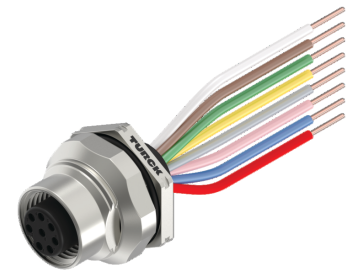
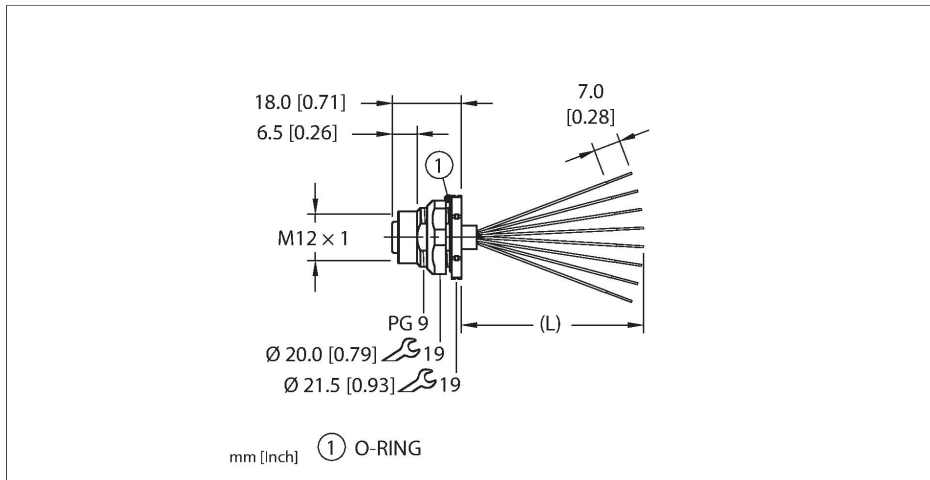


# FKFD 8-0.8

## Actuator and Sensor Receptacle – Rear Mount

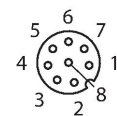


### Features



### Contact assignment

Connector A



### Circuit Diagram

|   |    |
|---|----|
| 1 | WH |
| 2 | BN |
| 3 | GN |
| 4 | YE |
| 5 | GY |
| 6 | PK |
| 7 | BU |
| 8 | RD |

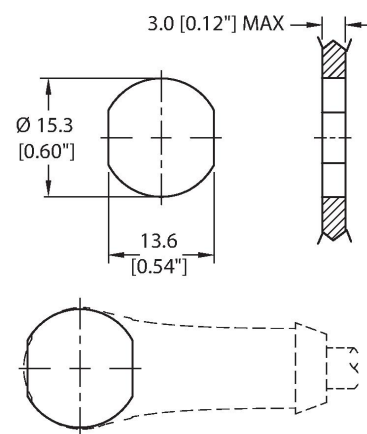
### Technical data

|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | FKFD 8-0.8                                                |
| ID                              | U-02356                                                   |
| Connector A                     | Female, M12 × 1, A-code                                   |
| Design specification            | Acc. to IEC 61076-2-101                                   |
| Number of contacts              | 8                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                  |
| Contact carriers                | Plastic, TPU, Black                                       |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                  |
| Housing material/finish         | Brass, CuZn, Nickel-plated                                |
| Tightening torque (range)       | 0.4 ... 1.8 Nm<br>(note max. torque of mating connector!) |
| Mounting orientation            | Rear mount                                                |
| Panel seal                      | O-ring, NBR                                               |
| Mounting thread                 | PG9                                                       |
| Locknut                         | Brass, CuZn, Nickel-plated                                |
| Receptacle mounting torque      | 2.5...6.8 Nm                                              |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP68                                                      |
|                                 | NEMA: 1, 3, 4, 6P                                         |
| Total number of conductors      | 8                                                         |
| Length (L)                      | 0.8 m                                                     |
| Conductor material              | TC (tinned copper)                                        |
| Conductor insulation material   | PVC                                                       |

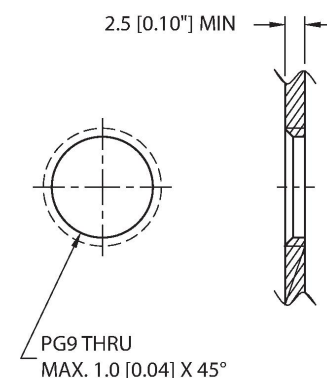
## Technical data

|                                                                            |                                           |
|----------------------------------------------------------------------------|-------------------------------------------|
| Conductor size                                                             | 24 AWG [Similar to 0.25 mm <sup>2</sup> ] |
| Conductor colors                                                           | WH, BN, GN, YE, GY, PK, BU, RD            |
| <b>Electrical properties at +20 °C</b>                                     |                                           |
| Rated voltage                                                              | 60 V <sub>AC</sub> /75 V <sub>DC</sub>    |
| Current                                                                    | 2 A                                       |
| <b>Mechanical and chemical properties</b>                                  |                                           |
| Ambient temperature range (static)                                         | -40...+105 °C                             |
| Approvals                                                                  | UL 2238<br>CE<br>UKCA<br>RoHS             |
| <b>Note</b>                                                                |                                           |
| - We reserve the right to make technical alterations without prior notice. |                                           |

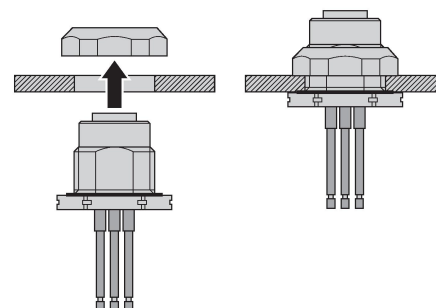
### Mounting hole - Through



### Mounting hole - Threaded



### Rear-mounted



Accessories

FK(S)FD-TOOL

A2550



Tool, knockout hole punch, receptacle-mounting hole. Accommodates PG9 threads.

DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1)

100008955



1 decal sticker containing 9 different color sets of 11 decals to color code a sensor, junction block port, cable end, or receptacle. 5ct 4x9mm rectangles, 4ct 8x19mm rectangles, 1ct 27mm ID ring, 1ct 20mm ID ring.

Accessories

LOCKNUT-PG9-BRASS-(10/BAG)

100016624



Locknut, PG9, Brass, Nickel-plated, 10 per bag