

# EC-FKFDE8-1/16

## Accessories for Actuator/Sensor Cables – female flange with strands, rear-mounted

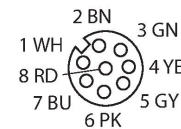


### Features



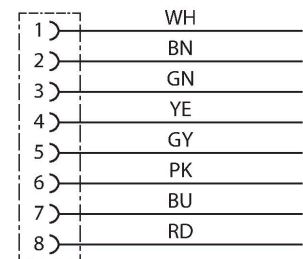
- M12 × 1 female receptacle
- Protection class IP67
- Stainless steel receptacle housing
- Rear-mounted
- Connected via stranded wires

### Contact assignment



### Technical data

|  |                                     |
|--|-------------------------------------|
| Type                                   | EC-FKFDE8-1/16                      |
| ID                                     | 6935160                             |
| Connector A                            | Female, M12 × 1, Straight, A-coded  |
| Number of Pins                         | 8                                   |
| Contacts                               | Brass, CuZn, Gold-plated            |
| Contact carriers                       | Plastic, TPU, Black                 |
| Seal                                   | Plastic, FPM/FKM                    |
| Flange housing                         | Stainless Steel, 1.4404 (AISI 316L) |
| Mounting type                          | backplane 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)            |
| Cable length                           | 1 m                                 |
| Core insulation                        | PVC                                 |
| Core cross-section                     | 8 x 0.25 mm <sup>2</sup>            |
| Core colors                            | WH, GN, YE, GY, BN, PK, BU, RD      |
| <b>Electrical properties at +20 °C</b> |                                     |
| Rated voltage                          | 30 V                                |
| Current                                | 2 A                                 |
| Insulation resistance                  | ≥ 10 <sup>8</sup> Ω                 |
| forward resistance                     | ≤ 5 mΩ                              |



## Technical data

### Mechanical and chemical properties

|  |                 |
|--|-----------------|
| Ambient temperature range (stationary) | -30 °C...+90 °C |
|--|-----------------|

|           |    |
|-----------|----|
| Approvals | CE |
|-----------|----|