



#### Features

- ✓ Color-coded contact elements help to avoid connection errors
- ✓ Transmission rates up to 100 Mbps
- ✓ No loose individual parts
- ✓ Tool-free installation
- ✓ EasyConnect® RJ45 connection (IDC) for industrial applications
- ✓ For PROFINET, Modbus, and EtherCAT
- ✓ 180° axial cable outlet

## PROFINET Connector

The field-assembled RJ45 connector for PROFINET, Modbus, and EtherCAT is easy and quick to install.

The industrial-grade metal housing provides the necessary ruggedness so that the plug can be used in many industrial applications.

To save the user time in wiring, the RJ45 connector can be assembled in a single step using the fast connection technology EasyConnect®. Solid single wires and strands can be used. The color-coded contact elements also help avoid connection errors.

With a PROFINET cable of up to 100 m length, Ethernet components such as a PROFINET station can be connected. In addition, the RJ45 connectors are designed in protection class IP20 and for transmission rates up to 100 Mbps.

#### General information

|                    |                                               |
|--------------------|-----------------------------------------------|
| Order number       | 700-901-1BB10                                 |
| Article name       | PROFINET connector, RJ45, EasyConnect®, 180°  |
| Scope of delivery  | PROFINET connector, installation instructions |
| Dimensions (DxWxH) | 56.5 x 16.4 x 14.02 mm                        |
| Weight             | Approx. 30 g                                  |

#### PROFINET interface

|                   |                |
|-------------------|----------------|
| Number            | 1              |
| Physical layer    | Ethernet       |
| Transmission rate | max. 100 Mbps  |
| Connection        | RJ45 connector |

#### Connectors

|                     |                      |
|---------------------|----------------------|
| Cable outlet        | 180°                 |
| Connector type      | EasyConnect®         |
| Connectible cables  | PROFINET cable       |
| Cable cross-section | 4 x 24 AWG or 22 AWG |
| Outside diameter    | 6.2 ... 6.7 mm       |

#### Ambient conditions

|                                   |                               |
|-----------------------------------|-------------------------------|
| Ambient temperature               | -30 °C ... +70°C              |
| Transport and storage temperature | -40 °C ... +80 °C             |
| Relative air humidity             | 95 % r H without condensation |
| Pollution degree                  | 2                             |
| Protection rating                 | IP20                          |
| Certifications                    | CE, UL                        |