



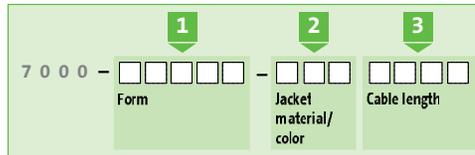
MURRELEKTRONIK'S CONNECTORS

ORDERING SYSTEM

Our concept for your individual application solutions.
Our connector range is a modular system that you can customize for your application.

ARTICLE NUMBER SYSTEM

The article number consists of three blocks: form, jacket material/color and cable length.



EXAMPLE

Block 1: Form

| | | | | |
|---|---|---|---|---|
| 1 | 2 | 4 | 0 | 1 |
|---|---|---|---|---|

 M12 female 90° with LED, 4-pole
Block 2: Jacket material/color

| | | |
|---|---|---|
| 0 | 3 | 3 |
|---|---|---|

 PUR (UL/CSA), yellow
Block 3: Cable length

| | | | |
|---|---|---|---|
| 0 | 3 | 0 | 0 |
|---|---|---|---|

 3m

The resulting part number is how you will order your connector.

7 0 0 0 - 1 2 4 0 1 - 0 3 3 0 3 0 0



INTERNATIONAL APPROVALS
FOR FLEXIBLE USE WORLDWIDE



DID YOU KNOW?
Every Murrelektronik connector is 100% tested.

- This means:**
- ✔ Electrically tested
 - ✔ High voltage tested
 - ✔ Performance tested
 - ✔ Pin assignment tested
 - ✔ Short circuit tested
 - ✔ Visually controlled

- YOUR BENEFITS**
- **Modular connector program**
 - Find your connector quickly
 - **International approvals**
 - Products approved for your market
 - **Guaranteed quality**
 - 100% tested
 - All contacts gold-plated
 - High IP67 protection as standard
 - Shock and vibration resistant
 - **Worldwide and industry wide**
 - Benefit from our expertise and our cross-industry expertise



AUDIBLY SEALED – SIMPLE AND SAFE
Our torque wrench connects Murrelektronik M8-, M12-, 7/8" and M23 connectors simply and tightly, leaving no room for error.



| | |
|------|--------|
| M8 | 0.4 Nm |
| M12 | 0.6 Nm |
| 7/8" | 1.5 Nm |
| M23 | 2.0 Nm |

Just turn until you hear the click.
No more sore fingers!

STANDARD CABLE TYPES FOR YOUR APPLICATION



WIDE RANGE MEETS YOUR REQUIREMENTS

- **4 standard cable types for your application solution**
 - Always the right cable
- **3 cable colors (yellow, gray and black)**
 - The color you need for your industry
- **Meets the highest quality requirements**
 - Certified, application approved and successfully tested with many aggressive media (oil and lubricants)



| Cable Types | | PVC | PUR/PVC | PUR | PUR Welding Spark Resistant |
|-------------------------------------|---------------------------------------|---|---|---|--|
| Cable Standard | | ★ | ★★ | ★★★ | ★★★★★ |
| Properties* | Flame retardant | ■ | ■ | ■ | ■ |
| | Resistant to chemicals | ■ | ■ | ■ | ■ |
| | Resistant to cleaning agents (Ecolab) | ■ | | | |
| | Resistant to oil and lubricants | | ■ | ■ | ■ |
| | Suitable for use in C-tracks** | | 2 million | 5 million | 10 million |
| | Suitable for robotic applications | | | ±180° | ±360° |
| | Welding spark resistant | | | | ■ |
| | UV resistant | | | ■ | ■ |
| | Halogen-free | | | ■ | ■ |
| | Varying temperatures | -5 to +80°C | -5 to +80°C | -25 to +80°C | -25 to +90°C |
| UL/CSA approvals | ■ | | ■ | ■ | |
| Compliant with NFPA 79 Edition 2012 | ■ | | ■ | | |
| Application Examples | | Packaging machines Food & Beverage Assembly lines Production lines | Packaging machines Handling machines Assembly lines Production lines | Machine tools Swivel tables Metal cutting | Machine tools Industrial robots Metal cutting High performance C-tracks |

* The properties of some cable types may differ from this data.

** Max. 3.3 m/s at 5 m horizontal travel distance and max. acceleration of 5m/s².

NOTES



M8 ROUND PLUG CONNECTORS

SMALL, LIGHT, MEETS YOUR NEEDS

- Extensive selection
- Tested technology
- Modern design

M8 REDESIGN – MORE MODELS, & NEW DESIGN

M8's redesign introduces new innovations. We completely redesigned all Murrelektronik's molded M8 connectors. They now have a new look and have been upgraded. We also significantly expanded our range of shielded M8 connectors.

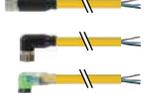
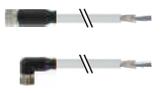
Features:

- Durable PUR molding
- Gold plated contacts
- Small dimensions and improved feel
- Corrugated tubing connection
- Hex screw with thread (SW9)

Huge Variety:

- Male/female, straight/90°, 3-pole/4-pole
- Shielded and unshielded connectors
- 3 standard colors, 4 standard cable types
- Cables, open ended wires, T-couplers, adapters, models with LED

With Open Ended Wires

| | |
|--|--|
|  <p>M8 male • Straight • 90°</p> <p><i>Page 3.1.1</i></p> |  <p>M8 female • Straight • 90° • 90° with LED</p> <p><i>Page 3.1.3</i></p> |
|  <p>M8 male (shielded) • Straight • 90°</p> <p><i>Page 3.1.6</i></p> |  <p>M8 female (shielded) • Straight • 90°</p> <p><i>Page 3.1.8</i></p> |

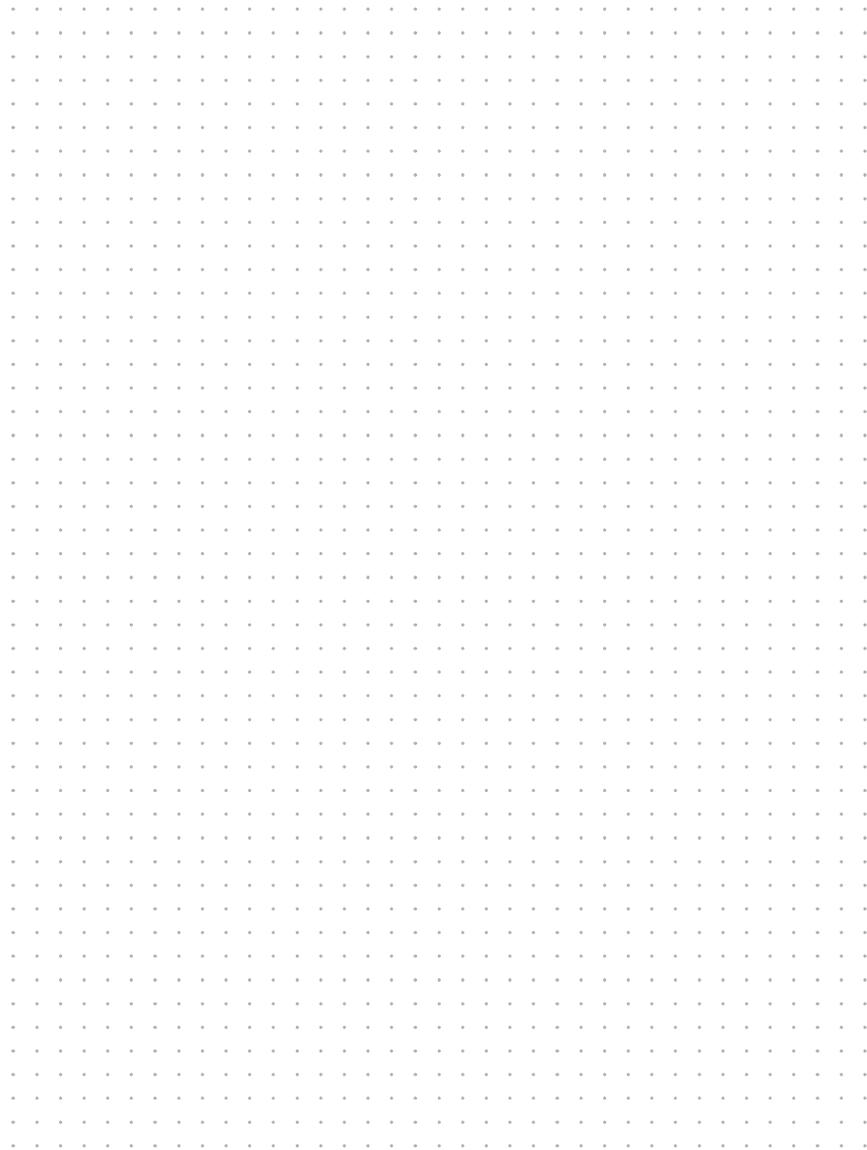
Connection Cables

| | | | |
|---|---|--|--|
|  |  | <p>M8 male • Straight</p> | <p>M8 female • Straight • 90° • 90° with LED</p> <p><i>Page 3.1.10</i></p> |
|  |  | <p>M8 male • Straight • 50°</p> | <p>M12 female • Straight • 50° • 90° with LED</p> <p><i>Page 3.1.13</i></p> |

Field-Wireable

| | |
|---|---|
|  | <p>Insulation Displacement Technology 0.25...0.5 mm²</p> <p>M8 male/female • Straight</p> <p><i>Page 3.1.15</i></p> |
|  | <p>Insulation Displacement Technology 0.14...0.34 mm²</p> <p>M8 male/female • Straight</p> <p><i>Page 3.1.16</i></p> |
|  | <p>Solder pins</p> <p>M8 male/female • Straight • 90°</p> <p><i>Page 3.1.17</i></p> |
|  | <p>Screw Terminals</p> <p>M8 male/female • Straight</p> <p><i>Page 3.1.19</i></p> |
|  | <p>Screw terminals (shielded)</p> <p>M8 male/female • Straight</p> <p><i>Page 3.1.20</i></p> |

NOTES



M8 ROUND PLUG CONNECTORS

Open ended wires

Male
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 08001 | me* | 08011 | me* | | |
|---|--|------|--------------|-----------------|----------------|-------|
| Type | 3-pole | | 4-pole | | | |
| Circuit diagram | | | | | | |
| Contact layout | | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | | |
| Wire diameter 0.25 mm² | yellow | gray | black | yellow | gray | black |
| PVC (UL/CSA) | 010 | 210 | 610 | 011 | 211 | 611 |
| PUR/PVC | 020 | 220 | 620 | 021 | 221 | 621 |
| PUR (UL/CSA) | 030 | 230 | 630 | 031 | 231 | 631 |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 | 251 | 651 |
| 3 Cable Length | | | | | | |
| 1.5 m | 0150 | | | | | |
| 3.0 m | 0300 | | | | | |
| 5.0 m | 0500 | | | | | |
| 7.5 m | 0750 | | | | | |
| 10.0 m | 1000 | | | | | |
| Technical Data | | | | | | |
| Operating voltage | max. 60 V AC/DC | | | max. 30 V AC/DC | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | |
| Article No. | | | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | | - | - | - | - |
| | 1 Form | | 2 Cable Type | | 3 Cable Length | |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires

Male
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 08021 | 08031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|------------------------|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|--|------------------------|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|
| Type | 3 pole | 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | <p>Male</p> | <p>Male</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | <p>Jacket Color</p> <table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>PVC (UL/CSA)</td> <td>010</td> <td>210</td> <td>610</td> </tr> <tr> <td>PUR/PVC</td> <td>020</td> <td>220</td> <td>620</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>030</td> <td>230</td> <td>630</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>050</td> <td>250</td> <td>650</td> </tr> </tbody> </table> | Wire diameter 0.25 mm² | yellow | gray | black | PVC (UL/CSA) | 010 | 210 | 610 | PUR/PVC | 020 | 220 | 620 | PUR (UL/CSA) | 030 | 230 | 630 | PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | <p>Jacket Color</p> <table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>PVC (UL/CSA)</td> <td>011</td> <td>211</td> <td>611</td> </tr> <tr> <td>PUR/PVC</td> <td>021</td> <td>221</td> <td>621</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>031</td> <td>231</td> <td>631</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>051</td> <td>251</td> <td>651</td> </tr> </tbody> </table> | Wire diameter 0.25 mm² | yellow | gray | black | PVC (UL/CSA) | 011 | 211 | 611 | PUR/PVC | 021 | 221 | 621 | PUR (UL/CSA) | 031 | 231 | 631 | PUR (UL/CSA), welding spark res. | 051 | 251 | 651 |
| Wire diameter 0.25 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 010 | 210 | 610 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 020 | 220 | 620 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 030 | 230 | 630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 011 | 211 | 611 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 021 | 221 | 621 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 031 | 231 | 631 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 051 | 251 | 651 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <p>1.5 m 0150</p> <p>3.0 m 0300</p> <p>5.0 m 0500</p> <p>7.5 m 0750</p> <p>10.0 m 1000</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <p>Operating voltage max. 60 V AC/DC</p> <p>Protection IP65 and IP67 when plugged and screwed down (EN 60529)</p> <p>Temperature range -25...+85 °C, depending on cable quality</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | <p>The composition of your article number is explained on page 3.1.1</p> <p>7 0 0 0 - - - - -</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 08041 | me* | 08061 | me* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|------------------------|----------------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|--|--|------------------------|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|--|
| Type | 3 pole | | 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | <p>Female</p> | | <p>Female</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | <p>Jacket Color</p> <table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>PVC (UL/CSA)</td> <td>010</td> <td>210</td> <td>610</td> </tr> <tr> <td>PUR/PVC</td> <td>020</td> <td>220</td> <td>620</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>030</td> <td>230</td> <td>630</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>050</td> <td>250</td> <td>650</td> </tr> </tbody> </table> | Wire diameter 0.25 mm² | yellow | gray | black | PVC (UL/CSA) | 010 | 210 | 610 | PUR/PVC | 020 | 220 | 620 | PUR (UL/CSA) | 030 | 230 | 630 | PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | | <p>Jacket Color</p> <table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>PVC (UL/CSA)</td> <td>011</td> <td>211</td> <td>611</td> </tr> <tr> <td>PUR/PVC</td> <td>021</td> <td>221</td> <td>621</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>031</td> <td>231</td> <td>631</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>051</td> <td>251</td> <td>651</td> </tr> </tbody> </table> | Wire diameter 0.25 mm² | yellow | gray | black | PVC (UL/CSA) | 011 | 211 | 611 | PUR/PVC | 021 | 221 | 621 | PUR (UL/CSA) | 031 | 231 | 631 | PUR (UL/CSA), welding spark res. | 051 | 251 | 651 | |
| Wire diameter 0.25 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 010 | 210 | 610 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 020 | 220 | 620 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 030 | 230 | 630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 011 | 211 | 611 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 021 | 221 | 621 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 031 | 231 | 631 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 051 | 251 | 651 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <p>1.5 m 0150</p> <p>3.0 m 0300</p> <p>5.0 m 0500</p> <p>7.5 m 0750</p> <p>10.0 m 1000</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <p>Operating voltage max. 60 V AC/DC</p> <p>Protection IP65 and IP67 when plugged and screwed down (EN 60529)</p> <p>Temperature range -25...+85 °C, depending on cable quality</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | <p>The composition of your article number is explained on page 3.1.1</p> <p>7 0 0 0 - - - - -</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 08081 | meX | 08101 | meX | | |
|---|--|--------------|--|--------|--|----------------|
| Type | 3 pole | | 4 pole | | | |
| Circuit diagram | | | | | | |
| Contact layout | | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | | |
| Wire diameter 0.25 mm² | yellow | gray | black | yellow | gray | black |
| PVC (UL/CSA) | 010 | 210 | 610 | 011 | 211 | 611 |
| PUR/PVC | 020 | 220 | 620 | 021 | 221 | 621 |
| PUR (UL/CSA) | 030 | 230 | 630 | 031 | 231 | 631 |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 | 251 | 651 |
| 3 Cable Length | 0150 | | 0150 | | 0150 | |
| | 0300 | | 0300 | | 0300 | |
| | 0500 | | 0500 | | 0500 | |
| | 0750 | | 0750 | | 0750 | |
| | 1000 | | 1000 | | 1000 | |
| Technical Data | max. 60 V AC/DC | | max. 30 V AC/DC | | max. 30 V AC/DC | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | IP65 and IP67 when plugged and screwed down (EN 60529) | | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | | -25...+85 °C, depending on cable quality | | -25...+85 °C, depending on cable quality | |
| Article No. | | | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | 7 0 0 0 - 0 8 1 0 1 - - - - - | | 7 0 0 0 - 0 8 1 0 1 - - - - - | |
| | 1 Form | 2 Cable Type | 3 Cable Length | 1 Form | 2 Cable Type | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 08121 | meX | |
|---|--|--------------|----------------|
| Type | 3-pole with 2 × LED (PNP) (NPN) on request | | |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | | |
| Wire diameter 0.25 mm² | yellow | gray | black |
| PVC (UL/CSA) | 010 | 210 | 610 |
| PUR/PVC | 020 | 220 | 620 |
| PUR (UL/CSA) | 030 | 230 | 630 |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 |
| 3 Cable Length | 0150 | | |
| | 0300 | | |
| | 0500 | | |
| | 0750 | | |
| | 1000 | | |
| Technical Data | 24 V DC ±25 % | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - 0 8 1 2 1 - - - - - | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
:straight



Approvals:

| 1 Form | 08701 | 08711 |
|---|--|---|
| Type | 3-pole | 4-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray black | gray black |
| PVC (UL/CSA) | 200 600 | 201 601 |
| PUR (UL/CSA) | 240 640 | 241 641 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
90°



Approvals:

| 1 Form | 08721 | 08731 |
|---|--|---|
| Type | 3-pole | 4-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray black | gray black |
| PVC (UL/CSA) | 200 600 | 201 601 |
| PUR (UL/CSA) | 240 640 | 241 641 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
:straight



Approvals:

| 1 Form | 08741 | 08761 |
|---|--|---|
| Type | 3-pole | 4-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray black | gray black |
| PVC (UL/CSA) | 200 600 | 201 601 |
| PUR (UL/CSA) | 240 640 | 241 641 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
90°



Approvals:

| 1 Form | 08781 | 08801 |
|---|--|---|
| Type | 3-pole | 4-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray black | gray black |
| PVC (UL/CSA) | 200 600 | 201 601 |
| PUR (UL/CSA) | 240 640 | 241 641 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type 3 Cable Length |

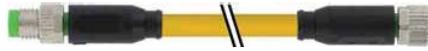
Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Connection cables
- M8 - M8

Male
straight

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 88001 | meX | 88011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|-----------------|-------------------|-----------------|-------|-----------------|--------|------------|--|------------------------------------|-------|------|--|--|-------------------|--|--------------|-----|-------|------|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|--------------|-----|-----|-----|-----|-----|-----|----------------------------------|-----|-----|-----|-----|-----|-----|
| Type | 3 pole | | 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | <table border="1"> <thead> <tr> <th>Jacket Color</th> <th>yellow</th> <th>gray</th> <th>black</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>Wire diameter 0.25 mm²</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PVC (UL/CSA)</td> <td>010</td> <td>210</td> <td>610</td> <td>011</td> <td>211</td> <td>611</td> </tr> <tr> <td>PUR/PVC</td> <td>020</td> <td>220</td> <td>620</td> <td>021</td> <td>221</td> <td>621</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>030</td> <td>230</td> <td>630</td> <td>031</td> <td>231</td> <td>631</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>050</td> <td>250</td> <td>650</td> <td>051</td> <td>251</td> <td>651</td> </tr> </tbody> </table> | | | Jacket Color | yellow | gray | black | yellow | gray | black | Wire diameter 0.25 mm ² | | | | | | | PVC (UL/CSA) | 010 | 210 | 610 | 011 | 211 | 611 | PUR/PVC | 020 | 220 | 620 | 021 | 221 | 621 | PUR (UL/CSA) | 030 | 230 | 630 | 031 | 231 | 631 | PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 | 251 | 651 |
| Jacket Color | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 010 | 210 | 610 | 011 | 211 | 611 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 020 | 220 | 620 | 021 | 221 | 621 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 030 | 230 | 630 | 031 | 231 | 631 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 | 251 | 651 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td><td></td><td></td></tr> <tr><td>0.6 m</td><td>0060</td><td></td><td></td></tr> <tr><td>1.0 m</td><td>0100</td><td></td><td></td></tr> <tr><td>1.5 m</td><td>0150</td><td></td><td></td></tr> <tr><td>2.0 m</td><td>0200</td><td></td><td></td></tr> </tbody> </table> | | | 0.3 m | 0030 | | | 0.6 m | 0060 | | | 1.0 m | 0100 | | | 1.5 m | 0150 | | | 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tbody> <tr><td>Operating voltage</td><td colspan="2">max. 60 V AC/DC</td><td colspan="2">max. 30 V AC/DC</td></tr> <tr><td>Protection</td><td colspan="6">IP65 and IP67 when plugged and screwed down (EN 60529)</td></tr> <tr><td>Temperature range</td><td colspan="6">-25...+85 °C, depending on cable quality</td></tr> </tbody> </table> | | | Operating voltage | max. 60 V AC/DC | | max. 30 V AC/DC | | Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 60 V AC/DC | | max. 30 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <table border="1"> <tbody> <tr> <td>7</td> <td>0</td> <td>0</td> <td>0</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | | | 7 | 0 | 0 | 0 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 0 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Connection cables
- M8 - M8

Male
straight

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 88021 | meX | 88031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|-----------------|-------------------|-----------------|-------|-----------------|--------|------------|--|------------------------------------|-------|------|--|--|-------------------|--|--------------|-----|-------|------|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|--------------|-----|-----|-----|-----|-----|-----|----------------------------------|-----|-----|-----|-----|-----|-----|
| Type | 3 pole | | 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | <table border="1"> <thead> <tr> <th>Jacket Color</th> <th>yellow</th> <th>gray</th> <th>black</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>Wire diameter 0.25 mm²</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PVC (UL/CSA)</td> <td>010</td> <td>210</td> <td>610</td> <td>011</td> <td>211</td> <td>611</td> </tr> <tr> <td>PUR/PVC</td> <td>020</td> <td>220</td> <td>620</td> <td>021</td> <td>221</td> <td>621</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>030</td> <td>230</td> <td>630</td> <td>031</td> <td>231</td> <td>631</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>050</td> <td>250</td> <td>650</td> <td>051</td> <td>251</td> <td>651</td> </tr> </tbody> </table> | | | Jacket Color | yellow | gray | black | yellow | gray | black | Wire diameter 0.25 mm ² | | | | | | | PVC (UL/CSA) | 010 | 210 | 610 | 011 | 211 | 611 | PUR/PVC | 020 | 220 | 620 | 021 | 221 | 621 | PUR (UL/CSA) | 030 | 230 | 630 | 031 | 231 | 631 | PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 | 251 | 651 |
| Jacket Color | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 010 | 210 | 610 | 011 | 211 | 611 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 020 | 220 | 620 | 021 | 221 | 621 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 030 | 230 | 630 | 031 | 231 | 631 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 | 251 | 651 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td><td></td><td></td></tr> <tr><td>0.6 m</td><td>0060</td><td></td><td></td></tr> <tr><td>1.0 m</td><td>0100</td><td></td><td></td></tr> <tr><td>1.5 m</td><td>0150</td><td></td><td></td></tr> <tr><td>2.0 m</td><td>0200</td><td></td><td></td></tr> </tbody> </table> | | | 0.3 m | 0030 | | | 0.6 m | 0060 | | | 1.0 m | 0100 | | | 1.5 m | 0150 | | | 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tbody> <tr><td>Operating voltage</td><td colspan="2">max. 60 V AC/DC</td><td colspan="2">max. 30 V AC/DC</td></tr> <tr><td>Protection</td><td colspan="6">IP65 and IP67 when plugged and screwed down (EN 60529)</td></tr> <tr><td>Temperature range</td><td colspan="6">-25...+85 °C, depending on cable quality</td></tr> </tbody> </table> | | | Operating voltage | max. 60 V AC/DC | | max. 30 V AC/DC | | Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 60 V AC/DC | | max. 30 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | 0 | 0 | 0 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Connection cables
- M8 - M8

Male
:straight

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| | | |
|---|--|-----------------------|
| 1 Form | 88041 | meX |
| Type | 3-pole with 2 x LED (PNP) (NPN) on request | |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | |
| Wire diameter 0.25 mm² | yellow | gray black |
| PVC (UL/CSA) | 010 | 210 610 |
| PUR/PVC | 020 | 220 620 |
| PUR (UL/CSA) | 030 | 230 630 |
| PUR (UL/CSA), welding spark res. | 050 | 250 650 |
| 3 Cable Length | | |
| 0.3 m | 0030 | |
| 0.6 m | 0060 | |
| 1.0 m | 0100 | |
| 1.5 m | 0150 | |
| 2.0 m | 0200 | |
| Technical Data | | |
| Operating voltage | 24 V DC ±25 % | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - 8 8 0 4 1 - | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Connection cables
- M8 - M12

Male
:straight

Female
:straight



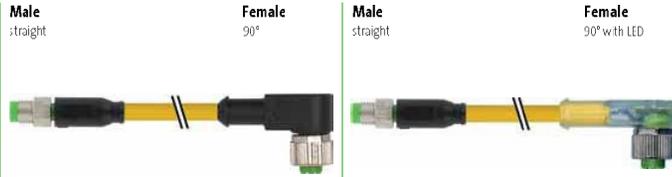
Approvals:
* only for products with UL/CSA approved cable

| | | | | |
|---|--|---------------------|--|---------------|
| 1 Form | 88241 | meX | 88251 | meX |
| Type | 3-pole | | 4-pole | |
| Circuit diagram | | | | |
| Contact layout | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | |
| Wire diameter 0.25 mm² | yellow | gray black | yellow | gray black |
| PVC (UL/CSA) | 010 | 210 610 | 011 | 211 611 |
| PUR/PVC | 020 | 220 620 | 021 | 221 621 |
| PUR (UL/CSA) | 030 | 230 630 | 031 | 231 631 |
| PUR (UL/CSA), welding spark res. | 050 | 250 650 | 051 | 251 651 |
| 3 Cable Length | | | | |
| 0.3 m | 0030 | | 0030 | |
| 0.6 m | 0060 | | 0060 | |
| 1.0 m | 0100 | | 0100 | |
| 1.5 m | 0150 | | 0150 | |
| 2.0 m | 0200 | | 0200 | |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | | max. 30 V AC/DC | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | | -25...+85 °C, depending on cable quality | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - | | 7 0 0 0 - | |
| | 1 Form | 2 Cable Type | 3 Cable Length | |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Connection cables
- M8 - M12



