

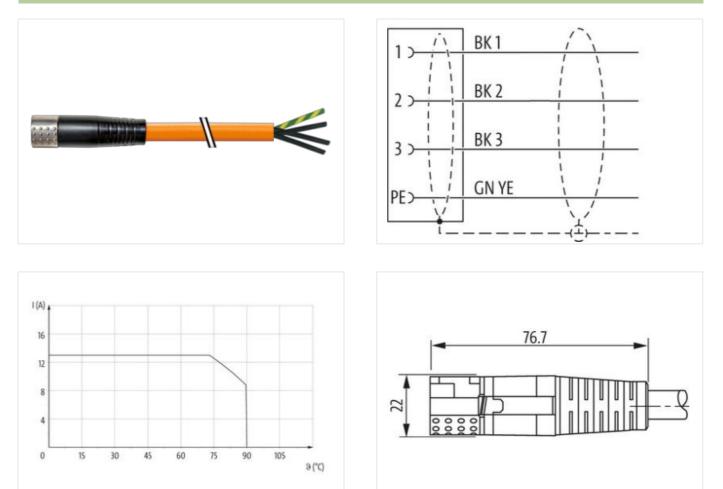
## MQ15 female 0° with cable shielded 600V AC type 3

PUR 4x1.5 or UL/CSA+drag ch. 30m

Female straight MQ15, 4-pole shielded without cable sleeves 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

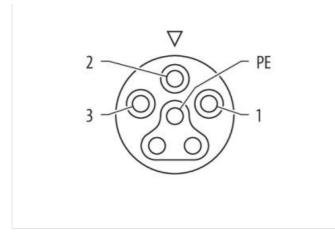
Illustration



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: 2024-05-11

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Product may differ from Image



| Cable length                       | 30 m              |  |
|------------------------------------|-------------------|--|
| Side 1                             |                   |  |
| Mounting method                    | inserted, screwed |  |
| Coating contact                    | silver-plated     |  |
| Family construction form           | MQ15              |  |
| Material contact                   | Copper alloy      |  |
| No. of poles                       | 4                 |  |
| Side 2                             |                   |  |
| Stripping length (jacket)          | 30 mm             |  |
| Commercial data                    |                   |  |
| ECLASS-6.0                         | 27279221          |  |
| ECLASS-6.1                         | 27279218          |  |
| ECLASS-7.0                         | 27279218          |  |
| ECLASS-8.0                         | 27279218          |  |
| ECLASS-9.0                         | 27060327          |  |
| ECLASS-10.1                        | 27060311          |  |
| ECLASS-11.1                        | 27060311          |  |
| ECLASS-12.0                        | 27060327          |  |
| ETIM-5.0                           | EC001576          |  |
| customs tariff number              | 85444290          |  |
| GTIN                               | 4048879709644     |  |
| Packaging unit                     | 1                 |  |
| Electrical data   Supply           |                   |  |
| Operating voltage AC max.          | 600 V             |  |
| Current operating per contact max. | 13 A              |  |
| Diagnostics                        |                   |  |
| Status indication LED              | no                |  |
| Installation   Connection          |                   |  |
| Stripping length (jacket)          | 30 mm             |  |
| Mating cycles min.                 | 500               |  |
| Installation   Pin assignment      |                   |  |

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| Additional protection degree     inserted, screwed       Palulan Degree     3       Rate surge volge     4 kV       Mechanical data [Material data]     I       Mechanical data [Material data]     Mechanical data [Material data]       Combustibility data for housing     Pastic       Material nousing     Pastic       Material nousing     Pastic       Constantity diversity data     Mechanical data [Mouting data]       Locking techniques     bayonet locking       Environmental characteristics [Climatic     Degreeding on cable quality       Depresing represature max.     80 °C       Depresing represature max.     80 °C       Depresing (comerge)     80 %       Scale identification     P12       Data identification     P12  | Configuration                                     | fully used   |  |
|--|---|--|--|
| Additional condition protection degree     inserted, screwed       Pointion Degree     3       Additional condition protection degree     is       Additional condition protection degree     PA       Mechanical data   Mounting data     is       Environmental characteristics   Climatic     Degree ding on cable quality       Deparating imperature min.     -25 ° C       Operating imperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     range       Data condition temperature range     depending on cable quality       Data characteristics   Climatic     Simatic       Data characteristics   Climatic     Simatic       Data characteristics   Climatic     Simatic       Data characteristics   Climatic     Simatic       Data characte  | Device protection   Electrical                    |  |  |
