## Product description

- Field mountable Industrial Ethernet RJ45 connector with colour coding according to PROFINET standard
- Cable outlet in 4 different 90°-steps modifiable
- Suitable for industrial applications, data centres and home networks

## General properties

| | |
| --- | --- |
| Ambient temperature | -40 to +85 °C |
| Protection degree | IP 20 |
| Outer diameter, cable | 5,5 – 10,0 mm |
| Outer diameter, wire | 1,0 – 1,6 mm |
| Termination cross section, stranded, 7 wires | AWG27/7 – AWG22/7 |
| Termination cross section, solid | AWG24/1 – AWG22/1 |
| Cable outlet, variable | 0°, 90°, 180°, 270° |

## Mechanical properties

| | |
| --- | --- |
| Insertion force | ≤ 30 N |
| Mating cycles | ≥ 750 |
| Cable extraction force (assembled connector) | ≥ 50 N |

## Electrical properties

| | |
| --- | --- |
| Contact resistance | ≤ 20 mΩ |
| Insulation resistance | ≥ 500 MΩ |
| Proof voltage, contact-contact | ≥ 1000 V, DC |
| Proof voltage, contact-shield | ≥ 1500 V, DC |
| Current carrying capacity at 50 °C | 1 A |
| Suitable for Power over Ethernet 4PPoE acc. to IEEE 802.3bt | yes |

## Transmission properties

| | |
| --- | --- |
| Category (ISO) | 5 (Profinet Installation Guideline) |
| | $6_A$ (Product Standard RJ45-connector) |

## Materials

| | |
| --- | --- |
| Inflammability class in according to UL94 | V0 |
| Connector housing, base material | die-cast zinc |
| Connector housing, surface | Ni |
| Contacts, surface | Au |

## Approvals

| | |
| --- | --- |
| UL listed, E-File | DUXR.E353543 |

## Standards

Product standard
Generic cable systems

RJ45 connector acc. to IEC 60603-7-51
Profinet Installation Guideline

## Drawings



Anschlussbelegung / PIN assignment
Profinet

0°

90°

180°

270°
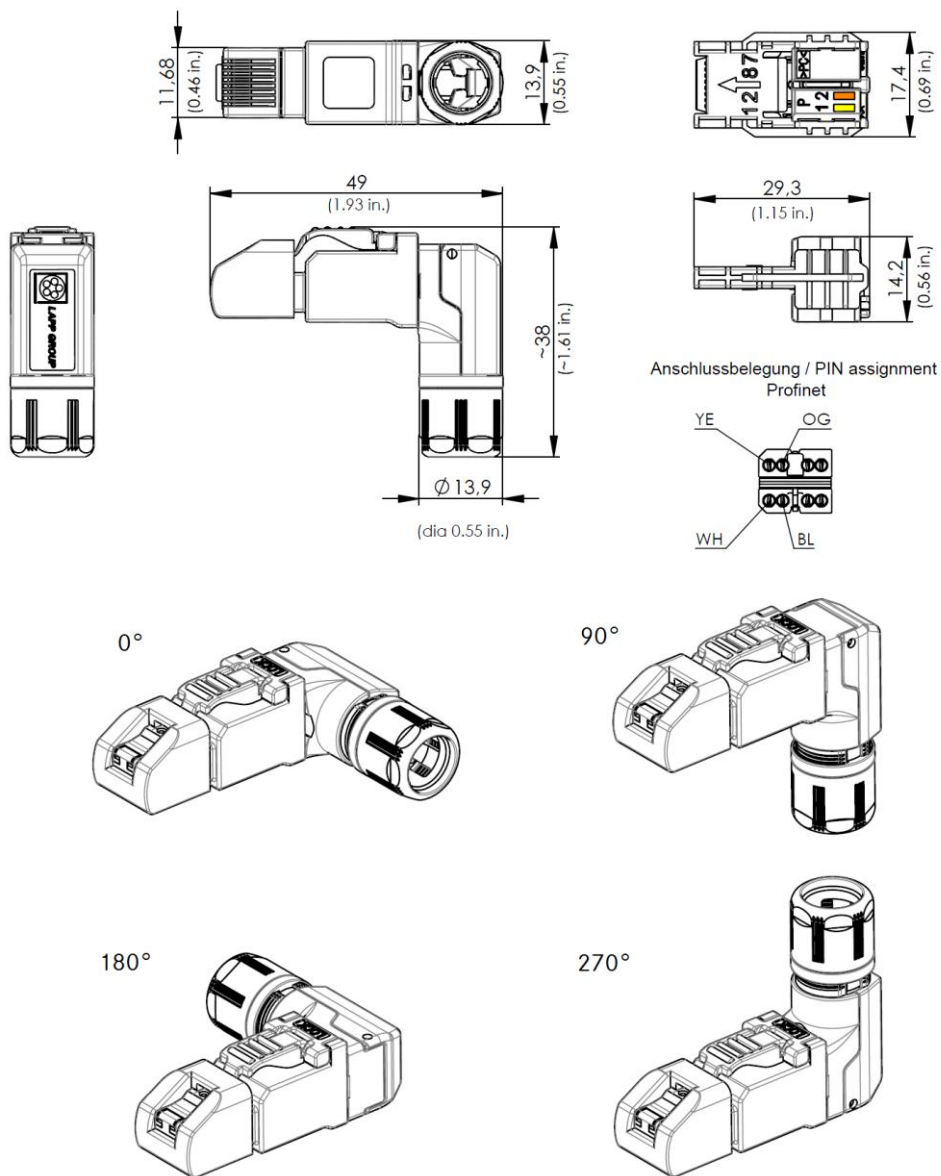
## Application range

Automation, industrial machinery and plant engineering

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.