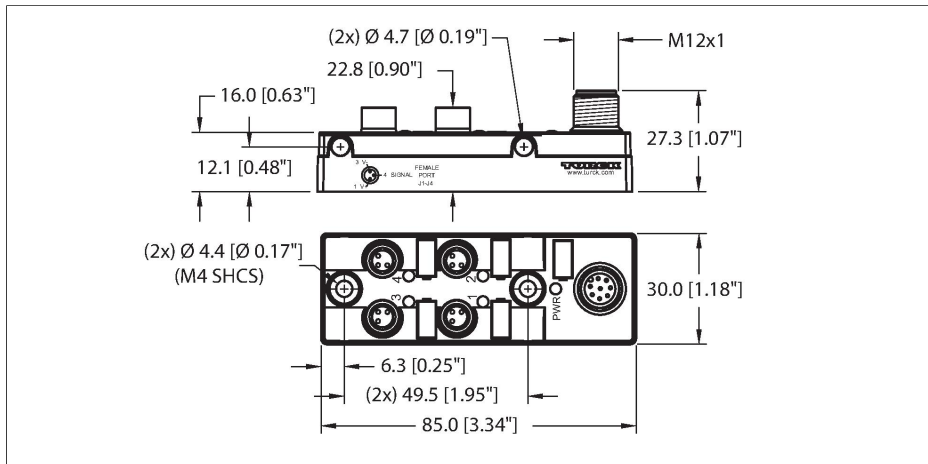


# TB-4M8M-3-FS8

Passive Actuator/Sensor Junction Box, 4 Ports – M8 × 1 I/O Port with M12 Male Connector for the Supply Cable



## Technical data

|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| Type                 | TB-4M8M-3-FS8                                                    |
| ID                   | U2-28812                                                         |
| Distributed I/O      | Junction box, 4, With a permanently installed M12 male connector |
| Housing              | Plastic, PA 6 GF30, Black                                        |
| I/O port             | Female, M8 × 1                                                   |
| Design specification | acc. to IEC 61076-2-104                                          |
| Number of Pins       | 3                                                                |
| Contacts             | Brass, CuZn, Gold-plated                                         |
| Contact carriers     | Plastic, PA 4.6 GF30, Black                                      |
| Seal                 | O ring, Plastic, FKM/FPM                                         |
| Flange housing       | Brass, CuZn, Nickel-plated                                       |
| Mechanical lifespan  | > 100 Mating cycles                                              |
| Pollution degree     | 3                                                                |
| Protection class     | IP67, IP68, IP69, IP69K                                          |
|                      | NEMA: 1, 3, 4, 6P, 12                                            |
| Group terminal       | Connectors, M12 × 1, Top output, A-coded                         |
| Design specification | acc. to IEC 61076-2-101                                          |
| Number of pins       | 8                                                                |
| Contacts             | Brass, CuZn, Gold-plated                                         |
| Contact carriers     | Plastic, PA 4.6, Black                                           |
| Tightening torque    | 0.8 ... 1 Nm<br>(Observe max. value of counterpart!)             |
| Mechanical life      | > 100 Mating cycles                                              |
| Pollution degree     | 3                                                                |
| Protection class     | IP67, IP68, IP69, IP69K                                          |

## Features



- Housing material: Nylon
- Housing color: black
- Protection class IP67
- RoHS conform
- cULus listed
- I/O port (number of pins): 3-pin + PE

## Contact assignment

I/O connector Permanently installed male connector



## Technical data

NEMA: 1, 3, 4, 6P, 12

|                                                                              |                                    |
|------------------------------------------------------------------------------|------------------------------------|
| Electrical properties at +20 °C                                              |                                    |
| Rated voltage                                                                | 30 VAC/DC                          |
| Current                                                                      | 2 A per contact, total current 2 A |
| Mechanical and chemical properties                                           |                                    |
| Ambient temperature range (stationary)                                       | -40 °C...+85 °C                    |
| Approvals                                                                    | CE<br>RoHS                         |
| Note                                                                         |                                    |
| - We reserve the right to make technical modifications without prior notice. |                                    |

## Scope of delivery

| Device         | Quantity | Description                            |
|----------------|----------|----------------------------------------|
| Junction boxes | 1        | Passive actuator/sensor junction box   |
| VS-M12-BK      | 2        | Closure caps for M12 female connectors |
| KS9/20         | 5        | Labels                                 |

## Accessories

| Ident-No. | Designation             | Description                                                            |
|-----------|-------------------------|------------------------------------------------------------------------|
| 6900197   | CK12-0                  | Field-wireable female M23, 12-pin, straight                            |
| 6931889   | CS12-0                  | Field-wireable male M23, 12-pin, straight                              |
| 6931780   | CKCM12-11-5/S90         | Connection cable, M23 female, straight, 12-pin, 5 m*                   |
| 6931781   | CKCM12-11-10/S90        | Connection cable, M23 female, straight, 12-pin, 10 m*                  |
| 6931885   | CKCWM12-11-5/S90        | Connection cable, M23 female, angled, 12-pin, 5 m*                     |
| 6931886   | CKCWM12-11-10/S90       | Connection cable, M23 female, angled, 12-pin, 10 m*                    |
| 6931782   | CSCM-CK-CM12-11-5/S90   | Extension cable, male M23 - female M23, straight, 12-pin, 5 m *        |
| 6931783   | CSCM-CK-CM12-11-10/S90  | Extension cable, male M23 - female M23, straight, 12-pin, 10 m *       |
| 6931887   | CSCM-CK-CWM12-11-5/S90  | Extension cable, male M23 straight - female M23 angled, 12-pin, 5 m *  |
| 6931888   | CSCM-CK-CWM12-11-10/S90 | Extension cable, male M23 straight - female M23 angled, 12-pin, 10 m * |
| 6625616   | RKC5T-2-RSC5T/TXL       | Actuator/sensor cable, female M12 - male M12, straight, 5-pin, 2 m *   |
| 6936055   | VS-M12-BK               | Closure caps for M12 female connectors                                 |
| 8015002   | KS9/20                  | Labels                                                                 |

\* Other lengths available on request

## Circuit Diagram