Approvals:
* only for products with UL/CSA approved cable

| | | | | | |
|---|------------------------------------|--|---|------------|-----|
| 1 Form | 88261 | me* | 88281 | me* | |
| | 3-pole | | 3-pole with 2 x LED (PNP) (NPN) on request | | |
| Circuit diagram | | | | | |
| Contact layout | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | |
| | Wire diameter 0.25 mm ² | | yellow gray black | | |
| | PVC (UL/CSA) | | 010 | 210 | 610 |
| | PUR/PVC | | 020 | 220 | 620 |
| | PUR (UL/CSA) | | 030 | 230 | 630 |
| | PUR (UL/CSA), welding spark res. | | 050 | 250 | 650 |
| 3 Cable Length | 0.3 m | | 0030 | | |
| | 0.6 m | | 0060 | | |
| | 1.0 m | | 0100 | | |
| | 1.5 m | | 0150 | | |
| | 2.0 m | | 0200 | | |
| | Technical Data | | max. 60 V AC/DC | | |
| Operating voltage | | 24 V DC ±25 % | | | |
| Protection | | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | | -25...+85 °C, depending on cable quality | | | |
| Article No. | | | | | |
| The composition of your article number is explained on page 3.1.1 | | 7 0 0 0 - - - - - | | | |
| | | 1 Form 2 Cable Type 3 Cable Length | | | |

Notes: Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M8 ROUND PLUG CONNECTORS

Field-wireable
- Insulation displacement technology



Approvals:

| | | | | | | | | |
|---|----------------------------|------------|--------------|------------|--------------|------------|--------------|------------|
| 1 Form | 08321 | me* | 08341 | me* | 08361 | me* | 08381 | me* |
| | 3-pole | | 4-pole | | 3-pole | | 4-pole | |
| Circuit diagram | | | | | | | | |
| Connection cross section | 0.25...0.5 mm ² | | | | | | | |
| Contact layout | | | | | | | | |
| Technical Data | | | | | | | | |
| Operating voltage | | | | | | | | |
| max. 32 V AC/DC | | | | | | | | |
| Operating current per contact | | | | | | | | |
| max. 4 A | | | | | | | | |
| Connection cross section | | | | | | | | |
| 0.25...0.5 mm ² (conductor diameter min. 0.1 mm) | | | | | | | | |
| Sealing range (cable diameter) | | | | | | | | |
| 4...5.1 mm | | | | | | | | |
| Wire isolation | | | | | | | | |
| PVC, PE, PPE | | | | | | | | |
| Outer wire diameter | | | | | | | | |
| 1.2...1.6 mm | | | | | | | | |
| Protection | | | | | | | | |
| IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | |
| Temperature range | | | | | | | | |
| -25...+85 °C | | | | | | | | |
| Article No. | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | | | | | | | | |
| 7 0 0 0 - - - - - 0 0 0 0 0 0 0 | | | | | | | | |
| 1 Form | | | | | | | | |

Notes: Other versions on request.

M8 ROUND PLUG CONNECTORS

Field-wireable
– Insulation displacement
technology

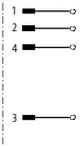
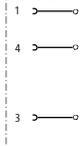
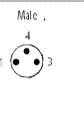
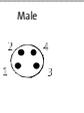
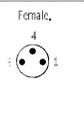
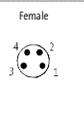
Approvals:  

Male
straight



Female
straight



| 1 Form | 08331 me* | 08351 me* | 08371 me* | 08391 me* | |
|---|---|---|---|---|-------------------------------------|
| Type | 3-pole | 4-pole | 3-pole | 4-pole | |
| Circuit diagram |  |  |  |  | |
| Connection cross section | 0.14...0.34 mm ² | | | | |
| Contact layout |  |  |  |  | |
| Technical Data | | | | | |
| Operating voltage | max. 32 V AC/DC | | | | |
| Operating current per contact | max. 4 A | | | | |
| Connection cross section | 0.14...0.34 mm ² (conductor diameter min. 0.1 mm) | | | | |
| Sealing range (cable diameter) | 2.5...5.1 mm (gasket included) | | | | |
| Wire isolation | PVC, PE, PPE | | | | |
| Outer wire diameter | 1.0...1.6 mm | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | |
| Temperature range | -25...+85 °C | | | | |
| Article No. | | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | | |

Notes
Other versions on request.

M8 ROUND PLUG CONNECTORS

Field-wireable
– Solder pins

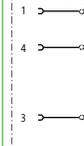
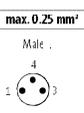
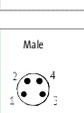
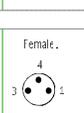
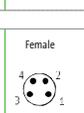
Approvals: 

Male
straight



Female
straight



| 1 Form | 08401 | 08421 | 08481 | 08501 | |
|---|---|---|---|---|-------------------------------------|
| Type | 3-pole | 4-pole | 3-pole | 4-pole | |
| Circuit diagram |  |  |  |  | |
| Connection cross section | max. 0.25 mm ² | | | | |
| Contact layout |  |  |  |  | |
| Technical Data | | | | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC | max. 60 V AC/DC | max. 30 V AC/DC | |
| Operating current per contact | max. 4 A | | | | |
| Connection cross section | max. 0.25 mm ² | | | | |
| Sealing range (cable diameter) | 3.5...5.0 mm | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | |
| Temperature range | -25...+85 °C | | | | |
| Article No. | | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | | |

Notes
Other versions on request.

M8 ROUND PLUG CONNECTORS

Field-wireable
– Solder pins

Male
90°



Female
90°



Approvals:

| 1 Form | 08441 | 08461 | 08521 | 08541 |
|---|--|-----------------|-----------------|-------------------------------------|
| Type | 3-pole | 4-pole | 3-pole | 4-pole |
| Circuit diagram | | | | |
| Connection cross section | max. 0.25 mm ² | | | |
| Contact layout | | | | |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC | max. 60 V AC/DC | max. 30 V AC/DC |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | max. 0.25 mm ² | | | |
| Sealing range (cable diameter) | 3.5...5.0 mm | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> |
| | | | | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | | 1 Form | | |

Notes

Other versions on request.

M8 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminals

Male
straight



Female
straight



Approvals:

| 1 Form | 08601 | 08611 | 08621 | 08631 |
|---|--|-----------------|-----------------|-------------------------------------|
| Type | 3-pole | 4-pole | 3-pole | 4-pole |
| Circuit diagram | | | | |
| Connection cross section | 0.14...0.5 mm ² | | | |
| Contact layout | | | | |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC | max. 60 V AC/DC | max. 30 V AC/DC |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | 0.14...0.5 mm ² | | | |
| Sealing range (cable diameter) | 2.5...5.0 mm | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> |
| | | | | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | | 1 Form | | |

Notes

Other versions on request.

M8 ROUND PLUG CONNECTORS

- Field-wireable
 – Screw terminals
 – shielded

Approvals:

Male
 straight



Female
 straight



| 1 Form | 08641 | 08651 | 08661 | 08671 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-------------------------------|----------|---|---|---|--------------------------|-----------------------------|---|---|---|--------------------------------|---------------|--|--|--|------------|--|--|--|--|-------------------|--------------|--|--|--|
| Type | 3-pole | 4-pole | 3-pole | 4-pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection cross section | 0.14... 0.5 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tr> <td>Operating voltage</td> <td>max. 60 V AC/DC</td> <td>max. 30 V AC/DC</td> <td>max. 60 V AC/DC</td> <td>max. 30 V AC/DC</td> </tr> <tr> <td>Operating current per contact</td> <td colspan="4">max. 4 A</td> </tr> <tr> <td>Connection cross section</td> <td colspan="4">0.14... 0.5 mm²</td> </tr> <tr> <td>Sealing range (cable diameter)</td> <td colspan="4">3.5... 5.5 mm</td> </tr> <tr> <td>Protection</td> <td colspan="4">IP65 and IP67 when plugged and screwed down (EN 60529)</td> </tr> <tr> <td>Temperature range</td> <td colspan="4">-25...+85 °C</td> </tr> </table> | | | | Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC | max. 60 V AC/DC | max. 30 V AC/DC | Operating current per contact | max. 4 A | | | | Connection cross section | 0.14... 0.5 mm ² | | | | Sealing range (cable diameter) | 3.5... 5.5 mm | | | | Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | Temperature range | -25...+85 °C | | | |
| Operating voltage | max. 60 V AC/DC | max. 30 V AC/DC | max. 60 V AC/DC | max. 30 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating current per contact | max. 4 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection cross section | 0.14... 0.5 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 3.5... 5.5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <table border="1"> <tr> <td>7</td><td>0</td><td>0</td><td>0</td><td>-</td><td>-</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table> | | | | 7 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 0 | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes
 Other versions on request.

M8 ROUND PLUG CONNECTORS



stay connected

| Labeling accessories | | | Art.No. |
|-------------------------|--|--|--|
| | Slip-on cable sleeve for ACS label plates (4 × 18 mm) | Cable diameter (4...6.5 mm) | 7000-99004-000000 |
| | Snap-on cable sleeve for ACS label plates (4 × 18 mm) for ACS label plates (4 × 18 mm) | Cable diameter (4.2...5.6 mm) Cable diameter (5...7 mm) | 7000-99005-000000 7000-99006-000000 |
| | ACS label plate for self marking (4 × 18 mm) | Cable sleeves | 7000-99002-000000 |
| Mounting accessories | | | Art.No. |
| | Torque wrench set M8 (0.4 Nm, AF9) | | 7000-99101-000000 |
| End fitting accessories | | | Art.No. |
| | Tube adapter snap-in for corrugated tube (size 13mm) | Cable diameter (4...7 mm) | 7000-99081-000000 |
| Connection accessories | | | Art.No. |
| | Flange M8 male, pre-wired 0.2 m 3-pole 4-pole | | 7000-08551-9700020 7000-08561-9710020 |
| | Flange M8 female, pre-wired 0.2 m 3-pole 4-pole | | 7000-08571-9700020 7000-08581-9710020 |



M12 ROUND PLUG CONNECTORS COMPREHENSIVE AND VERSATILE

- The right model for any application
- Shock and vibration resistant with integrated fastening
- Reliable – 100 % tested

M12 CONNECTORS – DESIGNED FOR MANY DIFFERENT CUSTOMER APPLICATIONS

Murrelektronik offers one of the most comprehensive M12 connector ranges on the market. Reliable, quick and easy assembly, a clear LED indicator: these are only a few of the features that make this product range one of the best.

Features

- Combined hex screw with thread for secure connections
- Highly resistant, halogen-free PUR molding guarantees IP67/68 seal
- Wide range of cable material and color – always the right choice for your application

With Open Ended Wires

| | |
|---|---|
|  <p>M12 male • Straight • 90°</p> <p>Page 3.2.1</p> |  <p>M12 female • Straight • 90°</p> <p>Page 3.2.7</p> |
|  <p>M12 female with LED • Straight • 90°</p> <p>Page 3.2.13</p> |  <p>M12 male (shielded) • Straight • 90°</p> <p>Page 3.2.16</p> |
|  <p>M12 female (shielded) • Straight • 90°</p> <p>Page 3.2.22</p> | |

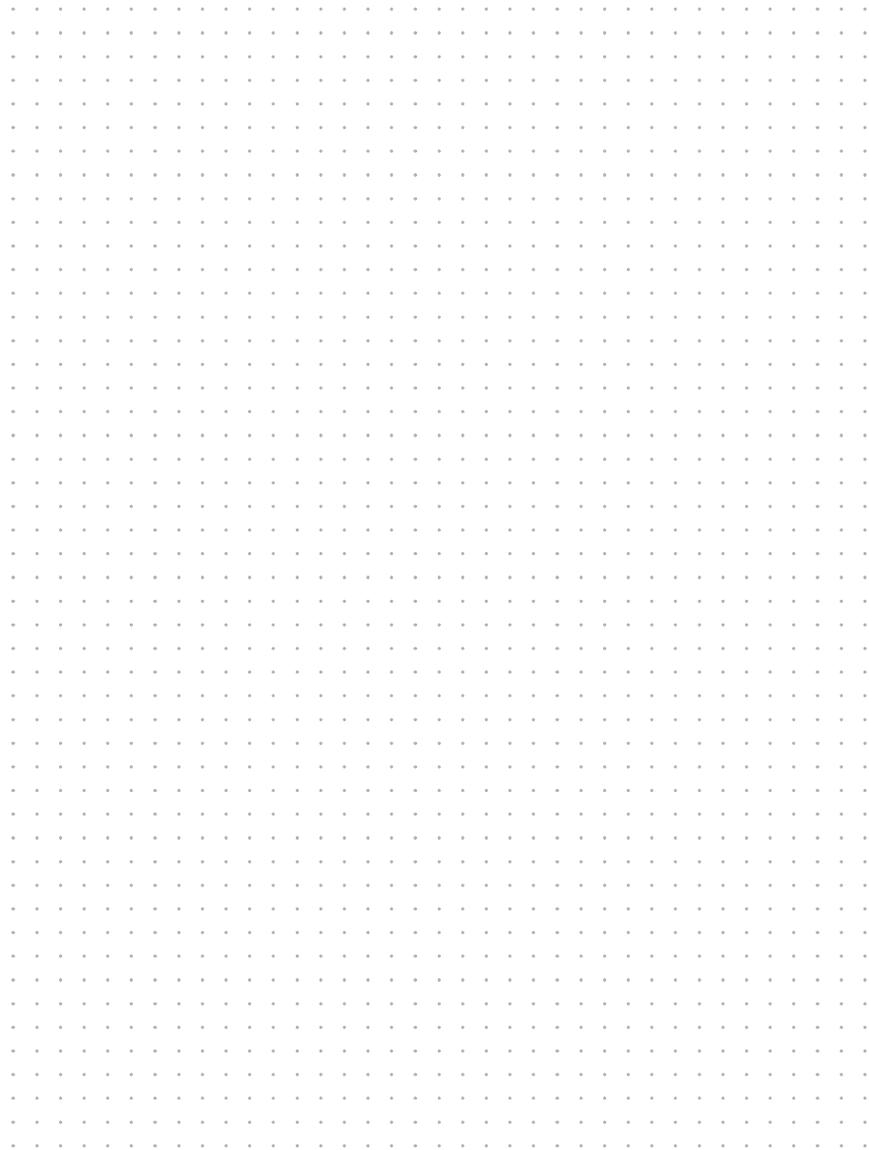
Connection Cables

| | | | |
|---|---|--|---|
|  |  | <p>M12 male • Straight • 90°</p> | <p>M12 female • Straight • 90° • 90° with LLD</p> <p>Page 3.2.28</p> |
|  |  | <p>M12Y connector male • Straight</p> | <p>M12 female • Straight • 90° • 90° with LLD</p> <p>Page 3.2.34</p> |
|  |  | <p>M12 male (shielded) • Straight acc. to DESINA®</p> | <p>M12 female (shielded) • Straight acc. to DESINA®</p> <p>Page 3.2.37</p> |
|  |  | <p>M12 male • Straight</p> | <p>M8 female • Straight • 90° • 90° with LLD</p> <p>Page 3.2.39</p> |
|  |  | <p>M12Y connector male • Straight</p> | <p>M8 female • Straight • 90° • 90° with LLD</p> <p>Page 3.2.41</p> |

