

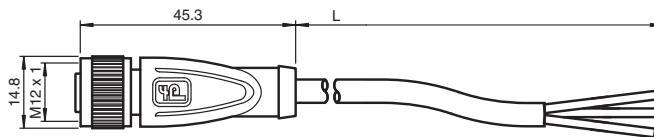


Features

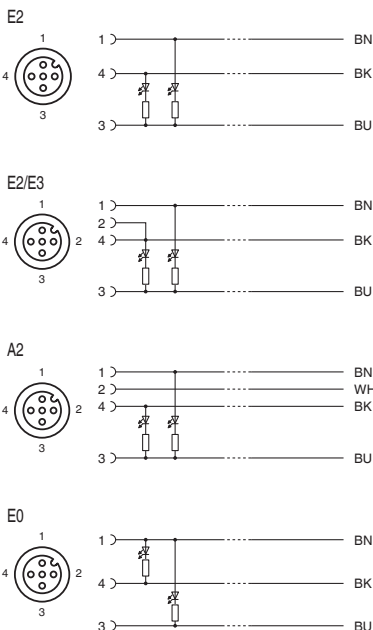
- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool mounting
- Mechanical detent for vibration protection
- Gold-plated and machined contacts
- Degree of protection: IP67 / IP68 / IP69K

| Technical data | | | |
|--|--|--------------------------------|-----------------------------|
| Number of pins | 3 (E2, E0) | 4 (E2/E3) | 4 (A2) |
| Display/controls | | | |
| Green LED | Operating display | | |
| Yellow LED | NO contact function display | NO/NC contact function display | NO contact function display |
| Electrical data | | | |
| Operating voltage U_B | Max. 24 V DC \pm 15% | | |
| Operating current | Max. 4 A | | |
| Volume resistance | < 5 m Ω | | |
| Ambient conditions | | | |
| Ambient temperature | -40 ... 90 °C for body Information on cable quality can be found beginning on page 10 | | |
| Mechanical data | | | |
| Contact elements | Spring-loaded contact sockets | | |
| Degree of protection | IP67 / IP68 / IP69K | | |
| Material | | | |
| Contacts | CuSn / Au | | |
| Contact surface | Au | | |
| Body | TPU, transparent | | |
| Coupling nut | Die-cast zinc | | |
| Approvals and certificates of compliance | | | |
| UL file number | E231213 Prerequisite for UL approval is the use of a UL-approved cable quality. | | |

Dimensions



Electrical connection



Order codes

Cable lengths in m
0.3 to 50

V 1 - G - - M -

| Cable quality | E2 | E2/E3 | A2 | E0 |
|---------------|----|-------|----|----|
| - PVC | ○ | ○ | ○ | ○ |
| BK PVC-U | ○ | ○ | ○ | ○ |
| YE PVC-U | ○ | ○ | ○ | ● |
| - PUR | ● | ● | ● | ○ |
| BK PUR-U | ○ | ○ | ○ | ○ |
| YE PUR-U | ○ | ○ | ○ | ○ |
| - PUR H/S | - | ○ | ○ | ○ |
| OR POC | - | ○ | ○ | ○ |

● Standard, cable lengths of 2 m, 5 m and 10 m available in stock
○ Available, minimum order quantity applies in some cases
- Not available

Number of pins
E2 3-pin
E2/E3 4-pin (2+4 bridged)
A2 4-pin
E0 3-pin (NPN)



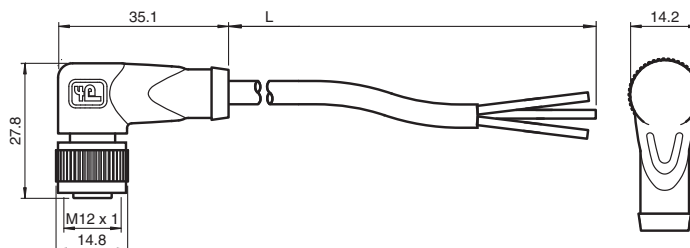
Features

- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool mounting
- Mechanical detent for vibration protection
- Gold-plated and machined contacts
- Degree of protection: IP67 / IP68 / IP69K

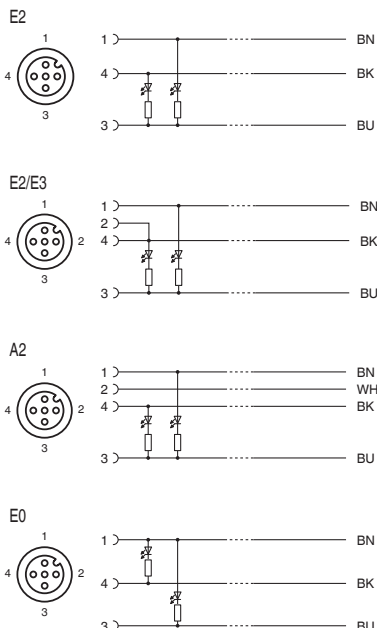
Technical data

| | | | |
|--|--|--------------------------------|-----------------------------|
| Number of pins | 3 (E2, E0) | 4 (E2/E3) | 4 (A2) |
| Display/controls | | | |
| Green LED | Operating display | | |
| Yellow LED | NO contact function display | NO/NC contact function display | NO contact function display |
| Electrical data | | | |
| Operating voltage U_B | Max. 24 V DC \pm 15% | | |
| Operating current | Max. 4 A | | |
| Volume resistance | < 5 m Ω | | |
| Ambient conditions | | | |
| Ambient temperature | -40 ... 90 °C for body Information on cable quality can be found beginning on page 10 | | |
| Mechanical data | | | |
| Contact elements | Spring-loaded contact sockets | | |
| Degree of protection | IP67 / IP68 / IP69K | | |
| Material | | | |
| Contacts | CuSn / Au | | |
| Contact surface | Au | | |
| Body | TPU, transparent | | |
| Coupling nut | Die-cast zinc | | |
| Approvals and certificates of compliance | | | |
| UL file number | E231213 Prerequisite for UL approval is the use of a UL-approved cable quality. | | |

