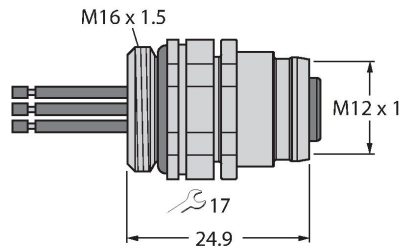


# EC-FKDW4.54-0.5/16

## Accessories for Fieldbus Systems – Mounting Receptacle



### Features

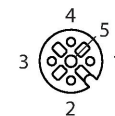


- M12 × 1 female receptacle
- Protection class IP67
- Front panel mounting
- Connected via stranded wires
- 5-pin
- Reverse-keyed, 5-pin, stranded wire 0.5 m
- Front-mounted
- Rotatable contact body
- M16 × 1.5 metric screw-in thread
- For use in PROFIBUS-DP applications
- Stranded wire length: 0.5 m

### Technical data

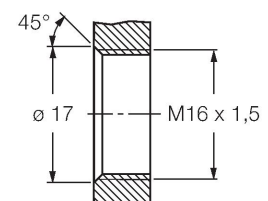
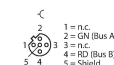
|                                 |                                    |
|---------------------------------|------------------------------------|
| Type                            | EC-FKDW4.54-0.5/16                 |
| ID                              | 6935753                            |
| Connector A                     | Female, M12 × 1, Straight, B-coded |
| Number of pins                  | 5                                  |
| Contacts                        | Brass, CuZn, Gold-plated           |
| Contact carriers                | Plastic, TPU, Black                |
| Seal                            | Plastic, FPM/FKM                   |
| Flange housing                  | Brass, CuZn, Nickel-plated         |
| Mounting type                   | front panel mounting               |
| Screw-in thread seal            | Plastic, NBR                       |
| Screw-in thread                 | M16 × 1.5                          |
| Connection mode                 | Wire connection                    |
| Mechanical lifespan             | > 100 Mating cycles                |
| Pollution degree                | 3                                  |
| Protection class                | IP67, (screwed together)           |
| Network protocol                | PROFIBUS-DP                        |
| Cable length                    | 0.5 m                              |
| Core insulation                 | PVC                                |
| Core cross-section              | 5 x 0.34 mm <sup>2</sup>           |
| Arrangement of strands          | 7 x 0.25 mm                        |
| Core colors                     | BN, WH, BU, BK, GY                 |
| Electrical properties at +20 °C |                                    |
| Rated voltage                   | 60 V                               |
| Current                         | 4 A                                |
| Insulation resistance           | ≥ 10 <sup>8</sup> Ω                |
| forward resistance              | ≤ 5 mΩ                             |

### Contact assignment



### Headline Wiring Diagram

#### Pin Assignment



## Technical data

### Mechanical and chemical properties

|                             |              |
|-----------------------------|--------------|
| Ambient temperature (fixed) | -30...+90 °C |
| Approvals                   | CE           |

### Front panel mounting