Field-Wireable

| | |
|---|--|
|  | <p>Insulation Displacement Technology</p> <p>M12 male/female • Straight • 90°</p> <p>M12 female • 90° with LED</p> <p>Page 3.2.43</p> |
|  | <p>Screw Terminals</p> <p>M12 male/female • Straight • 90°</p> <p>Screw Terminals</p> <p>M12Y connector male • Straight</p> <p>Page 3.2.49</p> |
|  | <p>Screw Terminals (shielded)</p> <p>M12 male/female • Straight • 90°</p> <p>Page 3.2.56</p> |

NOTES



M12 ROUND PLUG CONNECTORS

Open ended wires

Male
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 12001 me* | 12021 me* | 12041 me* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---------------------------------------|---|------------------|------------------|--------------|---|--------------|-------------------|--|--------|------|---------|---|-------|--------|------|-------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|-----|-----|-----|-----|-----------|-----|-----------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Type | 3-pole | 4-pole | 5-pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | <p>(* for cable type 126 and 732)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | <table border="1"> <thead> <tr> <th>Wire diameter 0.34 mm²</th> <th colspan="2">Jacket Color</th> <th colspan="2">Jacket Color</th> <th colspan="2">Jacket Color</th> </tr> <tr> <th></th> <th>yellow</th> <th>gray</th> <th>yellow</th> <th>gray</th> <th>black</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>PVC (UL/CSA)</td> <td>013</td> <td>213</td> <td>613</td> <td>014</td> <td>214</td> <td>614</td> <td>015</td> <td>215</td> <td>615</td> </tr> <tr> <td>PUR/PVC</td> <td>023</td> <td>223</td> <td>623</td> <td>024</td> <td>224</td> <td>624</td> <td>025</td> <td>225</td> <td>625</td> </tr> <tr> <td>PUR (UL/CSA)</td> <td>033</td> <td>233</td> <td>633</td> <td>034</td> <td>234</td> <td>634</td> <td>035 (126)</td> <td>235</td> <td>635 (732)</td> </tr> <tr> <td>PUR (UL/CSA), welding spark res.</td> <td>053</td> <td>253</td> <td>653</td> <td>054</td> <td>254</td> <td>654</td> <td>055</td> <td>255</td> <td>655</td> </tr> </tbody> </table> | | | Wire diameter 0.34 mm² | Jacket Color | | Jacket Color | | Jacket Color | | | yellow | gray | yellow | gray | black | yellow | gray | black | PVC (UL/CSA) | 013 | 213 | 613 | 014 | 214 | 614 | 015 | 215 | 615 | PUR/PVC | 023 | 223 | 623 | 024 | 224 | 624 | 025 | 225 | 625 | PUR (UL/CSA) | 033 | 233 | 633 | 034 | 234 | 634 | 035 (126) | 235 | 635 (732) | PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 054 | 254 | 654 | 055 | 255 | 655 |
| Wire diameter 0.34 mm² | Jacket Color | | Jacket Color | | Jacket Color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | yellow | gray | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | 014 | 214 | 614 | 015 | 215 | 615 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 023 | 223 | 623 | 024 | 224 | 624 | 025 | 225 | 625 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | 034 | 234 | 634 | 035 (126) | 235 | 635 (732) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 054 | 254 | 654 | 055 | 255 | 655 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tbody> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>3.0 m</td><td>0300</td></tr> <tr><td>5.0 m</td><td>0500</td></tr> <tr><td>7.5 m</td><td>0750</td></tr> <tr><td>10.0 m</td><td>1000</td></tr> </tbody> </table> | | | 1.5 m | 0150 | 3.0 m | 0300 | 5.0 m | 0500 | 7.5 m | 0750 | 10.0 m | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 m | 0300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 m | 0500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.5 m | 0750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 m | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tbody> <tr> <td>Operating voltage</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> </tr> <tr> <td>Protection</td> <td colspan="2">IP4 and IP67 when plugged and screwed down (EN 60529)</td> </tr> <tr> <td>Temperature range</td> <td colspan="2">-25...+85 °C, depending on cable quality</td> </tr> </tbody> </table> | | | Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | Protection | IP4 and IP67 when plugged and screwed down (EN 60529) | | Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP4 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | <table border="1"> <tbody> <tr> <td>The composition of your article number is explained on page 3.1.1</td> <td>7 0 0 0</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>7 0 0 5</td> <td colspan="7">M12 Lite (plastic hexagonal screw) or - request</td> </tr> </tbody> </table> | | | The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | - | - | - | - | - | - | - | | 7 0 0 5 | M12 Lite (plastic hexagonal screw) or - request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 0 0 5 | M12 Lite (plastic hexagonal screw) or - request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

Male
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 12081 | 12101 | 12121 | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | 3-pole | 4-pole | 5-pole | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | <p>(* for cable type 126 and 732)</p> | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 023 | 223 | 623 | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | |
| | 014 | 214 | 614 | | | | | | | | | | | | | | | | | | | | |
| | 024 | 224 | 624 | | | | | | | | | | | | | | | | | | | | |
| | 034 | 234 | 634 | | | | | | | | | | | | | | | | | | | | |
| | 054 | 254 | 654 | | | | | | | | | | | | | | | | | | | | |
| | 015 | 215 | 615 | | | | | | | | | | | | | | | | | | | | |
| | 025 | 225 | 625 | | | | | | | | | | | | | | | | | | | | |
| | 035 (126) | 235 | 635 (732) | | | | | | | | | | | | | | | | | | | | |
| | 055 | 255 | 655 | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 m | 0300 | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 m | 0500 | | | | | | | | | | | | | | | | | | | | | | |
| 7.5 m | 0750 | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 m | 1000 | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 250 V AC/DC | | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | 0 | 0 | 0 | - | - | - | - | - | - | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | - | - | - | - | - | - | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

Male
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 17021 | 17021 | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | 8-pole | 8-pole | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | Jacket Color | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm² | gray | gray | | | | | | | | | | | | | | | | | | | | |
| PUR | 292 | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | | 295 | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | |
| 3.0 m | 0300 | | | | | | | | | | | | | | | | | | | | | |
| 5.0 m | 0500 | | | | | | | | | | | | | | | | | | | | | |
| 7.5 m | 0750 | | | | | | | | | | | | | | | | | | | | | |
| 10.0 m | 1000 | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 30 V AC/DC | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <table border="1"> <tr> <td>7</td> <td>0</td> <td>0</td> <td>0</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>7</td> <td>0</td> <td>0</td> <td>5</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>M12 Lite (plastic hexagonal screw) or request</p> | | 7 | 0 | 0 | 0 | - | - | - | - | - | - | 7 | 0 | 0 | 5 | - | - | - | - | - | - |
| 7 | 0 | 0 | 0 | - | - | - | - | - | - | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | - | - | - | - | - | - | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

Male
90°



Approvals:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|--|---------------------|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|--|--|--|--|--|--|--|--|
| 1 Form | 19021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | 12 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | <p>Male</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm ² | | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | | 301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | | | 702 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC | | | 705 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 m | | 0300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 m | | 0500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.5 m | | 0750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 m | | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | | max. 30 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | | <table border="1"> <tr> <td>7</td><td>0</td><td>0</td><td>0</td> <td>-</td> <td>1</td><td>9</td><td>0</td><td>2</td><td>1</td> <td>-</td> <td>-</td><td>-</td><td>-</td> </tr> <tr> <td>7</td><td>0</td><td>0</td><td>5</td> <td></td> <td colspan="9">M12 Lite (plastic hexagonal screw) on request</td> </tr> </table> | | 7 | 0 | 0 | 0 | - | 1 | 9 | 0 | 2 | 1 | - | - | - | - | 7 | 0 | 0 | 5 | | M12 Lite (plastic hexagonal screw) on request | | | | | | | | |
| 7 | 0 | 0 | 0 | - | 1 | 9 | 0 | 2 | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | | M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|---|---------------------|-----------------------|--|---------------------|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|--|--|--|--|--|--|--|--|--|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|--|--|--|--|--|--|--|--|
| 1 Form | 12181 | me* | 12221 | me* | 12241 | me* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | 3 pole | | 4 pole | | 5 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | Female | | Female | | Female | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | Jacket Color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | 014 | 214 | 614 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 023 | 223 | 623 | 024 | 224 | 624 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | 034 | 234 | 634 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 054 | 254 | 654 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 015 | 215 | 615 | 015 | 215 | 615 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 025 | 225 | 625 | 025 | 225 | 625 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 035 (126) | 235 | 635 (732) | 035 (126) | 235 | 635 (732) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 055 | 255 | 655 | 055 | 255 | 655 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | | 0150 | | | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 m | | 0300 | | | 0300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 m | | 0500 | | | 0500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.5 m | | 0750 | | | 0750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 m | | 1000 | | | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | | max. 250 V AC/DC | | | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | | IP45 and IP67 when plugged and screwed down (EN 60529) | | | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | | -25...+85 °C, depending on cable quality | | | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | | M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 0 | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | | M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 Form | 2 Cable Type | 3 Cable Length | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

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Approvals:
 * only for products with UL/CSA approved cable

| | | |
|---|--|---|
| 1 Form | 17041 | 17041 |
| Type | 8-pole | 8-pole |
| Circuit diagram | <ul style="list-style-type: none"> 1 -> white 2 -> brown 3 -> green 4 -> yellow 5 -> gray 6 -> pink 7 -> blue 8 -> red | <ul style="list-style-type: none"> 1 -> brown 2 -> white 3 -> blue 4 -> black 5 -> gray 6 -> pink 7 -> violet 8 -> orange |
| Contact layout | <p>Female</p> | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm ² | gray | gray |
| PUR | 292 | |
| PUR (UL/CSA) | | 295 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 30 V AC/DC | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | 1 7 0 4 1 |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |

Notes: Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

Female
straight



Approvals:

| | |
|---|---|
| 1 Form | 19041 |
| Type | 12-pole |
| Circuit diagram | <ul style="list-style-type: none"> 1 -> brown 2 -> blue 3 -> white 4 -> green 5 -> pink 6 -> yellow 7 -> black 8 -> gray 9 -> red 10 -> violet 11 -> gray/pink 12 -> red/blue |
| Contact layout | <p>Female</p> |
| 2 Cable Type | Jacket Color |
| Wire diameter 0.25 mm ² | gray |
| PUR (UL/CSA) | 301 |
| Wire diameter 0.14 mm ² | black |
| PVC | |
| PUR (UL/CSA) | 702 |
| | 705 |
| 3 Cable Length | |
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |
| Technical Data | |
| Operating voltage | max. 30 V AC/DC |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |
| Article No. | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 |
| | 1 9 0 4 1 |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request |
| | 1 Form |
| | 2 Cable Type |
| | 3 Cable Length |

Notes: Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 12321 me* | 12341 me* | 12361 me* |
|---|---|--------------|------------------|
| Type | 3-pole | 4-pole | 5-pole |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | | Jacket Color |
| Wire diameter 0.34 mm² | yellow | gray | black |
| PVC (UL/CSA) | 013 | 213 | 613 |
| PUR/PVC | 023 | 223 | 623 |
| PUR (UL/CSA) | 033 | 233 | 633 |
| PUR (UL/CSA) welding spark res. | 053 | 253 | 653 |
| | yellow | gray | black |
| | 014 | 214 | 614 |
| | 024 | 224 | 624 |
| | 034 | 234 | 634 |
| | 054 | 254 | 654 |
| | yellow | gray | black |
| | 015 | 215 | 615 |
| | 025 | 225 | 625 |
| | 035 (126) | 235 | 635 (732) |
| | 055 | 255 | 655 |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 250 V AC/DC | | max. 125 V AC/DC |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |
| Notes | Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps. | | |

M12 ROUND PLUG CONNECTORS

Open ended wires

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 17061 | 17061 |
|---|---|--------------|
| Type | 8-pole | 8-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm² | gray | gray |
| PUR | 292 | |
| PUR (UL/CSA) | | 295 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 30 V AC/DC | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | |
| | 1 Form | 2 Cable Type |
| | 3 Cable Length | |
| Notes | Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps. | |

