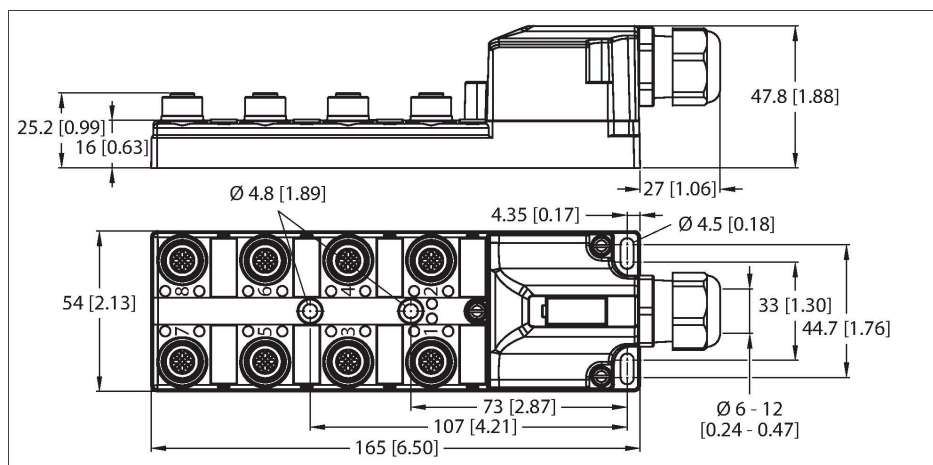


# TB-8M12-5P3-K-S/0612

Passive actuator/sensor junction box, 8 ports – M12 I/O slot with terminal chamber for the supply cable



## Features



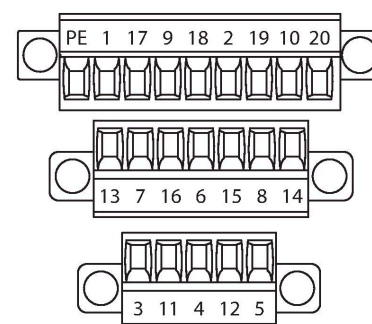
- Housing material: Nylon
- Housing color: black
- Protection class IP67
- RoHS-compliant
- CE compliant
- LED (PNP circuit)
- I/O slot (pinout): 4-pin + PE

I/O Connector

## Technical data

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Type                                | TB-8M12-5P3-K-S/0612                       |
| ID                                  | 6632160                                    |
| Distributed I/O                     | 8 -port                                    |
| Housing                             | Plastic, PA, Black                         |
| Display operating voltage           | LED, green                                 |
| Display switching state             | LED, yellow                                |
| Switching function                  | PNP                                        |
| I/O Port                            | M12 × 1                                    |
| Number of contacts                  | 4+PE                                       |
| Contacts                            | Brass, CuZn, Gold-plated                   |
| Contact carriers                    | Plastic, PA, Black                         |
| Connector seal                      | Plastic, FPM/FKM                           |
| Mechanical life                     | > 100 Mating cycles                        |
| Protection class (When coupled)     | IP67                                       |
| Homerun connector                   | Terminal chamber                           |
| Number of contacts                  | 20+PE                                      |
| Connection mode                     | Screw/clamp connection                     |
| Core cross-section/Clamping ability | 16 AWG [similar to 1.50 mm <sup>2</sup> ]  |
| Seal                                | Plastic, FPM/FKM                           |
| Electrical properties at +20 °C     |                                            |
| Rated voltage                       | 30 VDC                                     |
| Current                             | 2 A per signal contact, total current 10 A |

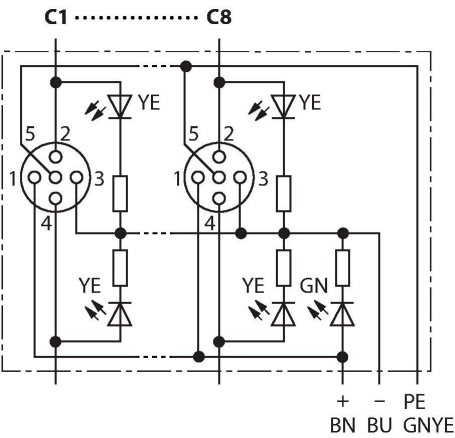
## Terminal



Technical data

|                                    |              |
|------------------------------------|--------------|
| Mechanical and chemical properties |              |
| Ambient temperature range (static) | -40...+70 °C |

Circuit Diagram



Wiring

|                  |      |      |      |      |      |      |      |      |
|------------------|------|------|------|------|------|------|------|------|
| Port/Pin         | C1/2 | C1/4 | C2/2 | C2/4 | C3/2 | C3/4 | C4/2 | C4/4 |
| Terminal chamber | 9    | 1    | 10   | 2    | 11   | 3    | 12   | 4    |

|                  |      |      |      |      |      |      |      |      |
|------------------|------|------|------|------|------|------|------|------|
| Port/Pin         | C5/2 | C5/4 | C6/2 | C6/4 | C7/2 | C7/4 | C8/2 | C8/4 |
| Terminal chamber | 13   | 5    | 14   | 6    | 15   | 7    | 16   | 8    |

|                  |         |         |    |
|------------------|---------|---------|----|
| Power C1-C8      | V+      | V-      | PE |
| Terminal chamber | 17 + 19 | 18 + 20 | PE |

Accessories

|           |                    |                                                                      |
|-----------|--------------------|----------------------------------------------------------------------|
| Ident-No. | Designation        | Description                                                          |
| 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