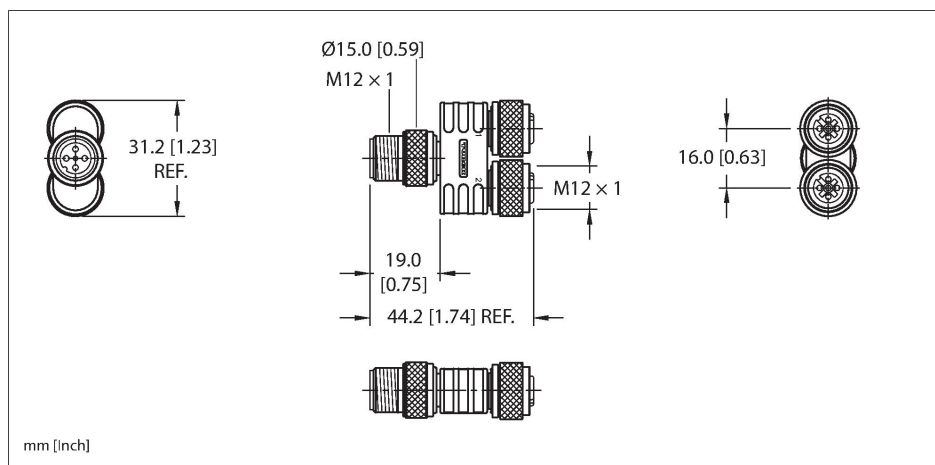


# YB2-FSM 4.5-2FKM 4.5

## Actuator and Sensor Splitter – M12 Splitter

### 5-Wire



#### Technical data

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | YB2-FSM 4.5-2FKM 4.5                                    |
| ID                              | U0875-78                                                |
| Distributed I/O                 | Splitter, 2 -port, with integral homerun connector      |
| Housing                         | Plastic, TPU, Black                                     |
| Connector A                     | Male, M12 × 1                                           |
| Number of contacts              | 4                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Plastic, Nylon or TPU, Black                            |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Tightening torque (range)       | 0.8 ... 1 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                     |
| Pollution degree                | 3                                                       |
| Protection class (When coupled) | IP67                                                    |
| Connector B                     | Female, M12 × 1                                         |
| Number of contacts              | 3                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Plastic, Nylon or TPU                                   |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Seal                            | O-ring, Plastic, FKM/FPM                                |
| Tightening torque               | 0.8 ... 1 Nm                                            |
| Mechanical life                 | > 100 Mating cycles                                     |

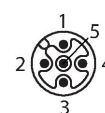
#### Features



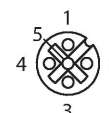
- Close coupled
- M12, Male, Straight, 4-pin
- 2x M12, Female, 4-pin

#### Contact assignment

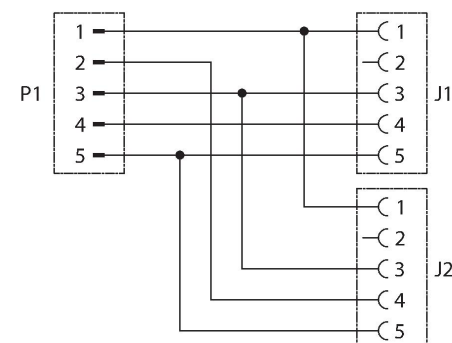
Connector A



Connector B



#### Circuit Diagram



YB2-FSM 4.5-2FKM 4.5 | 01/10/2025 23-12 | technical changes reserved

## Technical data

|                                                                            |                                        |
|----------------------------------------------------------------------------|----------------------------------------|
| Pollution degree                                                           | 3                                      |
| Protection class (When coupled)                                            | IP67                                   |
| Electrical properties at +20 °C                                            |                                        |
| Rated voltage                                                              | 30 V <sub>AC</sub> /36 V <sub>DC</sub> |
| Current                                                                    | 4 A                                    |
| Mechanical and chemical properties                                         |                                        |
| Ambient temperature range (static)                                         | -30...+80 °C                           |
| Approvals                                                                  | UL Listed<br>CE<br>RoHS                |
| Note                                                                       |                                        |
| - We reserve the right to make technical alterations without prior notice. |                                        |