M12 ROUND PLUG CONNECTORS

Open ended wires

Female
90°



Approvals:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|----------|-------------------|----------|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1 Form | 19061 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | 12 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | <p>Female</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.25 mm ² | | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | | 301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | | | 702 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC | | | 705 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 m | | 0300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 m | | 0500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.5 m | | 0750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 m | | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 30 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <table border="1"> <tr> <td>7</td><td>0</td><td>0</td><td>0</td> <td>-</td> <td>1</td><td>9</td><td>0</td><td>6</td><td>1</td> <td>-</td> <td>-</td><td>-</td><td>-</td> </tr> <tr> <td colspan="14">M12 Lite (plastic hexagonal screw) on request</td> </tr> </table> | | | 7 | 0 | 0 | 0 | - | 1 | 9 | 0 | 6 | 1 | - | - | - | - | M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | |
| 7 | 0 | 0 | 0 | - | 1 | 9 | 0 | 6 | 1 | - | - | - | - | | | | | | | | | | | | | | | | | | |
| M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | Form | 2 | Cable Type | 3 | Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires

- with LED

Female
straight



Approvals:
* only for products with UL/CSA-approved cable

| | | | | | | |
|---|---|-------------|--|---------------------|------------|---------------------|
| 1 Form | 12261 | | 12381 | | meX | |
| Type | 3-pole with 2 × LED (PNP) (NPN) on request | | 3-pole with 2 × LED (PNP) (NPN) on request | | | |
| Circuit diagram | | | | | | |
| Contact layout | <p>Female</p> | | | | | |
| 2 Cable Type | Jacket Color | | | Jacket Color | | |
| Wire diameter 0.34 mm ² | yellow | gray | black | yellow | gray | black |
| PVC (UL/CSA) | 013 | 213 | 613 | 013 | 213 | 613 |
| PUR/PVC | 023 | 223 | 623 | 023 | 223 | 623 |
| PUR (UL/CSA) | 033 | 233 | 633 | 033 | 233 | 633 |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 053 | 253 | 653 |
| 3 Cable Length | | | | | | |
| 1.5 m | | 0150 | | | | |
| 3.0 m | | 0300 | | | | |
| 5.0 m | | 0500 | | | | |
| 7.5 m | | 0750 | | | | |
| 10.0 m | | 1000 | | | | |
| Technical Data | | | | | | |
| Operating voltage | | | 24 V DC ±25 % | | | |
| Protection | | | IP45 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | | | -25...+85 °C, depending on cable quality | | | |
| Article No. | | | | | | |
| The composition of your article number is explained on page 3.1.1 | | | | | | |
| | | | | | | |
| | 1 | Form | 2 | Cable Type | 3 | Cable Length |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- with LED

Female
:straight



Female
90°



Approvals:
* only for products with UL/CSA approved cable

| | | | | | | | |
|--|--|--|------|-----------------------|---------------|------|-------|
| 1 Form | 12281 | me* | | | | | |
| | 4-pole with 2 × LED (PNP) (NPN) on request | | | | | | |
| Circuit diagram | | | | | | | |
| | Contact layout | | | | | | |
| | | | | | | | |
| 2 Cable Type | Jacket Color | | | | | | |
| | Wire diameter 0.34 mm² | yellow | gray | black | yellow | gray | black |
| | PVC (UL/CSA) | 013 | 213 | 613 | 013 | 213 | 613 |
| | PUR/PVC | 023 | 223 | 623 | 023 | 223 | 623 |
| | PUR (UL/CSA) | 033 | 233 | 633 | 033 | 233 | 633 |
| | PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 053 | 253 | 653 |
| 3 Cable Length | | | | | | | |
| | 1.5 m | 0150 | | | | | |
| | 3.0 m | 0300 | | | | | |
| | 5.0 m | 0500 | | | | | |
| | 7.5 m | 0750 | | | | | |
| | 10.0 m | 1000 | | | | | |
| Technical Data | | | | | | | |
| | Operating voltage | 24 V DC ±25 % | | | | | |
| | Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | |
| | Temperature range | -25...+85 °C, depending on cable quality | | | | | |
| Article No. | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | | | | | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | | | | | | |
| 1 Form | | 2 Cable Type | | 3 Cable Length | | | |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- with LED

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| | | | | | | | | | | | | | | | | | | |
|--|---|---------------------|--|----------------------------------|--|--|----------------------------------|---|--|----------------------------------|-----------------------|--|--|--|--|--|--|--|
| 1 Form | 12421 | me* | | | | | | 12441 | me* | | | | | | | | | |
| | 4-pole with 3 × LED (PNP) (NPN) on request | | | | | | | 5-pole with 3 × LED (PNP) (NPN) on request | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | |
| | Contact layout | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | | Jacket Color | | | Jacket Color | | | Jacket Color | | | | | | | | |
| | Wire diameter 0.34 mm² | | | Wire diameter 0.34 mm² | | | Wire diameter 0.34 mm² | | | Wire diameter 0.34 mm² | | | | | | | | |
| | PVC (UL/CSA) | | | PVC (UL/CSA) | | | PVC (UL/CSA) | | | PVC (UL/CSA) | | | | | | | | |
| | PUR/PVC | | | PUR/PVC | | | PUR/PVC | | | PUR/PVC | | | | | | | | |
| | PUR (UL/CSA) | | | PUR (UL/CSA) | | | PUR (UL/CSA) | | | PUR (UL/CSA) | | | | | | | | |
| | PUR (UL/CSA), welding spark res. | | | PUR (UL/CSA), welding spark res. | | | PUR (UL/CSA), welding spark res. | | | PUR (UL/CSA), welding spark res. | | | | | | | | |
| 3 Cable Length | | | | | | | | | | | | | | | | | | |
| | 1.5 m | | | 1.5 m | | | 1.5 m | | | 1.5 m | | | | | | | | |
| | 3.0 m | | | 3.0 m | | | 3.0 m | | | 3.0 m | | | | | | | | |
| | 5.0 m | | | 5.0 m | | | 5.0 m | | | 5.0 m | | | | | | | | |
| | 7.5 m | | | 7.5 m | | | 7.5 m | | | 7.5 m | | | | | | | | |
| | 10.0 m | | | 10.0 m | | | 10.0 m | | | 10.0 m | | | | | | | | |
| Technical Data | | | | | | | | | | | | | | | | | | |
| | Operating voltage | | | Operating voltage | | | Operating voltage | | | Operating voltage | | | | | | | | |
| | 24 V DC ±25 % | | | 24 V DC ±25 % | | | 24 V DC ±25 % | | | 24 V DC ±25 % | | | | | | | | |
| | Protection | | | Protection | | | Protection | | | Protection | | | | | | | | |
| IP67 and IP67 when plugged and screwed down (EN 60529) | | | IP67 and IP67 when plugged and screwed down (EN 60529) | | | IP67 and IP67 when plugged and screwed down (EN 60529) | | | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | |
| Temperature range | | | Temperature range | | | Temperature range | | | Temperature range | | | | | | | | | |
| -25...+85 °C, depending on cable quality | | | -25...+85 °C, depending on cable quality | | | -25...+85 °C, depending on cable quality | | | -25...+85 °C, depending on cable quality | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | | | | | | | | | | | | | | | | | | |
| 7 0 0 0 - - - - - | | | | | | | | | | | | | | | | | | |
| 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | |
| 1 Form | | 2 Cable Type | | 3 Cable Length | | | 1 Form | | 2 Cable Type | | 3 Cable Length | | | | | | | |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
straight



Approvals:

| 1 Form | 13061 | 13081 | 13101 |
|---|--|--------------|----------------|
| Type | 3-pole | 4-pole | 5-pole |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray 317 | gray 330 | gray 348 |
| PVC | | | |
| PUR/PVC | 318 | 331 | 349 |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 60 V AC/DC | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | - | - |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 17081 | 17081 |
|---|--|--------------|
| Type | 8-pole | 8-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm ² | gray 291 | gray 294 |
| PUR, suitable for C-tracks | | |
| PUR (UL/CSA) | | |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 30 V AC/DC | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | - |
| | 1 Form | 2 Cable Type |
| | 3 Cable Length | |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
straight



Approvals:

| | |
|---|--|
| 1 Form | 19301 |
| Type | 12 pole |
| Circuit diagram | |
| Contact layout | |
| 2 Cable Type | Jacket Color |
| Wire diameter 0.14 mm ² | black |
| PVC | 703 |
| PUR (UL/CSA) | 706 |
| 3 Cable Length | |
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |
| Technical Data | |
| Operating voltage | max. 30 V AC/DC |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |
| Article No. | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - 1 9 3 0 1 - |
| | 1 Form 2 Cable Type 3 Cable Length |

Notes: Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
90°



Approvals:

| | | | |
|---|--|--------------|--------------|
| 1 Form | 13121 | 13141 | 13161 |
| Type | 3 pole | 4 pole | 5 pole |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray | gray | gray |
| PVC | 317 | 330 | 348 |
| PUR/PVC | 318 | 331 | 349 |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 60 V AC/DC | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - | - | - |
| | 1 Form 2 Cable Type 3 Cable Length | | |

Notes: Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | | 17101 | | 17101 | |
|---|--------|---|--|--------------|--|
| Type | 8-pole | | | 8-pole | |
| Circuit diagram | | | | | |
| Contact layout | | | | | |
| 2 Cable Type | | Jacket Color | | Jacket Color | |
| Wire diameter 0.25 mm ² | | gray | | gray | |
| PUR, suitable for C-tracks | | 291 | | 294 | |
| PUR (UL/CSA) | | | | | |
| 3 Cable Length | | | | | |
| 1.5 m | | 0150 | | | |
| 3.0 m | | 0300 | | | |
| 5.0 m | | 0500 | | | |
| 7.5 m | | 0750 | | | |
| 10.0 m | | 1000 | | | |
| Technical Data | | | | | |
| Operating voltage | | max. 30 V AC/DC | | | |
| Protection | | IP45 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | | -25...+85 °C, depending on cable quality | | | |
| Article No. | | | | | |
| The composition of your article number is explained on page 3.1.1 | | 7 0 0 0 | | - - - - - | |
| | | 1 Form | | 2 Cable Type | |
| | | 3 Cable Length | | | |
| Notes | | Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps. | | | |

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Male
90°



Approvals:

| 1 Form | | 19321 | |
|---|---------|---|--|
| Type | 12-pole | | |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | | Jacket Color | |
| Wire diameter 0.14 mm ² | | black | |
| PVC | | 703 | |
| PUR (UL/CSA) | | 706 | |
| 3 Cable Length | | | |
| 1.5 m | | 0150 | |
| 3.0 m | | 0300 | |
| 5.0 m | | 0500 | |
| 7.5 m | | 0750 | |
| 10.0 m | | 1000 | |
| Technical Data | | | |
| Operating voltage | | max. 30 V AC/DC | |
| Protection | | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | | -25...+85 °C, depending on cable quality | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | | 7 0 0 0 - 1 9 3 2 1 - - - - | |
| | | 1 Form | |
| | | 2 Cable Type | |
| | | 3 Cable Length | |
| Notes | | Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps. | |

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
straight



Approvals:

| 1 Form | 13181 | 13201 | 13221 |
|---|--|---------------------|-----------------------|
| Type | 3-pole | 4-pole | 5-pole |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray | gray | gray |
| PVC | 317 | 330 | 348 |
| PUR/PVC | 318 | 331 | 349 |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 60 V AC/DC | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
straight



Approvals:

| 1 Form | 17121 | 17121 |
|---|--|-----------------------|
| Type | 8-pole | 8-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm ² | gray | gray |
| PUR, suitable for C-tracks | 291 | |
| PUR (UL/CSA) | | 294 |
| 3 Cable Length | | |
| 1.5 m | 0150 | |
| 3.0 m | 0300 | |
| 5.0 m | 0500 | |
| 7.5 m | 0750 | |
| 10.0 m | 1000 | |
| Technical Data | | |
| Operating voltage | max. 30 V AC/DC | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
:straight



Approvals:

| | |
|---|--|
| 1 Form | 19341 |
| Type | 12 pole |
| Circuit diagram | |
| Contact layout | <p>Female</p> |
| 2 Cable Type | Jacket Color |
| Wire diameter 0.14 mm ² | black |
| PVC | 703 |
| PUR (UL/CSA) | 706 |
| 3 Cable Length | |
| 1.5 m | 0150 |
| 3.0 m | 0300 |
| 5.0 m | 0500 |
| 7.5 m | 0750 |
| 10.0 m | 1000 |
| Technical Data | |
| Operating voltage | max. 30 V AC/DC |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) |
| Temperature range | -25...+85 °C, depending on cable quality |
| Article No. | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - 1 9 3 4 1 - |
| | 1 Form 2 Cable Type 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
90°



Approvals:

| | | | |
|---|--|---------------------|---------------------|
| 1 Form | 13241 | 13261 | 13281 |
| Type | 3 pole | 4 pole | 5 pole |
| Circuit diagram | | | |
| Contact layout | <p>Female</p> | <p>Female</p> | <p>Female</p> |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | gray | gray | gray |
| PVC | 317 | 330 | 348 |
| PUR/PVC | 318 | 331 | 349 |
| 3 Cable Length | | | |
| 1.5 m | 0150 | | |
| 3.0 m | 0300 | | |
| 5.0 m | 0500 | | |
| 7.5 m | 0750 | | |
| 10.0 m | 1000 | | |
| Technical Data | | | |
| Operating voltage | max. 60 V AC/DC | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - | - | - |
| | 1 Form 2 Cable Type 3 Cable Length | | |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
90°



