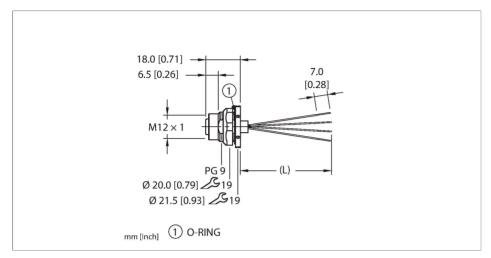


# FKFD 4.4-1.5 Actuator and Sensor Receptacle - Rear Mount





| T                               | FKFD 4.4-1.5                                       |
|---------------------------------|--|
| Type                            |  |
| ID                              | U0920-01   |
| Connector A                     | Female, M12 × 1, A-code                            |
| Design specification            | Acc. to IEC 61076-2-101                            |
| Number of contacts              | 4  |
| Contacts                        | Bronze, CuSn, 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 (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      | 2.56.8 Nm  |
| Mechanical life                 | > 100 Mating cycles                                |
| Pollution degree                | 3  |
| Protection class (When coupled) | IP68   |
|                                 | NEMA: 1, 3, 4, 6P                                  |
| Total number of conductors      | 4  |
| Length (L)                      | 1.5 m  |
| Conductor material              | TC (tinned copper)                                 |
| Conductor insulation material   | PVC  |
|                                 |  |



#### **Features**













■M12, Female, Receptacle, 4-pin ■ Mounting thread: PG9

## Contact assignment

Connector A



# Circuit Diagram

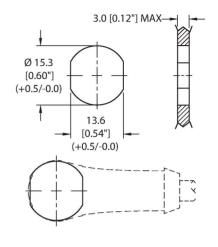
| $\lceil 1 \rceil$ | BN |
|-------------------|----|
|                   | WH |
| 27                | BU |
| 137               | ВК |
| 14/               |    |



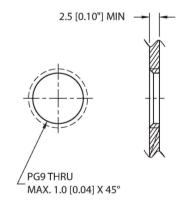
# Technical data

| Conductor size                     | 22 AWG [Similar to 0.34 mm <sup>2</sup> ]                                  |  |
|------------------------------------|--|--|
| Conductor colors                   | BN, WH, BU, BK   |  |
| Electrical properties at +20 °C    |  |  |
| Rated voltage                      | 250 V  |  |
| Current                            | 4 A  |  |
| Mechanical and chemical properties |  |  |
| Ambient temperature range (static) | -40+105 °C   |  |
| Approvals                          | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS                       |  |
| Note                               |  |  |
|                                    | - We reserve the right to make technical alterations without prior notice. |  |

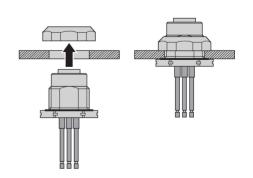
# Mounting hole - Through



# Mounting hole - Threaded



# Rear-mounted





### Accessories

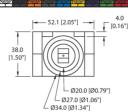
#### FK(S)FD-TOOL

#### A2550



Tool, knockout hole punch, receptaclemounting hole. Accommodates PG9 threads.





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

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.

100008955

#### Accessories

#### LOCKNUT-PG9-BRASS-(10/BAG)

#### 100016624



Locknut, PG9, Brass, Nickel-plated, 10