| Polution Degree     3       Rated surge voltage     4 kV       Material group (PCC 60664-1)     1       Machanical data   Material data        Combustibility class housing (UL94)     HB       Material roup (PCC 60664-1)     PA       Machanical data [ Mounting data        Looking techniques     bayonet-looking       Environmental characteristics [ Climatic        Deparating temperature min.     25 °C       Operating temperature max.     80 °C       Additonal condition tomperature max.     80 °C       Zable definition in Capsel        Deparating temperature max.     80 °C       Zable definition in Capsel     copper braiding, bare       Zable definition in generature max.     80 °C       Zable shielding (cype)     copper braiding, bare       Zable shielding (cype)     copper braiding, bare       Zable shielding (cype)     copper braiding, bare       Zable shielding (cypeany)     80 °C       Adversite and the shield structure is a structure i  | Degree of protection (EN IEC 60529)               | IP67   |  |
| Bated surge voltage     4 kV       Material group (IEC 80664-1)     1       Mechanical (dia) [Aberial data]     Combustibility (class housing (U-9)       Material contact carrier     PA       Mechanical (dia) [Monting data     Environmental characteristics (Climatic       Environmental characteristics (Climatic     Environmental characteristics (Climatic       Dyperating temperature max.     80 °C       Operating temperature max.     80 °C       Date influence     Comport on cable quality       Installation (Cable     Environmental characteristics (Climatic       Date influence     Comport braiding, bare       Cable influence     Comport braiding, bare       Cable influence     Comport braiding, bare       Cable influence (glock0)     80 %       Cable influence (glock0)     80 %       Cable influence (glock0)     8 mm       Tolerance outer diameter (sheath)     1 5 %       Valuer diameter (glock0)     8 m       Tolerance outer diameter (sheath)     1 5 %       Valuer diameter (sheath)     1 5 %       Valuer diameter (glock0)     8 m       Todecort crossesection (wire)     4 kV <td>Additional condition protection degree</td> <td>inserted, screwed</td>   | Additional condition protection degree            | inserted, screwed                                    |  |
| Material group (EC 60664-1)     I       Mechanical data [ Material data     Jondustibility class housing (UL-94)     H8       Material contant carrier     PA     Material contant carrier     PA       Mechanical data [ Mounting data     Jondustibility class housing (UL-94)     Material contant carrier     PA       Mechanical data [ Mounting data     Jondustibility class housing (UL-94)     Solvon=1-coking techniques       Solvonting techniques     Bayonet-tocking techniques     Solvon=1-coking techniques       Dyperating temperature max.     80 °C     Comparising temperature max.     80 °C       Validional condition temperature range     depending on cable quality     Comparising temperature max.     80 °C       Lable definition IC able     T     Comparising temperature max.     80 °C       Lable definition IC able     T     Comparising temperature max.     80 °C       Lable shielding (coverago)     80 °C     Comparising temperature max.     80 °C       Lable definition IC able     Comparising temperature (shared)     57.     Comparising temperature (shared)     80 °C       Lable definition IC able     Solve T     Solve T     Solve T     Comparising temperature (shared)  | Pollution Degree                                  | 3  |  |
| Mechanical data   Material data       Combusibility class housing (UL94)     HB       Material notising     Plastic       Mechanical data   Mounting data     PA       Mechanical data   Mounting data     bayonet-locking       Environmental characteristics   Climatic     25 °C       Operating temperature mix.     80 °C       Operating temperature max.     80 °C       Cable identification     P12       Data lead in (Coverage)     80 %       Scable identification     P12       Cable identification     P12       Cable identification     98 %       View arrangement     Biack 1, black 2, black 3, green-yellow       Cable identification     98 %       View arrangement     Biack 1, black 2, black 3, green-yellow       Cable weight     128,7 gm       Darduct (gracket)     8 mm       Conductor crosssection (wire)     1,5 %       View arrangement     108 %       View arrangement     1000 V       Conductor crosssection (wire)     4 %       Conductor crosssection (wire)     4 %       Conductor crosssection (wire)     4 % </td <td>Rated surge voltage</td> <td>4 kV</td>   | Rated surge voltage                               | 4 kV   |  |