Approvals:

| | | | |
|---|--|---|-----------------------|
| 1 Form | 17141 | 17141 | |
| | Type 8-pole | Type 8-pole | |
| Circuit diagram | | | |
| | Contact layout | Female | |
| 2 Cable Type | Jacket Color | Jacket Color | |
| | Wire diameter 0.25 mm² PUR, suitable for C-tracks PUR (UL/CSA) | gray 291 | gray 294 |
| 3 Cable Length | 1.5 m | 0150 | |
| | 3.0 m | 0300 | |
| | 5.0 m | 0500 | |
| | 7.5 m | 0750 | |
| | 10.0 m | 1000 | |
| | Technical Data | Operating voltage max. 30 V AC/DC Protection IP45 and IP67 when plugged and screwed down (EN 60529) Temperature range -25...+85 °C, depending on cable quality | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Open ended wires
- shielded

Female
90°



Approvals:

| | | | |
|---|---|---|-----------------------|
| 1 Form | 19361 | | |
| | Type 12-pole | | |
| Circuit diagram | | | |
| | Contact layout | Female | |
| 2 Cable Type | Jacket Color | | |
| | Wire diameter 0.14 mm² PVC PUR (UL/CSA) | black 703 706 | |
| 3 Cable Length | 1.5 m | 0150 | |
| | 3.0 m | 0300 | |
| | 5.0 m | 0500 | |
| | 7.5 m | 0750 | |
| | 10.0 m | 1000 | |
| | Technical Data | Operating voltage max. 30 V AC/DC Protection IP45 and IP67 when plugged and screwed down (EN 60529) Temperature range -25...+85 °C, depending on cable quality | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - 1 9 3 6 1 - - - - - | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Male
straight

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40001 me* | 40021 me* | 40041 me* |
|---|--|--------------|------------------|
| Type | 3-pole | 4-pole | 5-pole |
| Circuit diagram | | | |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | | Jacket Color |
| Wire diameter 0.34 mm ² | yellow | gray | black |
| PVC (UL/CSA) | 013 | 213 | 613 |
| PUR/PVC | 023 | 223 | 623 |
| PUR (UL/CSA) | 033 | 233 | 633 |
| PUR (UL/CSA) welding spark res. | 053 | 253 | 653 |
| | 014 | 214 | 614 |
| | 024 | 224 | 624 |
| | 034 | 234 | 634 |
| | 054 | 254 | 654 |
| | 015 | 215 | 615 |
| | 025 | 225 | 625 |
| | 035 (126) | 235 | 635 (732) |
| | 055 | 255 | 655 |
| 3 Cable Length | | | |
| 0.3 m | 0030 | | |
| 0.6 m | 0060 | | |
| 1.0 m | 0100 | | |
| 1.5 m | 0150 | | |
| 2.0 m | 0200 | | |
| Technical Data | | | |
| Operating voltage | max. 250 V AC/DC | | max. 125 V AC/DC |
| Protection | IP43 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Male
straight

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 48001 | 48001 |
|---|--|--------------|
| Type | 8-pole | 8-pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm ² | gray | gray |
| PUR | 292 | |
| PUR (UL/CSA) | | 295 |
| 3 Cable Length | | |
| 0.3 m | 0030 | |
| 0.6 m | 0060 | |
| 1.0 m | 0100 | |
| 1.5 m | 0150 | |
| 2.0 m | 0200 | |
| Technical Data | | |
| Operating voltage | max. 30 V AC/DC | |
| Protection | IP43 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | |
| | 1 Form | 2 Cable Type |
| | 3 Cable Length | |

Notes

Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12



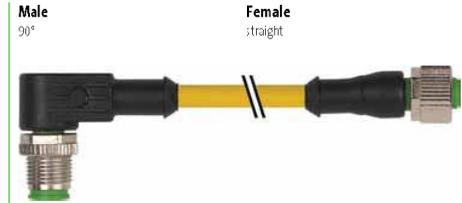
Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40101 | me* | 40121 | me* | 40141 | me* | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|----------------|------------------|--------------|-----------|-------|------|-------|------|-------|------|-------|------|-------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | 3-pole | | 4-pole | | 5-pole | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | Jacket Color | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm² | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | 014 | 214 | 614 | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 023 | 223 | 623 | 024 | 224 | 624 | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | 034 | 234 | 634 | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 054 | 254 | 654 | | | | | | | | | | | | | | | | | | | | | | |
| 035 (126) | | | | 035 (126) | 235 | 635 (732) | | | | | | | | | | | | | | | | | | | | | | |
| 055 | | | | 055 | 255 | 655 | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </table> | | | | | | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | max. 250 V AC/DC | | | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | <table border="1"> <tr><td>7</td><td>0</td><td>0</td><td>0</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>0</td><td>0</td><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table> | | | | | | 7 | 0 | 0 | 0 | - | - | - | - | - | - | - | 7 | 0 | 0 | 5 | - | - | - | - | - | - | - |
| 7 | 0 | 0 | 0 | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes: Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40171 | 40201 | 40221 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|----------------|------------------|------|-----------|-------|------|-------|------|-------|------|-------|------|-------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | 3-pole | | 5-pole | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm² | yellow | gray | black | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | 014 | 214 | 614 | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 023 | 223 | 623 | 024 | 224 | 624 | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | 034 | 234 | 634 | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | 054 | 254 | 654 | | | | | | | | | | | | | | | | | | | | | | |
| 035 (126) | | | | 035 (126) | 235 | 635 (732) | | | | | | | | | | | | | | | | | | | | | | |
| 055 | | | | 055 | 255 | 655 | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </table> | | | | | | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | max. 250 V AC/DC | | | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | <table border="1"> <tr><td>7</td><td>0</td><td>0</td><td>0</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>0</td><td>0</td><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table> | | | | | | 7 | 0 | 0 | 0 | - | - | - | - | - | - | - | 7 | 0 | 0 | 5 | - | - | - | - | - | - | - |
| 7 | 0 | 0 | 0 | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 5 | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | M12 Lite (plastic hexagonal screw) or request | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | |

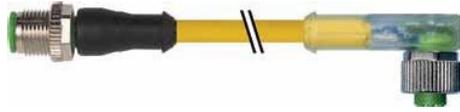
Notes: Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Male
straight

Female
90° with LLD



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40321 me* | 40341 me* | 40361 me* |
|---|--|---|---|
| Type | 3-pole with 2 × LED (PNP) (NPN) on request | 4-pole with 3 × LED (PNP) (NPN) on request | 5-pole with 3 × LED (PNP) (NPN) on request |
| Circuit diagram | | | (* for cable type 126 and 732) |
| Contact layout | | | |
| 2 Cable Type | Jacket Color | Jacket Color | Jacket Color |
| Wire diameter 0.34 mm ² | yellow gray black | yellow gray black | yellow gray black |
| PVC (UL/CSA) | 013 213 613 | 014 214 614 | 015 215 615 |
| PUR/PVC | 023 223 623 | 024 224 624 | 025 225 625 |
| PUR (UL/CSA) | 033 233 633 | 034 234 634 | 035 (126) 235 635 (732) |
| PUR (UL/CSA), welding spark res. | 053 253 653 | 054 254 654 | 055 255 655 |
| 3 Cable Length | | | |
| 0.3 m | 0030 | | |
| 0.6 m | 0060 | | |
| 1.0 m | 0100 | | |
| 1.5 m | 0150 | | |
| 2.0 m | 0200 | | |
| Technical Data | | | |
| Operating voltage | 24 V DC ±25 % | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | |
| Temperature range | -25...+85 °C, depending on cable quality | | |
| Article No. | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | | |
| | 1 Form | 2 Cable Type | 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Male
straight

Female
90° with LLD



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40381 | |
|---|--|-----------------------|
| Type | 3-pole with 2 × LED (PNP) (NPN) on request | |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | |
| Wire diameter 0.34 mm ² | yellow gray black | |
| PVC (UL/CSA) | 013 213 613 | |
| PUR/PVC | 023 223 623 | |
| PUR (UL/CSA) | 033 233 633 | |
| PUR (UL/CSA), welding spark res. | 053 253 653 | |
| 3 Cable Length | | |
| 0.3 m | 0030 | |
| 0.6 m | 0060 | |
| 1.0 m | 0100 | |
| 1.5 m | 0150 | |
| 2.0 m | 0200 | |
| Technical Data | | |
| Operating voltage | 24 V DC ±25 % | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - 4 0 3 8 1 - - - - - | |
| | 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |

Notes
Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Y connector
Male straight

Females
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 4 0 7 0 1 | 4 0 7 2 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|---|------------------------|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|
| Type | 4 pole | 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | Y-Male Females | Y-Male Females | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Wire diameter 0.34 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 073 | 273 | 673 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 073 | 273 | 673 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Article No. | 7 0 0 0 - - - - - 7 0 0 5 M12 Lite (plastic hexagonal screw) on request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | 1 Form 2 Cable Type 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Y connector
Male straight

Females
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 4 0 7 4 1 | 4 0 7 6 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|---|------------------------|--------|------|-------|--------------|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|----------------------------------|-----|-----|-----|
| Type | 4 pole | 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Wire diameter 0.34 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 073 | 273 | 673 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm² | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 073 | 273 | 673 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA), welding spark res. | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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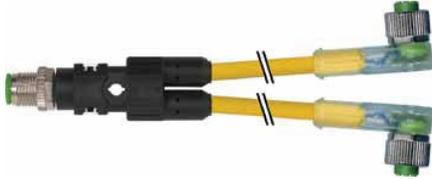
Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12

Y connector
Male straight

Females
90° w/H LLD



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40781 | 40801 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|--------------------------|--------------|--|--|--|------|--------------|------|---|-------|---------|-------|------|-------|--------------|-------|------|-------|--|--------------|--------|------|-------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|--------------|-----|-----|-----|
| Type | 4-pole with 2 × LED (PNP) (NPN) on request | 4-pole with 2 × LED (PNP) (NPN) on request | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y-Male | Females | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Jacket Color | yellow | gray | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC (UL/CSA) | 023 | 223 | 623 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Wire diameter 0.34 mm ² | 013 | 213 | 613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC | 023 | 223 | 623 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | 033 | 233 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR (UL/CSA) | 053 | 253 | 653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </tbody> </table> | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </tbody> </table> | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Article No. | <table border="1"> <tbody> <tr> <td>The composition of your article number is explained on page 3.1.1</td> <td><u>7 0 0 0</u> - - - - -</td> <td>- - - - -</td> </tr> <tr> <td></td> <td><u>7 0 0 5</u> M12 Lite (plastic hexagonal screw) on request</td> <td>- - - - -</td> </tr> </tbody> </table> | | The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - | - - - - - | | <u>7 0 0 5</u> M12 Lite (plastic hexagonal screw) on request | - - - - - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M12
- shielded

Male
straight

Female
straight



Approvals:

| 1 Form | 40481 | 40501 | 40521 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------|----------------|---|------------------------------------|---|--|-------------------|--|-------|---|---|---------------|------|-------|------|--|--------------|-------|-------|------------------------------------|------|---|-------|------|-------|---------|-------|---------------|-------|------|-------|--|--------------|------|------------------------------------|-----|-----|-----|---------|--|-----|--|
| Type | 3-pole | 4-pole | 5-pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | <table border="0"> <tr> <td>Male</td> <td>Female</td> </tr> <tr> <td></td> <td></td> </tr> </table> | Male | Female | | | <table border="0"> <tr> <td>Male</td> <td>Female</td> </tr> <tr> <td></td> <td></td> </tr> </table> | Male | Female | | | <table border="0"> <tr> <td>Male</td> <td>Female</td> </tr> <tr> <td></td> <td></td> </tr> </table> | Male | Female | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Male | Female | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Male | Female | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Male | Female | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Cable Type | <table border="1"> <thead> <tr> <th>Jacket Color</th> <th>gray</th> <th>green</th> </tr> </thead> <tbody> <tr> <td>Wire diameter 0.34 mm²</td> <td>317</td> <td>330</td> </tr> <tr> <td>PVC</td> <td>318</td> <td>331</td> </tr> <tr> <td>PUR/PVC</td> <td></td> <td>820 - DESINA*</td> </tr> <tr> <td>PUR</td> <td></td> <td></td> </tr> </tbody> </table> | Jacket Color | gray | green | Wire diameter 0.34 mm ² | 317 | 330 | PVC | 318 | 331 | PUR/PVC | | 820 - DESINA* | PUR | | | <table border="1"> <thead> <tr> <th>Jacket Color</th> <th>gray</th> <th>green</th> </tr> </thead> <tbody> <tr> <td>Wire diameter 0.34 mm²</td> <td>317</td> <td>330</td> </tr> <tr> <td>PVC</td> <td>318</td> <td>331</td> </tr> <tr> <td>PUR/PVC</td> <td></td> <td>820 - DESINA*</td> </tr> <tr> <td>PUR</td> <td></td> <td></td> </tr> </tbody> </table> | Jacket Color | gray | green | Wire diameter 0.34 mm ² | 317 | 330 | PVC | 318 | 331 | PUR/PVC | | 820 - DESINA* | PUR | | | <table border="1"> <thead> <tr> <th>Jacket Color</th> <th>gray</th> </tr> </thead> <tbody> <tr> <td>Wire diameter 0.34 mm²</td> <td>348</td> </tr> <tr> <td>PVC</td> <td>349</td> </tr> <tr> <td>PUR/PVC</td> <td></td> </tr> <tr> <td>PUR</td> <td></td> </tr> </tbody> </table> | Jacket Color | gray | Wire diameter 0.34 mm ² | 348 | PVC | 349 | PUR/PVC | | PUR | |
| Jacket Color | gray | green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | 317 | 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC | 318 | 331 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | | 820 - DESINA* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jacket Color | gray | green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | 317 | 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC | 318 | 331 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | | 820 - DESINA* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jacket Color | gray | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire diameter 0.34 mm ² | 348 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PVC | 349 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR/PVC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Cable Length | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </tbody> </table> | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </tbody> </table> | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | <table border="1"> <tbody> <tr><td>0.3 m</td><td>0030</td></tr> <tr><td>0.6 m</td><td>0060</td></tr> <tr><td>1.0 m</td><td>0100</td></tr> <tr><td>1.5 m</td><td>0150</td></tr> <tr><td>2.0 m</td><td>0200</td></tr> </tbody> </table> | 0.3 m | 0030 | 0.6 m | 0060 | 1.0 m | 0100 | 1.5 m | 0150 | 2.0 m | 0200 | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 m | 0030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.6 m | 0060 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 m | 0100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 m | 0150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 m | 0200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tbody> <tr><td>Operating voltage</td><td>max. 60 V AC/DC</td></tr> <tr><td>Protection</td><td>IP65 and IP67 when plugged and screwed down (EN 60529)</td></tr> <tr><td>temperature range</td><td>-25...+85 °C, depending on cable quality</td></tr> </tbody> </table> | | | Operating voltage | max. 60 V AC/DC | Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating voltage | max. 60 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| temperature range | -25...+85 °C, depending on cable quality | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | <table border="1"> <tbody> <tr> <td>The composition of your article number is explained on page 3.1.1</td> <td><u>7 0 0 0</u> - - - - -</td> <td>- - - - -</td> </tr> </tbody> </table> | | | The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - | - - - - - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - | - - - - - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notes | <table border="1"> <tbody> <tr> <td>Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.</td> <td>1 Form</td> <td>2 Cable Type</td> <td>3 Cable Length</td> </tr> </tbody> </table> | | | Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps. | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps. | 1 Form | 2 Cable Type | 3 Cable Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

