

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 2.2m

DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

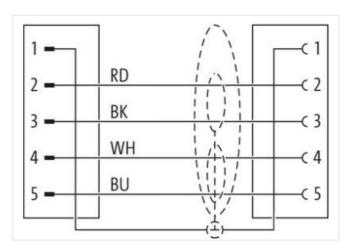
Plastic housings with good resistance against chemicals and oils.

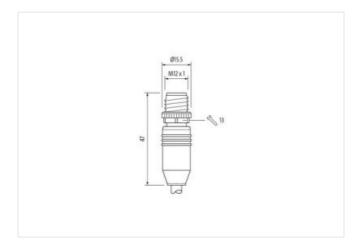
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

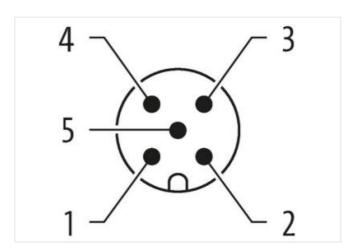
## **Link to Product**

## Illustration



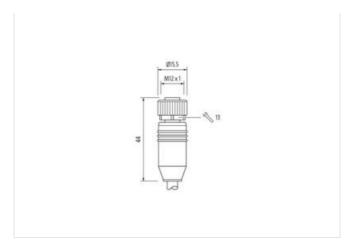


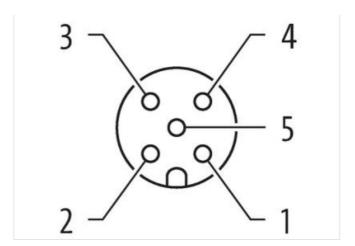






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Product may differ from Image













DeviceNet

| CUNODEU |
|---------|
|         |

| Cable length                        | 2,2 m             |
|-------------------------------------|-------------------|
| Side 1                              |                   |
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Cable outlet                        | straight          |
| Coding                              | A                 |
| Material                            | PUR               |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2                              |                   |
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Cable outlet                        | straight          |
| Coding                              | A                 |
| Material                            | PUR               |
| Width across flats                  | SW13              |
| Commercial data                     |                   |
| ECLASS-6.0                          | 27061801          |
| ECLASS-6.1                          | 27060307          |
| ECLASS-7.0                          | 27060307          |
| ECLASS-8.0                          | 27060307          |
| ECLASS-9.0                          | 27060307          |
| ECLASS-10.1                         | 27060307          |
| ECLASS-11.1                         | 27060307          |