| Combustibility class housing (UL94)HBMaterial contact carrierPlasticMechanical dital flowning dataMechanical dital flowning dataMechanical dital flowning dataEnvironmental characteristics   ClimaticEnvironmental characteristics   ClimaticSperaling temperature min25 °COperating temperature max.80 °CAdditional condition temperature may.80 °CAdditional condition temperature may.80 °CSaleki ColororangeCale shielding (coverage)80 °CCale weigh128.7 g/mCale weigh128.7 g/mCale weigh128.7 g/mCale weigh15 °S °SAffraue weight4 °CConductor ressescion (wire)4 °LConductor wireStranded copper wire, bareConductor wire15 °S °SCaned weight weightsch (wire) wire)4 °LConductor wire100 °CConductor wire100 °CCale shielding (wire) wire)4 °LConductor wire60 °CCale shielding (wire) wire)4 °LConductor wire60 °CCale shi   | Material group (IEC 60664-1)                      |  |  |
| Material housing     Plasic       Material contact carrier     PA       Mechanical data   Mounting data     Bayonet-locking       Coxing techniques     Bayonet-locking       Socking techniques     Bayonet-locking       Operating temperature min.     -25 °C       Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Instaliation   Cable   | Mechanical data   Material data                   |  |  |
| Valuerial contact carrier     PA       Mechanical data   Mounting data   | Combustibility class housing (UL94)               | НВ   |  |
| Mechanical data   Mounting data       .coking techniques     bayonet-locking       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable   | Material housing                                  | Plastic  |  |
| bayonet-locking     bayonet-locking       Environmental characteristics   Climatic     25 °C       Operating temperature min.     25 °C       Operating temperature max.     60 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     72       Cable identification     P12       Cable identification     P12       Cable is hielding (type)     copper braiding, bare       Cable shielding (type)     copper braiding, bare       Cable shielding (coverage)     80 %       wire arrangement     black 1, black 2, black 3, green-yellow       Cable weigth     128,7 g/m       Outer diameter (jacket1)     8 mm       Tolerance outer diameter (jacket1)     \$ 5 %       Material wire insulation     TPE       Mount wires     4       Conductor crosssection (wire)     1,5 mm²       Material conductor wire     Stranded copper wire, bare       Norminal voltage (wire - wire)     4 kV       Operating temperature (istalt)     40 °C       Addition outge (wire - wire)     4 kV       Operating temperature (istalt)     40 °C   | Material contact carrier                          | PA   |  |
| Environmental characteristics   Climatic       Operating temperature min.     -25 ° C       Operating temperature max.     80 ° C       Additional condition temperature range     depending on cable quality       Installation   Cable   | Mechanical data   Mounting data                   |  |  |
| Operating temperature min.     -25 °C       Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Installation   Cable       Zable identification     P12       Jacket Color     orange       Zable shelding (type)     copper braiding, bare       Zable shelding (coverage)     80 %       wire arrangement     black 1, black 2, black 3, green-yellow       Zable weigth     128,7 g/m       Outer-diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wrie insulation     TPE       Amount wries     4       Onductor crossection (wire)     1,5 mm²       Vaterial diameter (jacket)     4 kV       Orductor wire     Stranded copper wire, bare       Nominal voltage AC max.     1000 V       AQ withstand voltage (wire - wire)     4 kV       Operating temperature (statch)     40 °C       Operating temperature (statch)     40 °C       Operating temperature (statch)     40 °C       Diameter (statch)     40 °C       O   | Looking techniques                                | bayonet-locking                                      |  |
| Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Dable identification     P12       Jacket Color     orange       Cable shielding (type)     copper braiding, bare       Cable shielding (coverage)     80 %       wire arrangement     black 1, black 2, black 3, green-yellow       Cable weigth     128, 7 g/m       Outer diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Additional vire issultation     TPE       Amount wires     4       Conductor crossection (wire)     1,5 mm²       Variand voltage (wire - wire)     4 kV       Oregregenery withstand voltage (wire - acket)     4 kV       Oregregenery withstand voltage (wire - acket)     4 kV       Operating temperature (static)     40 °C       Operating temperature (static)     40 °C       Advaction voltage (wire - wire)     4 kV       Operating temperature (static)     40 °C       Variand voltage (wire - davel     50 °C       Operating temperature (static)   | Environmental characteristics   Climatic          |  |  |