M12 ROUND PLUG CONNECTORS

Connection cables

– M12 - M12

– shielded

Male
straight

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 4 8 0 4 1 | 4 8 0 4 1 |
|---|--|----------------|
| Type | 8 pole | 8 pole |
| Circuit diagram | | |
| Contact layout | | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm ² | gray | gray |
| PUR, suitable for C tracks | 291 | |
| PUR (UL/CSA) | | 294 |
| 3 Cable Length | | |
| 0.3 m | 0030 | |
| 0.6 m | 0060 | |
| 1.0 m | 0100 | |
| 1.5 m | 0150 | |
| 2.0 m | 0200 | |
| Technical Data | | |
| Operating voltage | max. 30 V AC/DC | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables

– M12 - M8

Male
straight

Female
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 4 0 5 6 1 | me* | 4 0 5 8 1 | me* |
|---|--|--------------|--|-----------|
| Type | 3 pole | | 4 pole | |
| Circuit diagram | | | | |
| Contact layout | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | |
| Wire diameter 0.25 mm ² | yellow | gray | black | yellow |
| PVC (UL/CSA) | 010 | 210 | 610 | 011 |
| PUR/PVC | 020 | 220 | 620 | 021 |
| PUR (UL/CSA) | 030 | 230 | 630 | 031 |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 |
| 3 Cable Length | | | | |
| 0.3 m | 0030 | | | |
| 0.6 m | 0060 | | | |
| 1.0 m | 0100 | | | |
| 1.5 m | 0150 | | | |
| 2.0 m | 0200 | | | |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | | max. 30 V AC/DC | |
| Protection | IP45 and IP67 when plugged and screwed down (EN 60529) | | IP45 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | | -25...+85 °C, depending on cable quality | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - | - - - - - | - - - - - |
| | 1 Form | 2 Cable Type | 3 Cable Length | |

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M8

Male
straight

Female
90°



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40601 | me* | 40621 | me* |
|---|--------------------------|--------------|--|--------|
| Type | 3-pole | | 4-pole | |
| Circuit diagram | | | | |
| Contact layout | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | |
| Wire diameter 0.25 mm² | yellow | gray | black | yellow |
| PVC (UL/CSA) | 010 | 210 | 610 | 011 |
| PUR/PVC | 020 | 220 | 620 | 021 |
| PUR (UL/CSA) | 030 | 230 | 630 | 031 |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 051 |
| 3 Cable Length | 0.3 m | 0030 | | |
| | 0.6 m | 0060 | | |
| | 1.0 m | 0100 | | |
| | 1.5 m | 0150 | | |
| | 2.0 m | 0200 | | |
| Technical Data | Operating voltage | | max. 60 V AC/DC | |
| | Protection | | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| | Temperature range | | -25...+85 °C, depending on cable quality | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M8

Male
straight

Female
90° with LED

Y connector
Male straight

Females
straight



Approvals:
* only for products with UL/CSA approved cable

| 1 Form | 40641 | me* | 40821 | |
|---|--|--------------|--|--------|
| Type | 3-pole with 2 x LED (PNP) (NPN) on request | | 4-pole | |
| Circuit diagram | | | | |
| Contact layout | | | | |
| 2 Cable Type | Jacket Color | | Jacket Color | |
| Wire diameter 0.25 mm² | yellow | gray | black | yellow |
| PVC (UL/CSA) | 010 | 210 | 610 | 010 |
| PUR/PVC | 020 | 220 | 620 | 020 |
| PUR (UL/CSA) | 030 | 230 | 630 | 030 |
| PUR (UL/CSA), welding spark res. | 050 | 250 | 650 | 050 |
| 3 Cable Length | 0.3 m | 0030 | | |
| | 0.6 m | 0060 | | |
| | 1.0 m | 0100 | | |
| | 1.5 m | 0150 | | |
| | 2.0 m | 0200 | | |
| Technical Data | Operating voltage | | 24 V DC ±25 % | |
| | Protection | | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| | Temperature range | | -25...+85 °C, depending on cable quality | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - | | | |
| | 1 Form | 2 Cable Type | 3 Cable Length | |

Notes
Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS

Connection cables
- M12 - M8

Y connector
Male straight

Females
90°



Y connector
Male straight

Females
90° with LED



Approvals:
* only for products with UL/CSA approved cable

| | | |
|---|--|---|
| 1 Form | 40841 | 40861 |
| Type | 4-pole | 4-pole with 2 x LED (PNP) (NPN) on request |
| Circuit diagram | | |
| Contact layout | <p>Y-Male Females</p> | |
| 2 Cable Type | Jacket Color | Jacket Color |
| Wire diameter 0.25 mm ² | yellow gray black | yellow gray black |
| PVC (UL/CSA) | 010 210 610 | 010 210 610 |
| PUR/PVC | 020 220 620 | 020 220 620 |
| PUR (UL/CSA) | 030 230 630 | 030 230 630 |
| PUR (UL/CSA), welding spark res. | 050 250 650 | 050 250 650 |
| 3 Cable Length | | |
| 0.3 m | 0030 | |
| 0.6 m | 0060 | |
| 1.0 m | 0100 | |
| 1.5 m | 0150 | |
| 2.0 m | 0200 | |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | 24 V DC ±25 % |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C, depending on cable quality | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - |
| | 1 Form | 2 Cable Type |
| | | 3 Cable Length |

Notes: Other versions on request. Differing cable lengths up to 7 m can be ordered in 0.7 m steps, from 7 m on in 0.5 m steps.

M12 ROUND PLUG CONNECTORS



Field-wireable

- Insulation displacement technology

Male
straight



Female
straight



Approvals:

| | | | | |
|---|---|---|------------------|------------------|
| 1 Form | 12461 me* | 12481 me* | 12581 me* | 12601 me* |
| Type | 3-pole | 4-pole | 3-pole | 4-pole |
| Circuit diagram | | | | |
| Connection cross section | 0.25...0.5 mm ² | | | |
| Contact layout | <p>Male</p> | <p>Male</p> | <p>Female</p> | <p>Female</p> |
| Technical Data | | | | |
| Operating voltage | max. 37 V AC/DC | | | |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | 0.25...0.5 mm ² (conductor diameter min. 0.1 mm) | | | |
| Sealing range (cable diameter) | 4...5.1 mm | | | |
| Wire isolation | PVC, PP, TPE | | | |
| Outer wire diameter | 1.7...1.6 mm | | | |
| Locking of parts | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 - - - - - | - - - - - | 0 0 0 | 0 0 0 0 |
| | 7 0 0 5 | M12 Lite (plastic hexagonal screw) on request | | |
| | 1 Form | | | |

Notes: Other versions on request.

M12 ROUND PLUG CONNECTORS

Field-wireable
– Insulation displacement
technology

Male
straight, compact



Female
straight, compact



Approvals:

| 1 Form | 12491 me* | 12611 me* |
|---|--|------------|
| Type | 4-pole | 4-pole |
| Circuit diagram | | |
| Connection cross section | 0.14...0.34 mm ² | |
| Contact layout | Male | Female |
| Technical Data | | |
| Operating voltage | max. 32 V AC/DC | |
| Operating current per contact | max. 4 A | |
| Connection cross section | 0.14...0.34 mm ² (conductor diameter min. 0.1 mm) | |
| Sealing range (cable diameter) | 2.9...5.1 mm | |
| Wire isolation | PVC, PP, TPE | |
| Outer wire diameter | 1.0...1.6 mm | |
| Locking of parts | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-sealing | |
| Protector | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - <u>0 0 0</u> <u>0 0 0 0</u> | |
| | 1 Form | |
| Notes | | |
| | Other versions on request. | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Insulation displacement
technology

Male
90°



Female
90°



Approvals:

| 1 Form | 12541 me* | 12561 me* | 12661 me* | 12681 me* |
|---|--|-----------|------------|-----------|
| Type | 3-pole | 4-pole | 3-pole | 4-pole |
| Circuit diagram | | | | |
| Connection cross section | 0.25...0.5 mm ² | | | |
| Contact layout | Male | Male | Female | |
| Technical Data | | | | |
| Operating voltage | max. 32 V AC/DC | | | |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | 0.25...0.5 mm ² (conductor diameter min. 0.1 mm) | | | |
| Sealing range (cable diameter) | 4...5.1 mm | | | |
| Wire isolation | PVC, PP, TPE | | | |
| Outer wire diameter | 1.2...1.6 mm | | | |
| Locking of parts | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-sealing | | | |
| Protector | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - <u>0 0 0</u> <u>0 0 0 0</u> | | | |
| | <u>7 0 0 5</u> M12 Lite (plastic hexagonal screw) or request | | | |
| | 1 Form | | | |
| Notes | | | | |
| | Other versions on request. | | | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Insulation displacement
technology

Female
90° with LED



Approvals:

| 1 Form | 12671 | me* | 12691 | me* |
|---|---|-----|---|-----|
| Type | 3-pole with 2 × LED (PNP) | | 4-pole with 3 × LED (PNP) | |
| Circuit diagram | | | | |
| Connection cross section | 0.25...0.5 mm ² | | | |
| Contact layout | Female | | Female | |
| Technical Data | | | | |
| Operating voltage | 74 V DC ±75 % | | | |
| Operating current per contact | max 4 A | | | |
| Connection cross section | 0.25...0.5 mm ² (conductor diameter min. 0.1 mm) | | | |
| Sealing range (cable diameter) | 4...5.1 mm | | | |
| Wire isolation | PVC, PP, TPE | | | |
| Outer wire diameter | 1.7...1.6 mm | | | |
| Locking of parts | Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | | 0 0 0 | |
| | 7 0 0 5 | | M12 Lite (plastic hexagonal screw) on request | |
| | 1 Form | | | |
| Notes | Other versions on request. | | | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Insulation displacement
technology

Male
straight



Approvals:

| 1 Form | 12501 | me* | 12521 | me* | 12515 | me* |
|---|---|-----|---|-----|----------|-----|
| Type | 3-pole | | 4-pole | | 4-pole | |
| Circuit diagram | | | | | | |
| Connection cross section | 0.5...1.0 mm ² | | | | | |
| Contact layout | Male | | Male | | Male | |
| Technical Data | | | | | | |
| Operating voltage | max. 37 V AC / DC | | | | | |
| Operating current per contact | max 4 A | | | | | |
| Connection cross section | 0.5...1.0 mm ² (conductor diameter min. 0.1 mm) | | | | | |
| Sealing range (cable diameter) | 5.5...8 mm | | | | | |
| Wire isolation | PVC, PP, TPE | | | | | |
| Outer wire diameter | 1.6...2.0 mm | | | | | |
| Locking of parts | Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing | | | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | |
| Temperature range | -25...+85 °C | | | | | |
| Article No. | | | | | | |
| The composition of your article number is explained on page 3.1.1 | 7 0 0 0 | | 0 0 0 | | 0 0 0 0 | |
| | 7 0 0 5 | | M12 Lite (plastic hexagonal screw) or request | | | |
| | 1 Form | | | | | |
| Notes | Other versions on request. | | | | | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Insulation displacement
technology

