

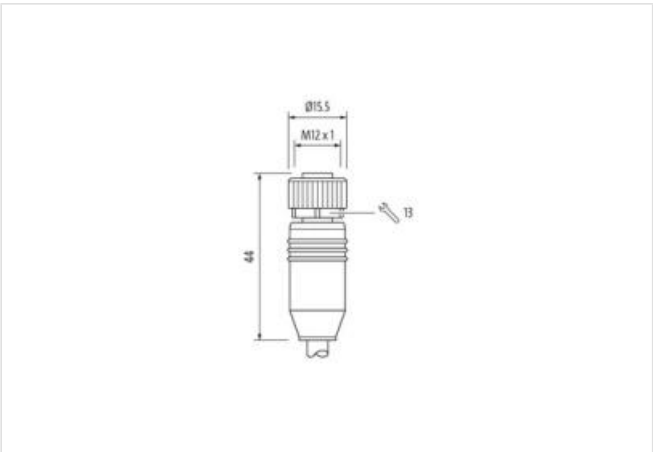
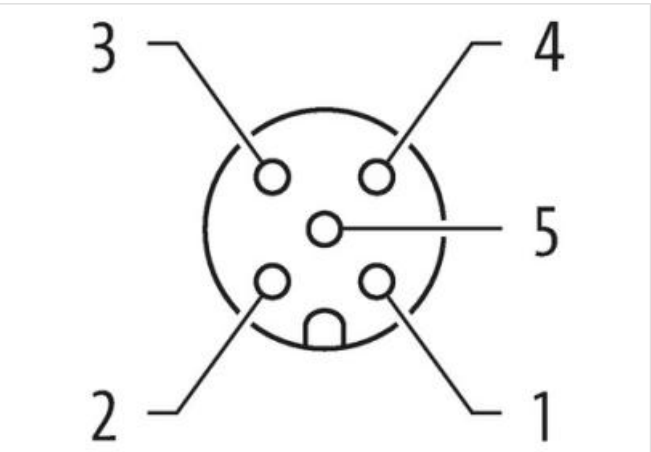
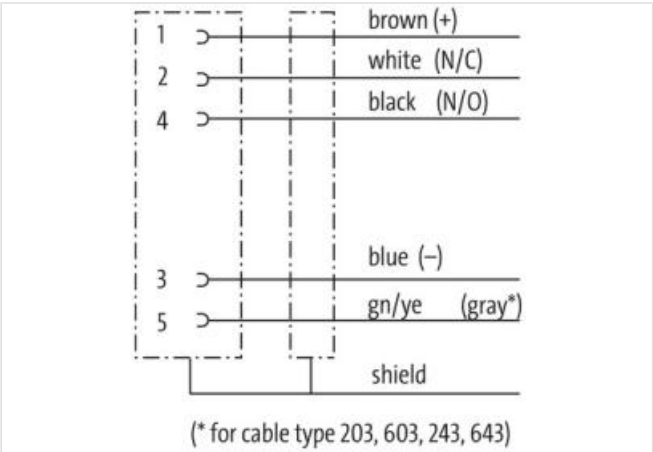
M12 female 0° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 35m

M12, 5-pole  
Female straight  
shielded  
with cable sleeves  
Plastic housings with good resistance against chemicals and oils.  
The resistance to aggressive media should be individually tested for your application. Further details on request.  
Further cable lengths on request.

제품 링크

일러스트



실제 제품은 이미지와 다를 수 있습니다.



Cable length 35 m

Side 1

Tightening torque 0,6 Nm

|                                     |                   |
|-------------------------------------|-------------------|
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Cable outlet                        | straight          |
| Coding                              | A                 |
| Material                            | PUR               |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |

Side 2

|                           |       |
|---------------------------|-------|
| Stripping length (jacket) | 20 mm |
|---------------------------|-------|

제품자료

|             |               |
|-------------|---------------|
| ECLASS-6.0  | 27279218      |
| ECLASS-7.0  | 27279218      |
| ECLASS-8.0  | 27279218      |
| ECLASS-9.0  | 27060311      |
| ECLASS-10.1 | 27060311      |
| ECLASS-11.1 | 27060311      |
| ECLASS-12.0 | 27060311      |
| ETIM-5.0    | EC001855      |
| GTIN        | 4048879655026 |
| 세번부호        | 85444290      |
| 포장단위        | 1             |

Electrical data | Supply

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 60 V |
| Operating voltage DC 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

|                           |         |
|---------------------------|---------|
| Stripping length (jacket) | 20 mm   |
| Mounting set              | M12 x 1 |
| Gender                    | female  |

Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           | I                 |

Mechanical data

|                             |         |
|-----------------------------|---------|
| Contour for corrugated hose | without |
|-----------------------------|---------|

Mechanical data | Material data

|                           |                  |
|---------------------------|------------------|
| 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 | 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

이 데이터 시트에 포함된 정보는 최대한의 주의로 작성되었습니다.  
2024-05-17

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

| Conformity                                        |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Product standard                                  | DIN EN 61076-2-101 (M12)                                       |
| Installation   Cable                              |                                                                |
| Cable identification                              | 243                                                            |
| Cable Type                                        | 3                                                              |
| Jacket Color                                      | gray                                                           |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 5 wires around Core filler twisted                             |
| Cable shielding (type)                            | copper braid, tinned                                           |
| Cable shielding (coverage)                        | 80 %                                                           |
| Banding                                           | Fleece, Foil                                                   |
| Filler                                            | yes                                                            |
| wire arrangement                                  | brown, black, blue, white, gray                                |
| Cable weigth                                      | 57,2 g/m                                                       |
| Material jacket                                   | PUR                                                            |
| Shore hardness jacket                             | 90 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 5,6 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 5                                                              |
| Outer diameter insulation                         | 1,25 mm                                                        |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| Shore hardness wire insulation                    | 70 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 42                                                             |
| Diameter of single wires                          | 0,1 mm                                                         |
| Conductor crossection (wire)                      | 0,34 mm²                                                       |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6                                                 |
| Traversing distance (C-track)                     | 5 m @ 25 °C   horizontal                                       |
| 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          | 57 Ω/km @ 20 °C                                                |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                    |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                    |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s                                                    |
| Min. operating temperature (static)               | -40 °C                                                         |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)              | -25 °C                                                         |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (fixed)                            | 5 x Outer diameter                                             |
| Bending radius (dynamic)                          | 10 x Outer diameter                                            |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                                 |

|                       |                                   |
|-----------------------|-----------------------------------|
| No. of torsion cycles | 2 Mio.                            |
| Torsion stress        | $\pm 30\text{ }^{\circ}/\text{m}$ |
| Torsion speed         | 35 cycles/min                     |