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| Emilia  | ECLASS-12.0                              | 27060307   |
|---|--|--|
| Coations tariff number         85444290           GTIN         405959075562           Prockaging unth         1           Electrical date   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         00 V           Operating voltage AC (UL-Histol)         30 V           Operating voltage AC (UL-Histol)         30 V           Current operating par contact max.         4 A           Mounting set         M12 x 1           Perice protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raded surge voltage         1,5 kV           Machinari of corrugated frose         without           Machinari data Marie of corrugated frose         without           Machinari data Marie of data         FKM           Coaling of billing         mice plated           Marierial screw commercion         Zinc dis-casting           Machinarial data   Mounting data         receive-casting           Mounting method         receive-casting           Environmental characteristics   Climate           Operating temperature max.         25 °C           Operating temperature max  |  |  |
| GTIN 405909075962 Packaging unt 1 Packaging unt 1 Packaging unt 6 Packaging unt 7 Packaging unt 7 Packaging untage AC max. 60 V Peranting voltage AC (UL-listed) 30 V Peranting service for packaging activation (Packaging Voltage AC (UL-listed) 30 V Peranting voltage AC (UL-list |  |  |
| Peaceting until         1           Electrical data (Supply)         60 Y           Operating voltage AC max.         60 Y           Operating voltage AC (IU. Island)         30 Y           Operating voltage AC (IU. Island)         30 Y           Current operating per contact max.         4 A           Installation I Connection         M12 x 1           Device processing per contact max.         M12 x 1           Device processing per contact max.         M2 A           Additional condition of Connection         M12 x 1           Mounting set         Inserted, sorewed           Pollution Dogrop         3           Rated surge voltage         1,5 XV           Machanical data         Inserted, sorewed           Control or consigned hose         without           Mechanical data (Material data         Inserted, sorewed, Shaking protection           Mechanical data (Material data)         Zinc diseasing           Mecha   |  |  |
| Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage DC (ILL-listed)         30 V           Operating voltage DC (ILL-listed)         30 V           Operating voltage DC (ILL-listed)         30 V           Installation   Connection         MIX x I           Mounting set         MIX x I           Device proceding   Electrical         Device proceding   Electrical           Additional condition protection degree         1,5 kV           Additional condition protection degree         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Vision Degree           Contains for firing         nickeled           Contains for firing         nickeled           Coating bodying         Nickeled           Coating forting  |  |  |
| Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC Max.         30 V           Operating voltage DC (UL-lised)         30 V           Ourrent operating per contact max.         4 A           Installation (Connection)         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Follution Degree         3           Ratid sup voltage         1,5 XV           Macerial growth (EC 60684-1)         1           Macerial growth (EC 60684-1)         1           Mechanical data         Vincer occurrent of corrugated hose without           Macerial growth (EC 60684-1)         1           Mechanical data   Musterial gasket         FKM           Coating of lifting mixer of lifting mixer of state of lifting mixer of state of lifting mixer of lifting lift  |  |  |
| Operating voltage PC (UL-listed)         50 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Period protection   Electrical         Additional condition protection degree         3           Ratio augus voltage         1.5 kV           Mactinal group (IEC 60664-1)         I           Mechanical data         Without           Mechanical data   Material data         Without           Contain   booking         Nickeled           Coating looking         Nickeled           Coating looking         Nickeled           Coating proteinal         Zinc de-casting           Material gasket         FMM           Locking material         Zinc de-casting           Material screw connection         Zinc de-casting           Material pumperature min.         25 °C           Operating tomporature min.         25 °C           Operating tomporature min.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connections by suitable measures from mechanical loads   |  | 2014   |
| Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Institution   Connection         Muniting set           Mounting set         M12 x 1           Device protection   Electrical         Section   Connection           Additional condition protection degree         inserted. screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data         Web Control of corrugated hose           Mechanical data         without           Mechanical data Material data         Web Control of fitting           Material group (EC 60664.1)         Nickeled           Ceating Dosking         Nickeled           Ceating Dosking         Nickeled           Ceating Dosking         Nickeled           Ceating Dosking         Nickeled           Cotting of fitting         nickeled plated           Material screw connection         Zim die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic  |  |  |
| Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         MT2 x 1           Powice protection   Electrical         Additional condition protection degree inserted, screwed           Pollution Degree         3           Rated surge voltage         1.5 kV           Material group (EC 60664+1)         1           Mechanical data         Control for corrugated hose without           Mechanical data   Material data         Michael Group (EC 60664+1)           Coating obeding         Nickeled           Coating obeding         nickel plated           Material gaskert         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Conditional condition temperature range depending on cable quality           Important installation notes         Si *C           Operating temperature max         Si *C           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by th  |  |  |
| Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree   inserted, screwed   inserted, screwed, screwe  |  |  |
| Installation   Connection         Multip x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meerial group (IEC 6664-1)         1           Mechanical data         Without           Mechanical data   Material data         Without           Contour for corruptated nose         without           Mechanical data   Material data         Material group of titing           Mechanical data   Material data         FKM           Coding notified         PKM           Locking material         Zinc die-casting           Mechanical screw connection         Zinc die-casting           Mechanical data   Material gasket         FKM           Locking material         Zinc die-casting           Mechanical data   Material screw connection         Zinc die-casting           Mechanical data   Material screw connection         Zinc die-casting           Mechanical data   Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Material data         Zinc die-casting           Material screw connection         Zinc die-casting  |  |  |
| Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Daggee         3           Rated surge voltage         1,5 kV           Material group (ICE 60684-1)         I           Controur for corrugated hose         without           Mechanical data   Material data         Misceled           Coating looking         Nickeled           Coating politing         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material grow connection         Zinc die-casting           Mechanical data   Mounting data         Misceled casting           Mechanical data   Mounting data         Since of casting           Mechanical data   Mounting data         Misceled casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Climatic           Environmental characteristics   Climatic         Coperating temperature mina.         25 °C           Operating temperature mina.         25 °C         Coperating temperature mina.         25 °C           Additional condition temperature range         depending on cable quality         Protect the conne   |  | 4 A  |
