm 5$ Shore D	Note on bending radius Conformity Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulation45 ± 5 Shore D	Note on bending radius Conformity Product standard Installation   Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8)
Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       29,37 g/m         Material jacket       PVC         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter tolerance core insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. DIN EN 61076-2-114 (M8) 610
Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       29,37 g/m         Material jacket       PVC         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1
Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       29,37 g/m         Material jacket       PVC         Shore hardness jacket       85 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter tolerance core insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       5 %         Shore hardness wire insulation       5 %	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black
wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         90 dm achinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus
Cable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation± 5 %Shore hardness wire insulation± 5 %Outer diameter insulation1,25 mmOuter diameter insulation± 5 %Shore hardness wire insulation± 5 %Material properties wire insulationgood machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Duter diameter insulation       1,25 mm         Duter diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       45 ± 5 Shore D         Material properties wire insulation       good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC
Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A
Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Material wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC
Material properties wire insulation good machinability	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3
	Note on bending radius Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Material wire insulation Amount wires Outer diameter insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm
ngredient freeness wire insulation lead-free cadmium-free CEC-free silicone-free	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         ± 5 %
הקרטוסרו וויטרוסט אווים ווסטומנוטרו ובמע־ווכב, טמעווועווויווכב, טו ט־ווכב, אוועטווב־ווכב	Note on bending radius Conformity Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         DIN EN 61076-2-114 (M8)         610         1         black         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D

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Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	2° 08
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
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

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