

**Industrial Ethernet
IE-P63**

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RJ45 crimp plug-in connector according to IEC
60603-7-51 for wire outer diameters up to 1.05 mm

General ordering data

| | |
|------------|--|
| Type | IE-P63 |
| Order No. | 8813110000 |
| Version | RJ45 plug, with kink protection; 5.5 - 6.2 mm, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), IP20 |
| GTIN (EAN) | 4032248512867 |
| Qty. | 10 pc(s). |

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Technical data**Dimensions and weights**

| | |
|------------|--------|
| Net weight | 5.31 g |
|------------|--------|

Temperatures

| | | | |
|--------------------------|----------------|---------------------|----------------|
| Operating temperature | -40 °C...70 °C | Storage temperature | -40 °C...80 °C |
| Installation temperature | | | |

General data

| | | | |
|------------------------------------|--|--|------------------------------------|
| Connection 2 | RJ45 | Description of article | with kink protection; 5.5 - 6.2 mm |
| Housing main material | CuZn, nickel-plated | Insulation cross-section, min. | 0.85 mm |
| Insulation cross-section, max. | 1.05 mm | Cable pull-out force, min. | 89 N |
| Category | Cat.6 _A / Class E _A (ISO/IEC 11801 2010) | Bending protection | moulded |
| Contact material | Phosphorus bronze | Contact surface | Gold-plated |
| Connection diameter, solid | 0.36...0.51 mm | Conductor connection cross-section, solid (AWG) | AWG 27...AWG 24 |
| Connection diameter, flexible | 0.46...0.61 mm | Conductor connection cross-section, flexible (AWG) | AWG 27...AWG 24 |
| MICE classification M | M ₁ | MICE classification I | I ₁ |
| MICE classification C | C ₁ | MICE classification E | E ₃ |
| Sheath diameter, min. | 5.5 mm | Sheath diameter, max. | 6.2 mm |
| Bending protection sleeve material | Polyamide PA6, UL 94-V0 | Shielding material | 0.5 mm brass, 2 µm nickel |
| Shielding | 360° all-round enclosure | Protection degree | IP20 |
| Insertion force | 20 N | Plugging cycles | 750 |
| Material insulator | Polycarbonate PC, UL 94 V-0 | | |

Electrical properties

| | | | |
|--|-------------|---------------------------------------|----------------------------|
| Contact resistance | ≤ 20 mΩ | Current-carrying capacity at 50 °C | 1 A |
| Dielectric strength, contact / contact | ≤ 1000 V DC | Dielectric strength, contact / shield | ≤ 1500 V DC |
| Insulation resistance | 500 MΩ | PoE / PoE+ | conforming to IEEE 802.3af |

Standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Downloads

| | |
|--------------------|--|
| Installation video | STEADYTEC® assembly instruction RJ45 crimp connector_EN_HD.mp4 |
|--------------------|--|

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001264 | ETIM 4.0 | EC001264 |
| ETIM 5.0 | EC001264 | ETIM 6.0 | EC001121 |
| UNSPSC | 43-17-27-10 | eClass 5.1 | 27-25-05-04 |
| eClass 6.2 | 27-25-05-04 | eClass 7.1 | 27-25-05-04 |
| eClass 8.1 | 19-17-01-25 | eClass 9.0 | 19-17-01-25 |
| eClass 9.1 | 27-44-09-90 | | |

Data sheet

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Technical data

Approvals

Approvals



ROHS

Conform

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Drawings

Dimensioned drawing