| Device protection   Electrical   Inserted, screwed  | Installation   Connection                |  |
| Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Control for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial Emperature max           Meterial Emperature min.           Coperating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         Beroaling on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be entirely by excessive bending forces.           Conformity           Product standard  | Mounting set                             | M12 x 1  |
| Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (E 60664-1)         1           Mechanical data         Image: Control for corrugated hose without           Mechanical data (Material data)         Image: Coating locking incide plated           Coating locking incide plated in plate in p  | Device protection   Electrical           |  |
| Rate of surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         without           Mechanical data   Material dats         Without           Coating of litting         Nickeled           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serew connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Without not describe and the properties of the propert  | Additional condition protection degree   | inserted, screwed  |
| Material group (IEC 60664-1)         I           Mechanical data         Without           Contour for corrugated hose         without           Mechanical data   Material data         Wickeled           Coating folding         Nickeled           Coating folding         Nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -2.5 ° C           Operating temperature min.         -2.5 ° 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 brain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation Cable         Wire arrangement         (white, blue), (black, red)           Cable defuritification         803   | Pollution Degree                         | 3  |
| Mechanical data         without           Mechanical data   Material data         Mechanical data   Material data           Coating locking         Nickeled           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc dis-casting           Metarial screw connection         Zinc dis-casting           Metarial screw connection         Zinc dis-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating 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         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type o   | Rated surge voltage                      | 1,5 kV   |
| Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of litting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Poperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on stain 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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate CURsus  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) 2 copper braid, finned  Cable shielding (type) 604  Foil   | Material group (IEC 60664-1)             | I  |
| Mechanical data   Material data           Coating locking         Nickeled           Coating lor fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         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 61076-2-101 (M12)           Installation   Cable         wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joins twisted           Cable shi   | Mechanical data                          |  |
| Coating locking Nickeled Coating of fitting nickel plated Material gasket FKM Material gasket FKM Material gasket Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red) Cable identification 803 Jacket Cofor violet  Type of Certificate cURus  Amount stranding (type 2) 1  Stranding (type 2) 2  Stranding (type 2) 2  Stranding (type 2) 3  END Cable identification Coverage) 65 %  Banding Foli   | Contour for corrugated hose              | without  |
| Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         35 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         CURUs           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         Copper braid, tinned  | Mechanical data   Material data          |  |
| Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, 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         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 61076-2-101 (M12)           Installation   Cable         Using the conformation of the connectors of the connector of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Writer arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         URUS           Amount stranding (  | Coating locking                          | Nickeled   |
| Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate CURus  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) 65 %  Banding Foil   | Coating of fitting                       | nickel plated  |
| Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Vote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Atention: 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 61076-2-101 (M12)           Installation   Cable         Write arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         CURus           Amount stranding         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil <td></td> <td>FKM</td>  |  | FKM  |
| Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 55 %   | Locking material                         | Zinc die-casting   |
| Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 2 Stranded joints twisted  Cable shielding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil   | Material screw connection                | Zinc die-casting   |
| Environmental characteristics   Climatic  Operating temperature min. Operating temperature max. As5 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red) Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 2 Stranded joints twisted  Cable shielding (type 2) 2 Stranded joints twisted  Cable shielding (type) 65 %  Banding Foil  | Mechanical data   Mounting data          |  |
| Operating temperature min.  -25 °C Operating temperature max.  85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  | Mounting method                          | inserted, screwed, Shaking protection  |
| Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (coverage) 65 %  Banding Foil  | Environmental characteristics   Climatic |  |
| Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (coverage) 65 %  Banding Foil  | Operating temperature min.               | -25 °C   |
| Additional condition temperature range depending on cable quality    Important installation notes   |  | 85 °C  |
| Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil   |  | depending on cable quality   |
| Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  |  |  |
| 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 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil   |  | Protect the connectors by quitable measures from mechanical leads, a.g. by the usage of cable ties     |
| Conformity Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red) Cable identification 803 Jacket Color violet Type of Certificate cURus Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil   |  | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
| Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil   |  | endangered by excessive bending forces.  |
| wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  | Conformity                               |  |
| wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  | Product standard                         | DIN EN 61076-2-101 (M12)   |
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| Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  | wire arrangement                         | (white, blue), (black, red)  |
| Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil   | Cable identification                     | 803  |
| Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil  | Jacket Color                             | violet   |
| Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil  | Type of Certificate                      | cURus  |
| Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil   | Amount stranding                         | 1  |
| Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil   | Stranding                                | 2 wires twisted  |
| Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil  | Amount stranding (type 2)                | 1  |
| Cable shielding (coverage) 65 % Banding Foil  |  | · · · · · · · · · · · · · · · · · · ·  |
| Banding Foil  |  |  |
|   | Cable shielding (coverage)               |  |
| Drain wire (cross-section) 22 AWG   |  |  |
|   | Drain wire (cross-section)               | 22 AWG   |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23



