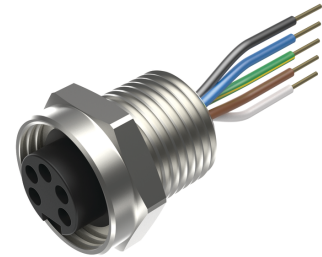
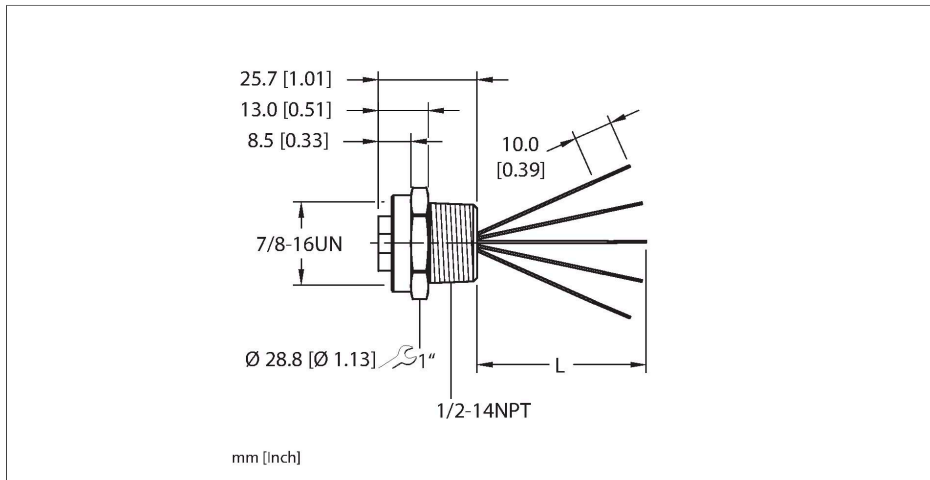


# RKF 50-1M/NPT

## Actuator and Sensor Receptacle – Front Mount



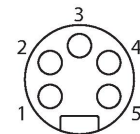
### Features



- 7/8" minifast, Female, Receptacle, 5-pin
- Mounting thread: 1/2"-14 NPT

### Contact assignment

Connector A



### Circuit Diagram



### Technische Daten

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Type                            | RKF 50-1M/NPT                                              |
| ID                              | U0893-90                                                   |
| Connector A                     | Female, 7/8"-16 UN                                         |
| Number of contacts              | 5                                                          |
| Contacts                        | Brass, CuZn, Gold-plated                                   |
| Contact carriers                | Plastic, TPU, Black                                        |
| Housing material/finish         | Brass, CuZn, Nickel-plated                                 |
| Tightening torque (range)       | 3.5 ... 10.2 Nm<br>(note max. torque of mating connector!) |
| Mounting orientation            | Front mount                                                |
| Mounting thread                 | 1/2"-14 NPT                                                |
| Receptacle mounting torque      | 3.5...10.2 Nm                                              |
| Mechanical life                 | > 100 Mating cycles                                        |
| Pollution degree                | 3                                                          |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K                                    |
|                                 | NEMA: 1, 3, 4, 6P, 12                                      |
| Total number of conductors      | 5                                                          |
| Length (L)                      | 1 m                                                        |
| Conductor material              | TC (tinned copper)                                         |
| Conductor insulation material   | PVC                                                        |
| Conductor size                  | 18 AWG [Similar to 0.75 mm²]                               |
| Conductor colors                | BK, BU, GN/YE, BN, WH                                      |
| Electrical properties at +20 °C |                                                            |
| Rated voltage                   | 600 V                                                      |

## Technische Daten

|                                                                            |                                              |
|----------------------------------------------------------------------------|----------------------------------------------|
| Current                                                                    | 9 A                                          |
| <b>Mechanical and chemical properties</b>                                  |                                              |
| Ambient temperature range (static)                                         | -40...+105 °C                                |
| Approvals                                                                  | UL 2238<br>CSA C22.2 No. 182.3<br>CE<br>RoHS |
| <b>Note</b>                                                                |                                              |
| - We reserve the right to make technical alterations without prior notice. |                                              |

## Front panel mounting

