

## RJ45 10G RJ45 plug Cat6, 8p IDC straight



Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 09 45 151 1560  |
| Specification      | RJ45 10G RJ45 plug Cat6, 8p IDC straight  |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09451511560">https://b2b.harting.com/09451511560</a> |

### Identification

|               |                        |
|---------------|------------------------|
| Category      | Connectors             |
| Series        | HARTING RJ Industrial® |
| Element       | Cable connector        |
| Specification | Straight               |

### Version

|                    |  |
|--------------------|--|
| Termination method | IDC termination                        |
| Shielding          | Fully shielded, 360° shielding contact |
| Number of contacts | 8                                      |

### Technical characteristics

|                              |  |
|------------------------------|--|
| Conductor cross-section      | 0.1 ... 0.32 mm <sup>2</sup> solid and stranded                            |
| Conductor cross-section      | AWG 27/7 ... AWG 22/7 Stranded<br>AWG 27/1 ... AWG 22/1 Solid              |
| Wire outer diameter          | ≤1.6 mm  |
| Rated current                | 1.75 A   |
| Rated voltage                | 50 V AC<br>60 V DC   |
| Transmission characteristics | Cat. 6 Class E <sub>A</sub> up to 500 MHz                                  |
| Data rate                    | 10 Mbit/s<br>100 Mbit/s<br>1 Gbit/s<br>2.5 Gbit/s<br>5 Gbit/s<br>10 Gbit/s |



**Pushing Performance**  
 Since 1945

## Technical characteristics

|  |   |
|--|---|
| Insulation resistance                  | > 5 x 10 <sup>9</sup> Ω   |
| Contact resistance                     | ≤20 mΩ  |
| Limiting temperature                   | -40 ... +70 °C  |
| Relative humidity                      | 95 % Non-condensing (operation)   |
| Insertion force                        | 25 N  |
| Withdrawal force                       | 25 N  |
| Mating cycles                          | ≥750  |
| Degree of protection acc. to IEC 60529 | IP20  |
| Cable diameter                         | 4.5 ... 9 mm  |
| Test voltage U <sub>DC</sub>           | 1 kV (contact-contact)<br>1.5 kV (contact-ground)   |
| Vibration resistance                   | 10-500 Hz, 5 g, 0.35 mm, 2h/axis<br>7.9 m/s <sup>2</sup> acc. to IEC 61373 Category 1 Class B |
| Shock resistance                       | 25 g / 11 ms, 5 shocks / axis and direction acc. to IEC 61373 Category 1 Class B              |

## Material properties

|   |  |
|---|--|
| Material (insert)                         | Thermoplastic resin (PBT)                                |
| Colour (insert)                           | Yellow   |
| Material (contacts)                       | Copper alloy   |
| Material (hood/housing)                   | Polyamide (PA)   |
| Colour (hood/housing)                     | Black  |
| Material flammability class acc. to UL 94 | V-0  |
| RoHS                                      | compliant  |
| ELV status                                | compliant  |
| China RoHS                                | e  |
| REACH Annex XVII substances               | Not contained  |
| REACH ANNEX XIV substances                | Not contained  |
| REACH SVHC substances                     | Yes  |
| REACH SVHC substances                     | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one |
| California Proposition 65 substances      | Not contained  |
| Requirement set with Hazard Levels        | R26  |



**Pushing Performance**  
Since 1945

## Specifications and approvals

|                |                                   |
|----------------|-----------------------------------|
| Specifications | IEC 60603-7 Mating face           |
|                | ISO/IEC 11801                     |
|                | EN 50173-1                        |
|                | EN 45545-2                        |
| UL / CSA       | UL 1977 ECBT2.E102079             |
|                | CSA-C22.2 No. 182.3 ECBT8.E102079 |
| Approvals      | DNV GL                            |
| PROFINET       | Yes                               |

## Commercial data

|                                |   |
|--------------------------------|---|
| