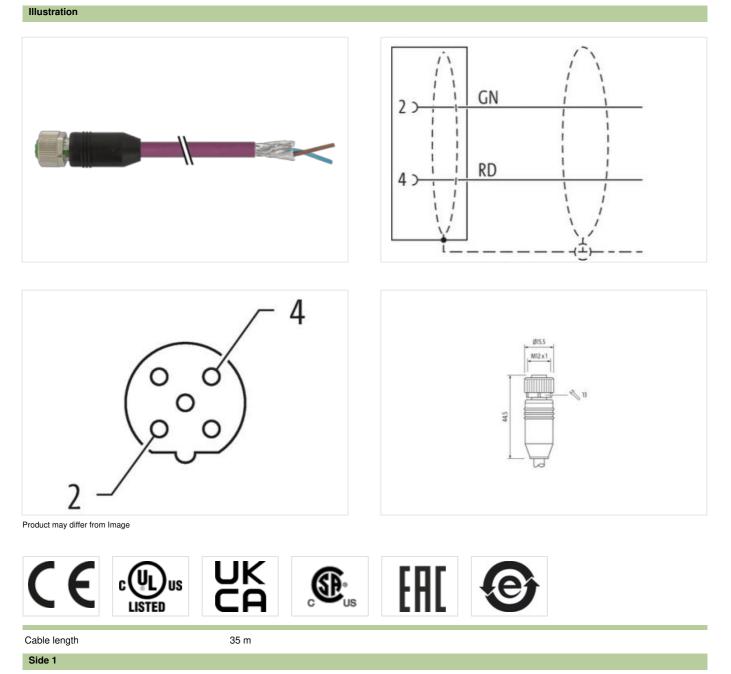


## M12 female 0° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 35m

PROFIBUS Female straight M12, 2-pole B-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



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: 2024-05-04

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Tightening torque                        | 0,6 Nm                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Thread     M12 x 1       Coding     B       Mattal     PUR       With accoss fats     SW13       Degree of protection (FN IEC 50529)     IP65, IP66K, IP67       Side 2     Stripping length (jackeft)     20 mm       Commercial for SINE 50529)     IP65, IP66K, IP67     Stripping length (jackeft)     20 mm       Commercial for Sine 500007     ECLASS 5.0     27050007     ECLASS 5.0     27050007       ECLASS 5.0     27050007     ECLASS 5.0     27050007     ECLASS 5.0     27050007       ECLASS 5.0     27050007     ECLASS 5.0     27050007     ECLASS 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mounting method                          | inserted, screwed                                                                                   |
| CadingBMatarialPURWatarialSW13Dagree of protection (EN EC 9529)PES, IP664, IP57Side 2SW13Stoppel length (acket)20 mConnecid data27061801ECLASS 6.127061807ECLASS 7.027060307ECLASS 8.127060307ECLASS 8.127060307ECLASS 8.127060307ECLASS 8.127060307ECLASS 8.127060307ECLASS 8.127060307ECLASS 8.1.127060307ECLASS 8.1.227060307ECLASS 8.1.327060307ECLASS 8.1.327060307ECLASS 8.1.427060307ECLASS 8.1.227060307ECLASS 8.1.327060307ECLASS 8.1.427060307ECLASS 8.1.227060307ECLASS 8.1.327060307ECLASS 8.1.427060307ECLASS 8.1.52000307ECLASS 8.1.52000307ECLASS 8.1.62000307ECLASS 8.1.127060307ECLASS 8.1.127060307ECLASS 8.1.22000307ECLASS 8.1.32000307CalaSS 11.127060307ECLASS 8.1.22001307ECLASS 8.1.22001307ECLASS 8.1.22001307ECLASS 8.1.22001307ECLASS 8.1.22001307ECLASS 8.1.12000307ECLASS 8.1.22001307ECLASS 8.1.22001307ECLASS 8.1.22001307ECLASS 8.1.22001307 <t< td=""><td>Family construction form</td><td>M12</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Family construction form                 | M12                                                                                                 |
| Material     PLF       Widh across flats     SW13       Degreo of protectorin [EN EC 05029]     IPPS, IPPS, IPPS, IPPS,       Side     Stroping legabet, IEC 05029       Side protectorin [EN EC 05029]     20mmocrial dest       ECLASS 4.0     2005007       ECLASS 4.1     2005007       ECLASS 4.0     2005007 <t< td=""><td>Thread</td><td>M12 x 1</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Thread                                   | M12 x 1                                                                                             |
| Width acrose Rela     SW13       Degree of protection (EN IEC 6629)     IP65, IP66K, IP67       Streping length (jacket)     20 mm       Commercial data     E       ECLASS-6.0     27061001       ECLASS-7.0     27060307       ECLASS-7.0     27060307       ECLASS 9.0     27060307       ECLASS 9.0     27060307       ECLASS 9.1     27060307       ECLASS 9.1.1     27060307       ECLASS 9.1.2     27060307       ECLASS 9.1.1     1       Beckaging unit     1       Eccasse 1.1.1     1       Beckaging unit     1       Ecca                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Coding                                   | В                                                                                                   |
| Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Stde z       Strpping lergth (jackel)     Z0 mm       Commercial dat     Z000007       ECLASS-6.0     27061807       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.11     27060307       ECLASS-8.0     27060307       ECLASS-11     27060307       ECLASS-12.0     27060307       ECLASS-13.1     27060307       ECLASS-10.1     27060307       ECLASS -10.1     27060307       Eleatical dati Sup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Material                                 | PUR                                                                                                 |
| Sike 2       Stripping length (acket)     20 mm       Commercial data     20       CLASS-6.0     27061801       ECLASS-5.1     27060307       ECLASS-5.0     27060307       ECLASS-6.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.1     27060307       ECLASS-10.1     27060307       ECLASS-11.0     27060307       ECLASS-12.0     27060307       ECLASS-13.0     27060307       ECLASS-14.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-13.0     27060307       ECLASS-10.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     2706037                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Width across flats                       | SW13                                                                                                |
| Shipping length (jackel)     20 mm       ECLASS 6.0     27061801       ECLASS 6.1     27060307       ECLASS 7.0     27060307       ECLASS 7.0     27060307       ECLASS 8.0     27060307       ECLASS 8.0     27060307       ECLASS 8.0.1     27060307       ECLASS 8.10.1     27060307       ECLASS 11.1     27060307       ECLASS 11.1     27060307       ECLASS 11.1     27060307       ECLASS 11.1     27060307       ECMASS 20.0     27061307       ETMAS0     EC001825       Coutom tatin munber     864290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67                                                                                   |
| Commercial data       ECLASS 6.0     27061801       ECLASS 6.0     27060307       ECLASS 6.0     27060307       ECLASS 6.0     27060307       ECLASS 6.0     27060307       ECLASS 7.0     27060307       ECLASS 7.0     27060307       ECLASS 7.0     27060307       ECLASS 7.1     27060307       ECLASS 7.1     27060307       ECLASS 7.1     27060307       ECLASS 7.1.0     27060307       ECLASS 7.1.0     27060307       ECLASS 7.2.0     27060307       ECLASS 7.2.0     27060307       ECMASS 7.2.0     27061307       Operating volage AC (Max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Side 2                                   |                                                                                                     |
| ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.0.0     27067307       Parkaging unit     1       Evertime operating voltage AC (UL-listed)     30 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Stripping length (jacket)                | 20 mm                                                                                               |
| ECLASS-6.1     27660307       ECLASS-7.0     27660307       ECLASS-8.0     27660307       ECLASS-8.0.1     27660307       ECLASS-8.0.1     27660307       ECLASS-1.1     27660307       ECLASS-1.1     27660307       ECLASS-1.1     27660307       ECLASS-1.2.0     27660307       ECLASS-1.1     27660307       ECLASS-1.1     27660307       ECLASS-1.2.0     27660307       ECLASS-1.2.0     27660307       ECLASS-1.1     27660307       ECLASS-1.2.0     27660307       ECLASS-1.1     27660307       ECLASS-1.2.0     27660307       ECLASS-1.2.0     27660307       ECLASS ELASS     27660307       ELASS ELASS     27660307       Operatiny totage AC max.     60 V       Operatiny totage AC (UL-listed)     30 V       Current operatiny tonege AC (UL-listed)     30 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Commercial data                          |                                                                                                     |
| EQLASS-7.0     27060307       EQLASS-8.0     27060307       EQLASS-8.0     27060307       EQLASS-8.0     27060307       EQLASS-1.1     27060307       EQLASS-1.1     27060307       EQLASS-1.1     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       ETM-5.0     E0001855       customs tariff rumber     85444290       GTN     4048873377522       Packaging unit     1       Electrical datal Supply        Operating voltage AC max.     60 V       Operating voltage DC max.     4 A       Installation I Connection     30 V       Operating voltage DC max.     4 A       Addit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ECLASS-6.0                               | 27061801                                                                                            |
| EQLASS-7.0     27060307       EQLASS-8.0     27060307       EQLASS-8.0     27060307       EQLASS-8.0     27060307       EQLASS-10.1     27060307       EQLASS-11.1     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       EQLASS-12.0     27060307       ETM-5.0     EQ001855       customs staff number     85444290       GTN     404887377222       Packaging unit     1       Electrical datal Supply        Operating voltage DC max.     60 V       Operating voltage DC max.     4 A       Installation   Connection     30 V       Current operating per contact max.     4 A       Additional condition protection degree     inserted. screwed       Pollution Dagree     3       Patter surge voltage     1.5 kv  <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                                                                                                     |
| ECLASS-3.0     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.3     27060307       ECLASS-1.4     27060307       ECLASS-1.5.0     E700537       ECLASS-1.1     27060307       ETIM-5.0     EC001855       outsins taiff number     8544230       GTIN     404887937522       Packaging unt     1       Electrical data [Supply     Operating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC Cmax.     60 V       Operating voltage AC (Listed)     30 V       Operating voltage DC (Listed)     30 V       Batel ating voltage DC (Listed)     30 V       Operating voltage DC (Listed)     20 mm       Mounting set     M12 x 1       Bateri                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                     |
| ECLASS-3.0     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.3     27060307       ECLASS-1.4     27060307       ECLASS-1.5.0     E700537       ECLASS-1.1     27060307       ETIM-5.0     EC001855       outsins taiff number     8544230       GTIN     404887937522       Packaging unt     1       Electrical data [Supply     Operating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC Cmax.     60 V       Operating voltage AC (Listed)     30 V       Operating voltage DC (Listed)     30 V       Batel ating voltage DC (Listed)     30 V       Operating voltage DC (Listed)     20 mm       Mounting set     M12 x 1       Bateri                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ECLASS-8.0                               | 27060307                                                                                            |
| ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECMAS.0     ECOURSS       customs tariff number     85444290       GTIN     4048879377522       Packaging unit     1       Electrical dial Supply     Coperating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Operating oronage DC (UL-listed)     30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          | 27060307                                                                                            |
| ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879377522       Packaging unit     1       Electrical data   Supply     Construct of the second seco | ECLASS-10.1                              | 27060307                                                                                            |
| ETIM-5.0   EC001885     customs tariff number   85444290     GTIN   4048879377522     Packaging unit   1     Electrical data   Supply      Operating voltage AC max.   60 V     Operating voltage C max.   60 V     Operating voltage C (UL-listed)   30 V     Operating outage DC (UL-listed)   30 V     Operating per contact max.   4 A     Installation   Connection      Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical      Additional condition protection degree   inserted, screwed     Polucion Degree   3     Rated surge voltage   1,5 kV     Material strone (JCE 60664-1)   1     Mechanical data   Material data      Coating locking   Nickeled     Coating of fitting   nickel plated     Locking metriel   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ECLASS-11.1                              | 27060307                                                                                            |
| customs tariff number     85444290       GTIN     4048873377522       Packaging unit     1       Electrical data   Supply     Operating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (LU-listed)     30 V       Operating per contact max.     4 A       Installation   Connection     Stripping length (jacket)       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Device protection apprese       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material group (EC 60664-1)     Inc die-casting       Material group connection     Zinc die-casting       Material group connecotion     Zinc die-casting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ECLASS-12.0                              | 27060307                                                                                            |
| GTIN     4048879377522       Packaging unit     1       Electrical dta   Supply        Operating voltage AC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection        Stripping length (lacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data [ Material data        Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     inserted, screwed, Shaking protection       Meterial cata   Mounting data     Incereed, screwed, Shaking protection       Meterial carew connection     Zinc die-casting       Material screw connection     Zinc die-casting       Met                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ETIM-5.0                                 | EC001855                                                                                            |
| Packaging unit   1     Electrical data   Supply   60 V     Operating voltage AC max.   60 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   1     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Metchanical data   Material data   Vickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | customs tariff number                    | 85444290                                                                                            |
| Electrical data   Supply     Operating voltage AC max.   60 V     Operating voltage AC max.   60 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechnical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material serew connection   Zinc die-casting     Mechnical data   Mounting data   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material serew connection   Zinc die-casting     Mounting method <t< td=""><td>GTIN</td><td>4048879377522</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GTIN                                     | 4048879377522                                                                                       |
| Operating voltage AC max.     60 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (lacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollutin Degree     3       Rated surge voltage     1,5 kV       Material group (Ele 6064-1)     I       Mechanical data   Material data     Coating of fitting       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coeating temperature min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Packaging unit                           | 1                                                                                                   |
| Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollutin Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Zinc die-casting       Coating locking     Nickeled       Coating locking     Xinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Co       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Electrical data   Supply                 |                                                                                                     |
| Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Nickeled     Coating locking       Coating locking     Nickeled       Locking material     Zinc cie-casting       Material serve connection     Zinc cie-casting       Material serve connection     Zinc cie-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating temperature min.       -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Operating voltage AC max.                | 60 V                                                                                                |
| Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fiting       Coating locking     Nickeled       Coating of fiting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Co       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Operating voltage DC max.                | 60 V                                                                                                |
| Current operating per contact max.   4 A     Installation   Connection     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zin die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed. Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   -25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Operating voltage AC (UL-listed)         | 30 V                                                                                                |
| Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating temperature min.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Operating voltage DC (UL-listed)         | 30 V                                                                                                |
| Stripping length (jacket) 20 mm   Mounting set M12 x 1   Device protection   Electrical inserted, screwed   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1) 1   Mechanical data   Material data Incel plated   Coating locking Nickeled   Coating of fitting nickel plated   Locking material Zinc die-casting   Mechanical data   Mounting data Inserted, screwed, Shaking protection   Mechanical data   Mounting data Inserted, screwed, Shaking protection   Coperating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Current operating per contact max.       | 4 A                                                                                                 |
| Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Important installation notes   Hereding on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Installation   Connection                |                                                                                                     |
| Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material group (IEC 60664-1)   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Screwed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Stripping length (jacket)                | 20 mm                                                                                               |
| Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Meterial screw connection   Zinc die-casting     Mechanical data   Mounting data   I     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Ab °C   Additional condition temperature range     depending on cable quality   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Mounting set                             | M12 x 1                                                                                             |
| Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Image: Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Device protection   Electrical           |                                                                                                     |
| Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Additional condition protection degree   | inserted, screwed                                                                                   |
| Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                                                                                                     |
| Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickel plated     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   -25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          | 1,5 kV                                                                                              |
| Coating lockingNickeledCoating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting datainserted, screwed, Shaking protectionMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notes-25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Material group (IEC 60664-1)             | -                                                                                                   |
| Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     85 °C   Additional condition temperature range     Important installation notes   depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Mechanical data   Material data          |                                                                                                     |
| Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Coating locking                          | Nickeled                                                                                            |
| Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                                                                                                     |
| Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                                                                                                     |
| 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   Environmental characteristics   Climatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Material screw connection                | Zinc die-casting                                                                                    |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 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   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mounting method                          | inserted, screwed, Shaking protection                                                               |
| Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Environmental characteristics   Climatic |                                                                                                     |
| Additional condition temperature range depending on cable quality   Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Operating temperature min.               | -25 °C                                                                                              |
| Important installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Operating temperature max.               | 85 °C                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Additional condition temperature range   | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Important installation notes             |                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Note on strain relief                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |

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: 2024-05-04

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Note on bending radius



Conformity Product standard DIN EN 61076-2-101 (M12) Installation | Cable Cable identification 841 Jacket Color violet cURus Type of Certificate Amount stranding 1 Stranding 2 wires with 2 Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement red, green Traversing distance (C-track) 5 m @ 25 °C | horizontal Cable weigth 70,4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ±5% Amount wires 2 Outer diameter insulation 2.55 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare 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 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s 29000 pF/km Electric capacitance Power frequency withstand voltage (wire -2 kV @ 60 s iacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C IEC 60332-2-2 | UL 1581 § 1100 FT2 | UL 1581 § 1090 Flame resistance chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing | DIN EN 60811-404

endangered by excessive bending forces.

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be

Travel speed (C-track) 5 Mio. @ 25 °C

Bending radius (fixed)

Bending radius (dynamic)

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7,5 x Outer diameter

12 x Outer diameter