Female
straight



Approvals:

| 1 Form | 12621 me* | 12641 me* |
|---|---|-----------|
| Type | 3-pole | 4-pole |
| Circuit diagram | | |
| Connection cross section | 0.5...1.0 mm ² | |
| Contact layout | | |
| Technical Data | | |
| Operating voltage | max. 32 V AC/DC | |
| Operating current per contact | max. 4 A | |
| Connection cross section | 0.5...1.0 mm ² (conductor diameter min. 0.1 mm) | |
| Sealing range (cable diameter) | 5.5...8 mm | |
| Wire isolation | PVC, PP, TPE | |
| Outer wire diameter | 1.6...2.0 mm | |
| Locking of parts | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | |
| Temperature range | -25...+85 °C | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - <u>0 0 0</u> <u>0 0 0 0</u> | |
| | <u>7 0 0 5</u> M12 Lite (plastic hexagonal screw) on request | |
| | 1 Form | |
| Notes | | |
| | Other versions on request. | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminals

Male
straight



Female
straight



Approvals:

| 1 Form | 12701 me* | 12721 me* | 12901 me* | 12921 me* |
|---|---|------------------|------------------|------------------|
| Type | 4-pole | 5-pole | 4-pole | 5-pole |
| Circuit diagram | | | | |
| Sealing range (cable diameter) | 4...6 mm | | | |
| Contact layout | | | | |
| Technical Data | | | | |
| Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | max. 0.75 mm ² | | | |
| Sealing range (cable diameter) | 4...6 mm | | | |
| Locking of parts | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7 0 0 0</u> - - - - - <u>0 0 0</u> <u>0 0 0 0</u> | | | |
| | 1 Form | | | |
| Notes | | | | |
| | Other versions on request. | | | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminals

Male
straight



Female
straight



Approvals:

| 1 Form | 12741 me* | 12761 me* | 12941 me* | 12961 me* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------|------------------|----------------------------|-------------------------------------|------------------|------------------|------------------|------------------|-------------------------------|----------|--|--|--|--------------------------|---------------------------|--|--|--|--------------------------------|---------|--|--|--|------------------|---|--|--|--|------------|--|--|--|--|-------------------|--------------|--|--|--|
| Type | 4-pole | 5-pole | 4-pole | 5-pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tr> <td>Operating voltage</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> </tr> <tr> <td>Operating current per contact</td> <td colspan="4">max. 4 A</td> </tr> <tr> <td>Connection cross section</td> <td colspan="4">max. 0.75 mm²</td> </tr> <tr> <td>Sealing range (cable diameter)</td> <td colspan="4">6..8 mm</td> </tr> <tr> <td>Locking of ports</td> <td colspan="4">Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing</td> </tr> <tr> <td>Protection</td> <td colspan="4">IP67 and IP67 when plugged and screwed down (EN 60529)</td> </tr> <tr> <td>Temperature range</td> <td colspan="4">-25...+85 °C</td> </tr> </table> | | | | Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC | Operating current per contact | max. 4 A | | | | Connection cross section | max. 0.75 mm ² | | | | Sealing range (cable diameter) | 6..8 mm | | | | Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | Temperature range | -25...+85 °C | | | |
| Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating current per contact | max. 4 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection cross section | max. 0.75 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request.

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminals

Male
straight



Female
straight



Approvals:

| 1 Form | 17301 me* | 17321 me* | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------|-------------------|----------------------------|-------------------------------------|-------------------------------|----------|--|--------------------------|--------------------------|--|--------------------------------|---------|--|------------------|---|--|------------|--|--|-------------------|--------------|--|
| Type | 8-pole | 8-pole | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tr> <td>Operating voltage</td> <td colspan="2">max. 60 V AC/DC</td> </tr> <tr> <td>Operating current per contact</td> <td colspan="2">max. 2 A</td> </tr> <tr> <td>Connection cross section</td> <td colspan="2">max. 0.5 mm²</td> </tr> <tr> <td>Sealing range (cable diameter)</td> <td colspan="2">6..8 mm</td> </tr> <tr> <td>Locking of ports</td> <td colspan="2">Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing</td> </tr> <tr> <td>Protection</td> <td colspan="2">IP67 and IP67 when plugged and screwed down (EN 60529)</td> </tr> <tr> <td>Temperature range</td> <td colspan="2">-25...+85 °C</td> </tr> </table> | | Operating voltage | max. 60 V AC/DC | | Operating current per contact | max. 2 A | | Connection cross section | max. 0.5 mm ² | | Sealing range (cable diameter) | 6..8 mm | | Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | Temperature range | -25...+85 °C | |
| Operating voltage | max. 60 V AC/DC | | | | | | | | | | | | | | | | | | | | | | |
| Operating current per contact | max. 2 A | | | | | | | | | | | | | | | | | | | | | | |
| Connection cross section | max. 0.5 mm ² | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | | | | | | | | | | | | | | | | | | | | |
| Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> | | | | | | | | | | | | | | | | | | |
| | 1 Form | | | | | | | | | | | | | | | | | | | | | | |

Notes

Other versions on request.

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminalsMale
90°Female
90°

Approvals:

| 1 Form | 12821 me* | 12841 me* | 12981 me* | 13001 me* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|-------------------------------|----------|---|---|---|--------------------------|---------------------------|---|---|---|--------------------------------|---------|--|--|--|------------------|---|--|--|--|------------|--|--|--|--|-------------------|--------------|--|--|--|
| Type | 4-pole | 5-pole | 4-pole | 5-pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 4..6 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tr> <td>Operating voltage</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> </tr> <tr> <td>Operating current per contact</td> <td colspan="4">max. 4 A</td> </tr> <tr> <td>Connection cross section</td> <td colspan="4">max. 0.75 mm²</td> </tr> <tr> <td>Sealing range (cable diameter)</td> <td colspan="4">4..6 mm</td> </tr> <tr> <td>Locking of ports</td> <td colspan="4">Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing</td> </tr> <tr> <td>Protection</td> <td colspan="4">IP67 and IP67 when plugged and screwed down (EN 60529)</td> </tr> <tr> <td>Temperature range</td> <td colspan="4">-25...+85 °C</td> </tr> </table> | | | | Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC | Operating current per contact | max. 4 A | | | | Connection cross section | max. 0.75 mm ² | | | | Sealing range (cable diameter) | 4..6 mm | | | | Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | Temperature range | -25...+85 °C | | | |
| Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating current per contact | max. 4 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection cross section | max. 0.75 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 4..6 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <table border="1"> <tr> <td>7</td><td>0</td><td>0</td><td>0</td><td>-</td><td>-</td><td>-</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table> | | | | 7 | 0 | 0 | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notes | Other versions on request. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminalsMale
90°Female
90°

Approvals:

| 1 Form | 12861 me* | 12881 me* | 13021 me* | 13041 me* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|-------------------------------|----------|---|---|---|--------------------------|---------------------------|---|---|---|--------------------------------|---------|--|--|--|------------------|---|--|--|--|------------|--|--|--|--|-------------------|--------------|--|--|--|
| Type | 4-pole | 5-pole | 4-pole | 5-pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Circuit diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact layout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Data | <table border="1"> <tr> <td>Operating voltage</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> <td>max. 250 V AC/DC</td> <td>max. 125 V AC/DC</td> </tr> <tr> <td>Operating current per contact</td> <td colspan="4">max. 4 A</td> </tr> <tr> <td>Connection cross section</td> <td colspan="4">max. 0.75 mm²</td> </tr> <tr> <td>Sealing range (cable diameter)</td> <td colspan="4">6..8 mm</td> </tr> <tr> <td>Locking of ports</td> <td colspan="4">Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing</td> </tr> <tr> <td>Protection</td> <td colspan="4">IP67 and IP67 when plugged and screwed down (EN 60529)</td> </tr> <tr> <td>Temperature range</td> <td colspan="4">-25...+85 °C</td> </tr> </table> | | | | Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC | Operating current per contact | max. 4 A | | | | Connection cross section | max. 0.75 mm ² | | | | Sealing range (cable diameter) | 6..8 mm | | | | Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | Temperature range | -25...+85 °C | | | |
| Operating voltage | max. 250 V AC/DC | max. 125 V AC/DC | max. 250 V AC/DC | max. 125 V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating current per contact | max. 4 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection cross section | max. 0.75 mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature range | -25...+85 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Article No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The composition of your article number is explained on page 3.1.1 | <table border="1"> <tr> <td>7</td><td>0</td><td>0</td><td>0</td><td>-</td><td>-</td><td>-</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table> | | | | 7 | 0 | 0 | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 0 | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 Form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notes | Other versions on request. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminals

Male
90°



Female
90°



Approvals:

| | | | | |
|---|---|------------|----------------------------|-------------------------------------|
| 1 Form | 17311 | me* | 17331 | me* |
| Type | 8-pole | | 8-pole | |
| Circuit diagram | | | | |
| Sealing range (cable diameter) | 6..8 mm | | | |
| Contact layout | <p>Male</p> | | <p>Female</p> | |
| Technical Data | | | | |
| Operating voltage | max. 60 V AC/DC | | | |
| Operating current per contact | max. 2 A | | | |
| Connection cross section | max. 0.5 mm ² | | | |
| Sealing range (cable diameter) | 6..8 mm | | | |
| Locking of ports | Screw thread M12 x 1 mm (recommended torque 0.6 Nm) self-securing | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | |

Notes

Other versions on request.

M12 ROUND PLUG CONNECTORS

Field-wireable
– Screw terminals

Y connector
Male straight



Approvals:

| | | | | |
|---|--|------------|----------------------------|-------------------------------------|
| 1 Form | 12781 | me* | 12801 | me* |
| Type | 4-pole | | 5-pole | |
| Circuit diagram | | | | |
| Sealing range (cable diameter) | 2.1...3/4...5 mm | | | |
| Contact layout | <p>Male</p> | | <p>Male</p> | |
| Technical Data | | | | |
| Operating voltage | max. 250 V AC/DC | | max. 125 V AC/DC | |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | max. 0.75 mm ² | | | |
| Sealing range (cable diameter) | 2.1...3/4...5 mm (2 cable entries) | | | |
| Protection | IP67 and IP67 when plugged and screwed down (EN 60529) | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | |

Notes

Other versions on request.

M12 ROUND PLUG CONNECTORS

- Field-wireable
 – Screw terminals
 – shielded

Approvals:

Male
 straight



Female
 straight



| 1 Form | 13301 | 13321 | 13381 | 13401 |
|---|--|---------|------------|-------------------------------------|
| Type | 5-pole | 5-pole | 5-pole | 5-pole |
| Circuit diagram | | | | |
| Sealing range (cable diameter) | 4..6 mm | 6..8 mm | 4..6 mm | 6..8 mm |
| Contact layout | Male | | Female | |
| Technical Data | | | | |
| Operating voltage | max. 125 V AC/DC | | | |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | max. 0.75 mm ² | | | |
| Sealing range (cable diameter) | 4..6 mm | 6..8 mm | 4..6 mm | 6..8 mm |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Housing | CuZn, nickel plated | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | |

Notes
 Other versions on request.

M12 ROUND PLUG CONNECTORS

- Field-wireable
 – Screw terminals
 – shielded

Approvals:

Male
 straight



Female
 straight



| 1 Form | 17341 | 17361 |
|---|--|-------------------------------------|
| Type | 8-pole | 8-pole |
| Circuit diagram | | |
| Sealing range (cable diameter) | 6..8 mm | |
| Contact layout | Male | Female |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | |
| Operating current per contact | max. 2 A | |
| Connection cross section | max. 0.5 mm ² | |
| Sealing range (cable diameter) | 6..8 mm | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Housing | CuZn, nickel plated | |
| Temperature range | -25...+85 °C | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | |

Notes
 Other versions on request.

M12 ROUND PLUG CONNECTORS

- Field-wireable
 – Screw terminals
 – shielded

Approvals:

Male
 90°



Female
 90°



| 1 Form | 13341 | 13361 | 13421 | 13441 |
|---|--|---------|---------------|-------------------------------------|
| Type | 5-pole | 5-pole | 5-pole | 5-pole |
| Circuit diagram | | | | |
| Sealing range (cable diameter) | 4..6 mm | 6..8 mm | 4..6 mm | 6..8 mm |
| Contact layout | <p>Male</p> | | <p>Female</p> | |
| Technical Data | | | | |
| Operating voltage | max. 125 V AC/DC | | | |
| Operating current per contact | max. 4 A | | | |
| Connection cross section | max. 0.75 mm² | | | |
| Sealing range (cable diameter) | 4..6 mm | 6..8 mm | 4..6 mm | 6..8 mm |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | | | |
| Housing | CuZn, nickel plated | | | |
| Temperature range | -25...+85 °C | | | |
| Article No. | | | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | - | - | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | | | |

Notes
 Other versions on request.

M12 ROUND PLUG CONNECTORS

- Field-wireable
 – Screw terminals
 – shielded

Approvals:

Male
 90°



Female
 90°



| 1 Form | 17351 | 17371 |
|---|--|-------------------------------------|
| Type | 8-pole | 8-pole |
| Circuit diagram | | |
| Sealing range (cable diameter) | 6..8 mm | |
| Contact layout | <p>Male</p> | <p>Female</p> |
| Technical Data | | |
| Operating voltage | max. 60 V AC/DC | |
| Operating current per contact | max. 2 A | |
| Connection cross section | max. 0.5 mm² | |
| Sealing range (cable diameter) | 6..8 mm | |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) | |
| Housing | CuZn, nickel plated | |
| Temperature range | -25...+85 °C | |
| Article No. | | |
| The composition of your article number is explained on page 3.1.1 | <u>7</u> <u>0</u> <u>0</u> <u>0</u> | <u>0</u> <u>0</u> <u>0</u> <u>0</u> |
| | 1 Form | |

Notes
 Other versions on request.