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| wire erroneement   | (ubita blue) (black rad)                                       |
|--|--|
| wire arrangement   | (white, blue), (black, red)                                    |
| Cable weigth   | 63,12 g/m  |
| Material jacket  | PUR  |
| Shore hardness jacket  | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)  | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)  | 6,9 mm   |
| Tolerance outer diameter (sheath)  | ± 5 %  |
| Material wire insulation   | PE   |
| Amount wires   | 2  |
| Outer diameter insulation  | 2,1 mm   |
| Outer diameter tolerance core insulation                                 | ±5%  |
| Shore hardness wire insulation   | 64 ± 5 Shore D   |
| Ingredient freeness wire insulation                                      | lead-free, CFC-free, halogen-free                              |
| Amount strands (wire)  | 19   |
| Diameter of single wires   | 24 AWG   |
| Conductor crosssection (wire)  | 24 AWG   |
| Drain wire (cross-section)   | 22 AWG   |
| Material conductor wire  | copper stranded wire, tinned                                   |
| Electrical function wire   | Data   |
| Material wire insulation (Data)  | PE   |
| Outer diameter wire insulation (Data)                                    | 1,5 mm   |
| Tolerance outer diameter wire insulation (data)                          | ± 53 %   |
| Ingredient freeness wire insulation (Data)                               | lead-free, CFC-free, halogen-free                              |
| Amount wires (Data)  | 2  |
| Amount strands wire (Data)   | 19   |
| Diameter of single wires (Data)  | 22 AWG   |
| Conductor crosssection wire (Data)                                       | 22 AWG   |
| Material conductor wire (Data)   | copper stranded wire, tinned                                   |
| Electrical function wire (data)  | Power  |
| Nominal voltage AC max.  | 300 V  |
| Current load capacity (standard)   | to DIN VDE 0298-4  |
| Current load capacity min. wire  | 4,5 A  |
| Current load capacity min. Wire (Data)                                   | 6 A  |
| Electrical function wire   | Data   |
| Electrical function wire (data)  | Power  |
| Characteristic impedance   | 120 Ω ± 10 % @ 1 MHz   |
| Electrical resistance line constant wire                                 | 78 Ω/km  |
| Electrical resistance coating wire (Data)                                | 54 Ω/km  |
| AC withstand voltage (wire - wire)                                       | 2 kV @ 60 s  |
| Electric capacitance   | 40000 pF/km  |
| AC withstand voltage (wire - shield)                                     | 2 kV @ 60 s  |
| Min. operating temperature (static)                                      | -40 °C   |
|  | 80 °C  |
| Max. operating temperature (fixed)  Operating temperature min. (dynamic) | -30 °C   |
| Operating temperature max. (dynamic)                                     | 70 °C  |
| 1 0 1 (7 7   |  |
| Flame resistance   | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| chemical resistance  | Good, application-related testing                              |
| Gasoline resistance  | Good, application-related testing                              |
| Oil resistance   | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (installation)  | x Outer diameter   |
| Bending radius (fixed)   | 6 x Outer diameter   |
| Bending radius (dynamic)   | 10 x Outer diameter  |
| No. of bending cycles (C-track)  | 1 Mio.   |
| Traversing distance (C-track)  | 5 m  |



| Travel speed (C-track) | 3 m/s         |
|------------------------|---------------|
| No. of torsion cycles  | 2 Mio.        |
| Torsion stress         | ± 30 °/m      |
| Torsion speed          | 35 cycles/min |