| Operating temperature max.     80 °C       Additional condition temperature range     depending on cable quality       Installation   Cable     Cable identification       Dable identification     P12       Jacket Color     orange       Cable shielding (type)     copper braiding, bare       Cable shielding (coverage)     80 %       wire arrangement     black 1, black 2, black 3, green-yellow       Cable weigth     128, 7 g/m       Outer diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Additional vire issultation     TPE       Amount wires     4       Conductor crossection (wire)     1,5 mm²       Variand voltage (wire - wire)     4 kV       Oregregenery withstand voltage (wire - acket)     4 kV       Oregregenery withstand voltage (wire - acket)     4 kV       Operating temperature (static)     40 °C       Operating temperature (static)     40 °C       Advaction voltage (wire - wire)     4 kV       Operating temperature (static)     40 °C       Variand voltage (wire - davel     50 °C       Operating temperature (static)   |   | -25 °C   |  |
| Additional condition temperature range   depending on cable quality     Installation   Cable     Cable identification   P12     Jacket Color   orange     Cable shielding (type)   copper braiding, bare     Cable shielding (coverage)   80 %.     wire arrangement   black 1, black 2, black 3, green-yellow     Cable weigth   128,7 g/m     Duter-diameter (jacket)   8 mm     Tolerance outer diameter (sheath)   ± 5 %.     Material wire insulation   TPE     Amount wires   4     Conductor crosssection (wire)   1,5 mm <sup>a</sup> Nominal voltage (wire - wire)   4 kV     Over frequency withstand voltage (wire - wire)   4 kV     Operating temperature (static)   -40 °C     Pareting temperature (min. (dynamic)   60 °C     Cater resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Chemical resistance   Good, application-related testing     Casoline resistance   Good, application-re  |   |  |  |
| Installation   Cable       Cable identification     P12       Lacket Color     orange       Cable shielding (type)     copper braiding, bare       Cable shielding (coverage)     80 %       wire arrangement     black 1, black 2, black 3, green-yellow       Cable weigth     128,7 g/m       Cable meigth     128,7 g/m       Cable relight     8 mm       Folerance outer diameter (acket)     8 mm       Folerance outer diameter (acket)     8 mm       Adterial wire insulation     TPE       Amount wires     4       Conductor crosssection (wire)     1,5 mm <sup>2</sup> Adterial outlage (wire - wire)     4 kV       Conductor wire     Stranded copper wire, bare       Nominal voltage (wire - wire)     4 kV       Ower frequency withstand voltage (wire - wire)     4 kV       Adw. operating temperature (fixed)     80 °C       Opperating temperature max. (dynamic)     60 °C       Teame resistance     G   |   | depending on cable quality                           |  |
| Cable identification     P12       Jacket Color     orange       Cable shielding (type)     copper braiding, bare       Cable shielding (coverage)     80 %       Cable shielding (coverage)     80 %       Sable weigth     128.7 g/m       Cable weigth     128.7 g/m       Cuter diameter (jacket)     8 mm       Coler ance outer diameter (sheath)     ± 5 %       Vaterial wire insulation     TPE       Amount wires     4       Conductor cossesction (wire)     1.5 mm²       Vaterial conductor wire     Stranded copper wire, bare       Nominal voltage AC max.     1000 V       AC withstand voltage (wire - wire)     4 kV       Power frequency withstand voltage (wire - acket)     4 kV       Operating temperature (static)     -40 °C       Vax. operating temperature (static)     -40 °C       Vax. operating temperature (static)     -20 °C       Opperating temperature max. (dynamic)     60 °C  |   |  |  |
| Jacket ColororangeCable shielding (type)copper braiding, bareCable shielding (coverage)80 %Wire arrangementblack 1, black 2, black 3, green-yellowCable weigth128,7 g/mCuber-diameter (jacket)8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPEAmount wires4Conductor crossection (wire)1,5 mm²Material outge AC max.1000 VAC withstand voltage (wire - wire)4 kVPower fuguency withstand voltage (wire - acket)40 °CAgerating temperature (static)-40 °CVasc parating temperature (static)-40 °COperating temperature (static)-20 °COperating temperature (static)-20 °COperating temperature (static)-20 °COperating temperature (static)60 °CTare resistanceGood, application-related testingCasoline resistanceGood, application-related testingCalout resistanc   |   | P12  |  |