Dimensions



Electrical connection



Order codes

Cable lengths in m
0.3 to 50

V 1 - W - - M -

| | | | | | |
|----------------------|--|-----------|--------------|-----------|-----------|
| Cable quality | | E2 | E2/E3 | A2 | E0 |
| - PVC | PVC, gray (0.34 mm ²) | ○ | ○ | ○ | ○ |
| BK PVC-U | PVC, UL-approved, black (0.34 mm ²) | ○ | ○ | ○ | ○ |
| YE PVC-U | PVC, UL-approved, yellow (0.34 mm ²) | ○ | ○ | ○ | ● |
| - PUR | PUR, halogen-free, gray (0.34 mm ²) | ● | ● | ● | ○ |
| BK PUR-U | PUR, halogen-free, UL-approved, black (0.34 mm ²) | ○ | ○ | ○ | ○ |
| YE PUR-U | PUR, halogen-free, UL-approved, yellow (0.34 mm ²) | ○ | ○ | ○ | ○ |
| - PUR H/S | PUR, halogen-free, irradiated, orange (0.34 mm ²) | - | - | ○ | ○ |
| OR POC | POC, welding bead resistant, orange (0.34 mm ²) | - | ○ | ○ | ○ |

● Standard, cable lengths of 2 m, 5 m and 10 m available in stock
○ Available, minimum order quantity applies in some cases
- Not available

Number of pins
E2 3-pin
E2/E3 4-pin (2+4 bridged)
A2 4-pin
E0 3-pin (NPN)



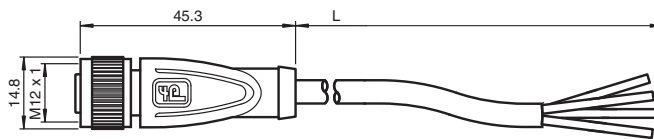
Features

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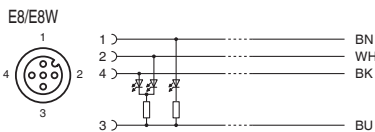
Technical data

| | | |
|---|--|-------------------------------|
| Number of pins | 4 (E8) | 4 (E8W) |
| Displays/controls | | |
| Green LED | Operating display | |
| Yellow LED | NO contact 4 function display | |
| Red LED | NO contact 2 function display | - |
| White LED | - | NO contact 2 function display |
| Electrical data | | |
| Operating voltage U_B | Max. 24 V DC \pm 15% | |
| Operating current | Max. 4 A | |
| Volume resistance | < 5 m Ω | |
| Ambient conditions | | |
| Ambient temperature | -40 ... 90 °C for body Information on cable quality can be found beginning on page 10 | |
| Mechanical data | | |
| Contact elements | Spring-loaded contact sockets | |
| Degree of protection | IP67 / IP68 / IP69K | |
| Material | | |
| Contacts | CuSn / Au | |
| Contact surface | Au | |
| Body | TPU, transparent | |
| Coupling nut | Die-cast zinc | |
| Approvals and certificates of compliance | | |
| UL file number | E231213 Prerequisite for UL approval is the use of a UL-approved cable quality | |

Dimensions



Electrical connection



Order codes

Cable lengths in m
0.3 to 50

Cable quality

| | E8 | E8W |
|-----------|----|-----|
| - PVC | ○ | ○ |
| BK PVC-U | ○ | ○ |
| YE PVC-U | ○ | ○ |
| - PUR | ● | ● |
| BK PUR-U | ○ | ○ |
| YE PUR-U | ○ | ○ |
| - PUR H/S | ○ | ○ |
| OR POC | ○ | ○ |

● Standard, cable lengths of 2 m, 5 m and 10 m available in stock
○ Available, minimum order quantity applies in some cases
- Not available

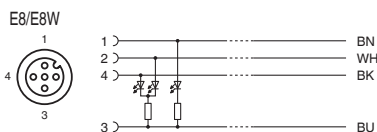
Number of pins
E8 4-pin
E8W 4-pin



Features

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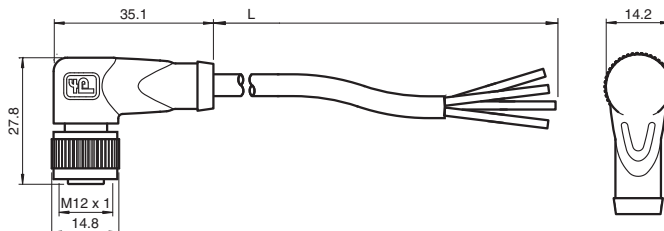
Electrical connection



Technical data

| | | |
|---|--|-------------------------------|
| Number of pins | 4 (E8) | 4 (E8W) |
| Display/controls | | |
| Green LED | Operating display | |
| Yellow LED | NO contact 4 function display | |
| Red LED | NO contact 2 function display | – |
| White LED | – | NO contact 2 function display |
| Electrical data | | |
| Operating voltage U_o | Max. 24 V DC \pm 15% | |
| Operating current | Max. 4 A | |
| Volume resistance | < 5 m Ω | |
| Ambient conditions | | |
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Dimensions



Order codes

