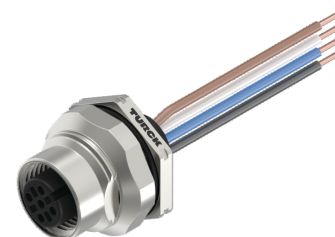
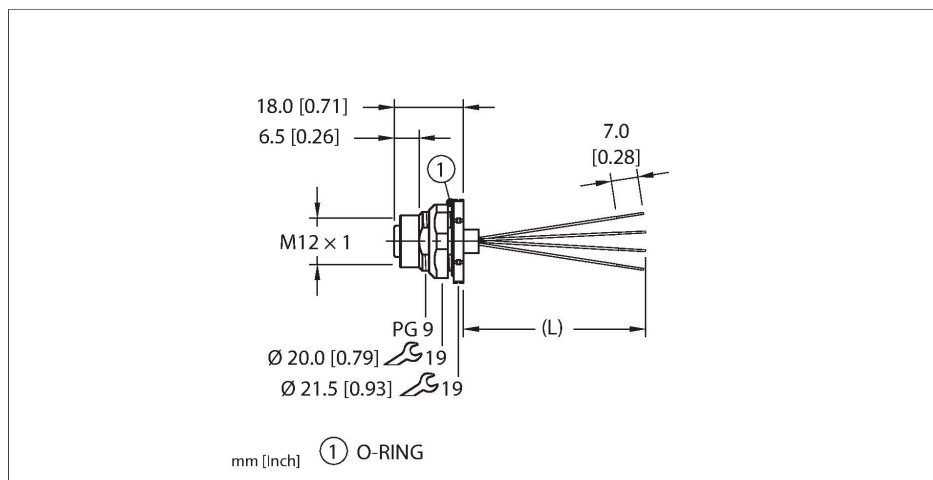


FKFD 4.4-0.5

Actuator and Sensor Receptacle – with litz wires



Technical data

| | |
|---------------------------------|---|
| Type | FKFD 4.4-0.5 |
| ID | U4490-0 |
| 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 | 2.5...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 | 4 |
| Length (L) | 0.5 m |
| Conductor material | TC (tinned copper) |
| Conductor insulation material | PVC |

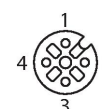
Features



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

Contact assignment

Connector A



Circuit Diagram

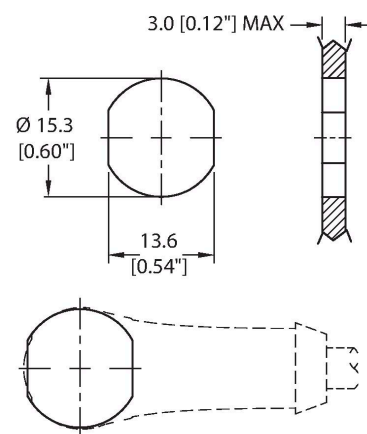
| | |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |

Technical data

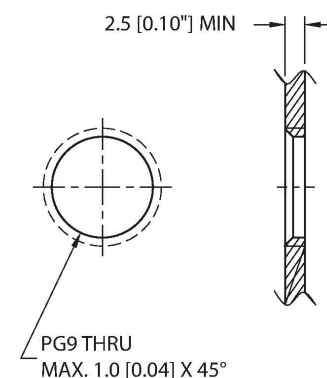
| | |
|---|--|
| Conductor size | 22 AWG [Similar to 0.34 mm ²] |
| Conductor colors | BN, WH, BU, BK |
| Electrical properties at +20 °C | |
| Rated voltage | 250 V |
| Current | 4 A |
| Mechanical and chemical properties | |
| Ambient temperature range (static) | -40...+105 °C |
| Approvals | UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS |
| Note | |

- We reserve the right to make technical alterations without prior notice.

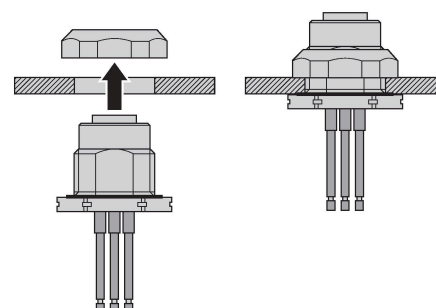
Mounting hole - Through



Mounting hole - Threaded



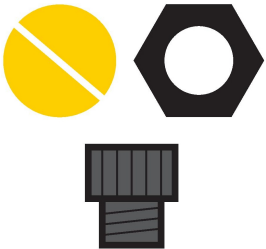
Rear-mounted



Accessories

FK(S)FD-TOOL

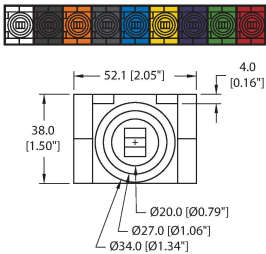
A2550



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

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

100008955

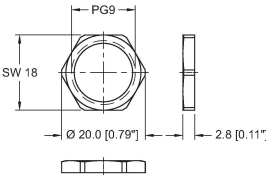


1 decal sticker containing 9 different color sets of 11 decals to color code a sensor, junction block port, cable end, or receptacle. 5ct 4x9mm rectangles, 4ct 8x19mm rectangles, 1ct 27mm ID ring, 1ct 20mm ID ring.

Accessories

LOCKNUT-PG9-BRASS-(10/BAG)

100016624



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