| Cable shielding (type)copper braiding, bareCable shielding (coverage)80 %wire arrangementblack 1, black 2, black 3, green-yellowCable weigth128,7 g/mDuter-diameter (jacket)8 mmTolerance outer diameter (sheath)± 5 %Vaterial wire insulationTPEAmount wires4Conductor crosssection (wire)1,5 mm²Adterial conductor wireStranded copper wire, bareVominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire - acket)40 °CValue reperating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-20 °COperating temperature (static)60 °CParating temperature (static)60 °CFlame resistanceGood, application-related testingCasolin resistanceGood, application-                                   | Jacket Color                                      |  |  |
| Cable shielding (coverage)   80 %     wire arrangement   black 1, black 2, black 3, green-yellow     Cable weigth   128,7 g/m     Duter-diameter (jacket)   8 mm     Folerance outer diameter (sheath)   ± 5 %     Material wire insulation   TPE     Amount wires   4     Conductor crosssection (wire)   1,5 mm²     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   1000 V     AC withstand voltage (wire - wire)   4 kV     >Ower frequency withstand voltage (wire - acket)   40 °C     Acket)   40 °C     Deparating temperature (inked)   80 °C     Deparating temperature (inked)   60 °C <td></td> <td></td>  |   |  |  |
| wire arrangementblack 1, black 2, black 3, green-yellowCable weigth128,7 g/mDuter-diameter (jacket)8 mmFolerance outer diameter (sheath)± 5 %Material wire insulationTPEAmount wires4Conductor crosssection (wire)1.5 mm²Material conductor wireStranded copper wire, bareNominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire -<br>acket)4 kVOperating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature min. (dynamic)60 °CFame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, app         |   |  |  |
| Cable weigth128,7 g/mDuter-diameter (jacket)8 mmFolerance outer diameter (sheath)± 5 %Material wire insulationTPEAmount wires4Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareNominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kV>ower frequency withstand voltage (wire -<br>acket)4 kVQuertating temperature (static)40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °CChemical resistanceGood, application-related testingCasoline resistanceGood, application-related testingDil resistanceGood, appli                                    |   | black 1, black 2, black 3, green-yellow              |  |
| Duter-diameter (jacket)8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationTPEAmount wires4Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareNominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire -<br>acket)4kVVin operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature min. (dynamic)-20 °CStantoeGood, application-related testingSasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testing IDIN EN 60811-404Bending radius (fixed)10 x Outer diameterTravel speed (C-track)5 Mio.  | Cable weigth                                      |  |  |
| Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   TPE     Amount wires   4     Conductor crosssection (wire)   1,5 mm²     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   1000 V     AC withstand voltage (wire - wire)   4 kV     Power frequency withstand voltage (wire - acket)   4 kV     Power frequency withstand voltage (wire - acket)   4 kV     Power frequency withstand voltage (wire - acket)   4 kV     Qover frequency withstand voltage (wire - acket)   60 °C     Deperating temperature (fixed)   80 °C     Deperating temperature (min. (dynamic)   -20 °C     Deperating temperature max. (dynamic)   60 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance  | Outer-diameter (jacket)                           | 8 mm   |  |
| Amount wires4Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareNominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire -<br>acket)4 kVPower frequency withstand voltage (wire -<br>acket)40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceSo od, application-related testingBen | Tolerance outer diameter (sheath)                 | ±5%  |  |
| Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareNominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire -<br>acket)4 kVPower frequency withstand voltage (wire -<br>acket)24 °CMax. operating temperature (fixed)80 °CDerating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio.  | Material wire insulation                          | TPE  |  |
| Material conductor wireStranded copper wire, bareNominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire -<br>acket)4 kVVin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingClasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistance10 × Outer diameterBending radius (fixed)10 × Outer diameterSending radius (dynamic)10 × Outer diameterTravel speed (C-track)5 Mio.   | Amount wires                                      | 4  |  |
| Nominal voltage AC max.1000 VAC withstand voltage (wire - wire)4 kVPower frequency withstand voltage (wire -<br>acket)4 kVVin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingCil resistanceGood, application-related testingDil resistanceSold, application-related testingDir related testing related testing   DIN EN 60811-404Bending radius (fixed)10 x Outer diameterBending radius (dynamic)5 Mio.                                       | Conductor crosssection (wire)                     | 1,5 mm <sup>2</sup>                                  |  |
| AC withstand voltage (wire - wire)   4 kV     Power frequency withstand voltage (wire - acket)   4 kV     Win. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -20 °C     Operating temperature max. (dynamic)   60 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio.   | Material conductor wire                           | Stranded copper wire, bare                           |  |
| Power frequency withstand voltage (wire -<br>acket)4 kVMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceSo Outer diameterBending radius (fixed)10 x Outer diameterTravel speed (C-track)5 Mio.   | Nominal voltage AC max.                           | 1000 V   |  |
| acket)4 kVMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceI0 x Outer diameterBending radius (fixed)10 x Outer diameterTravel speed (C-track)5 Mio.  | AC withstand voltage (wire - wire)                | 4 kV   |  |
| Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-20 °COperating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil s Outer diameter10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio.   | Power frequency withstand voltage (wire - jacket) | 4 kV   |  |
| Operating temperature min. (dynamic)   -20 °C     Operating temperature max. (dynamic)   60 °C     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     Chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio.  | Min. operating temperature (static)               | -40 °C   |  |
| Operating temperature max. (dynamic)60 °CFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)10 × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)5 Mio.   | Max. operating temperature (fixed)                | 80 °C  |  |
| Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio.  | Operating temperature min. (dynamic)              | -20 °C   |  |
| Chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Dil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio.  | Operating temperature max. (dynamic)              | 60 °C  |  |
| Gasoline resistance   Good, application-related testing     Dil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio.  | Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |  |
| Dil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio.  | chemical resistance                               | Good, application-related testing                    |  |
| Bending radius (fixed) 10 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   Travel speed (C-track) 5 Mio.  | Gasoline resistance                               | Good, application-related testing                    |  |
| Bending radius (dynamic) 10 x Outer diameter   Travel speed (C-track) 5 Mio.   | Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |  |
| Travel speed (C-track) 5 Mio.  | Bending radius (fixed)                            | 10 x Outer diameter                                  |  |
|  | Bending radius (dynamic)                          | 10 x Outer diameter                                  |  |
| Forsion stress ± 15 °/m  | Travel speed (C-track)                            | 5 Mio.   |  |
|  | Torsion stress                                    | ± 15 °/m   |  |

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: 2024-05-11

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