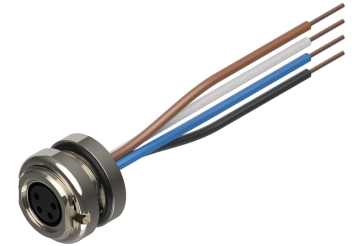
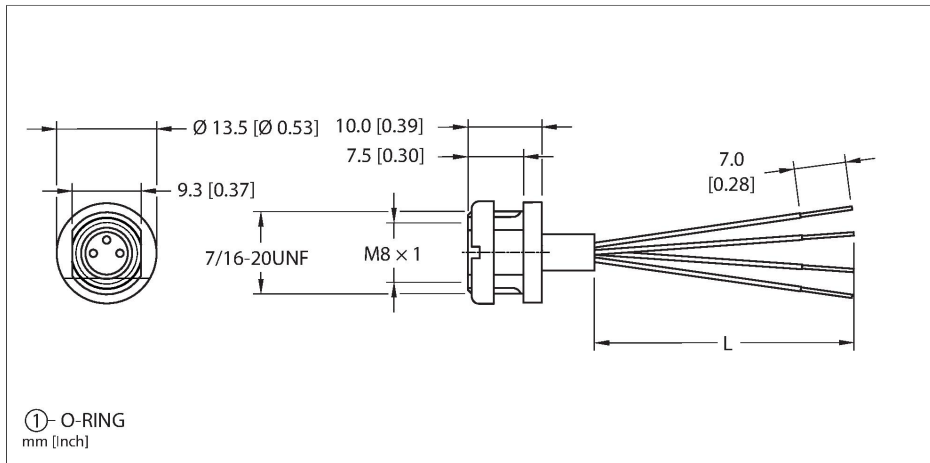


# MFKS 4F-1

## Actuator and Sensor Receptacle – Rear Mount



### Technische Daten

|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Type                            | MFKS 4F-1                                                    |
| ID                              | U2-10009                                                     |
| Connector A                     | Female, M8 × 1                                               |
| Design specification            | Acc. to IEC 61076-2-104                                      |
| Number of contacts              | 4                                                            |
| Contacts                        | Brass, CuZn, Gold-plated                                     |
| Contact carriers                | Plastic, Nylon or TPU, Black                                 |
| Connector seal                  | O-ring, Plastic, FKM/FPM                                     |
| Housing material/finish         | Brass, CuZn, Nickel-plated                                   |
| Tightening torque (range)       | 0.4 ... 0.8 Nm<br>(note max. torque of mating connector!)    |
| Mounting orientation            | Rear mount                                                   |
| Panel seal                      | O-ring, Plastic, NBR                                         |
| Mounting thread                 | 7/16"-20 UNF                                                 |
| Locknut                         | Brass, CuZn, Nickel-plated                                   |
| Receptacle mounting torque      | 1.4...6.8 Nm                                                 |
| Mechanical life                 | > 100 Mating cycles                                          |
| Pollution degree                | 3                                                            |
| Protection class (When coupled) | IP67                                                         |
|                                 | NEMA: 1, 3, 4, 6P                                            |
| Design specification            | Acc. to IEC 61076-2-104                                      |
| Conductor data                  |                                                              |
| Total number of conductors      | 4                                                            |
| Length (L)                      | 1 m, 1 m, (+50mm or 4% of length/-0.0, Whichever is greater) |

### Features



- Female M8 picofast Receptacle
- M8, Female, 4-pin
- Mounting thread: 7/16"-20UNF

### Contact assignment

Connector A



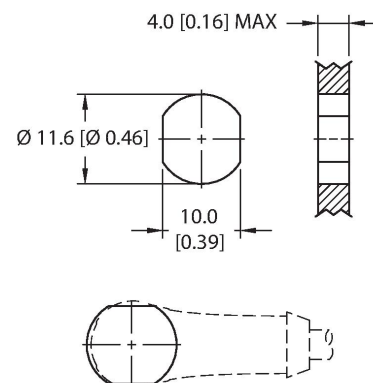
### Circuit Diagram



## Technische Daten

|                                                                            |                                                      |
|----------------------------------------------------------------------------|------------------------------------------------------|
| Conductor material                                                         | TC (tinned copper)                                   |
| Conductor insulation material                                              | PVC                                                  |
| Conductor size                                                             | 4 x 24 AWG [Similar to 0.25 mm²]                     |
| Conductor colors                                                           | BN, WH, BU, BK                                       |
| <b>Electrical properties at +20 °C</b>                                     |                                                      |
| Rated voltage                                                              | 125 VAC/DC                                           |
| Current                                                                    | 4 A                                                  |
| <b>Mechanical and chemical properties</b>                                  |                                                      |
| Ambient temperature range (static)                                         | -30...+80 °C                                         |
| Approvals                                                                  | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>UKCA<br>RoHS |
| <b>Note</b>                                                                |                                                      |
| - We reserve the right to make technical alterations without prior notice. |                                                      |

## Mounting hole - Through



## Rear-mounted

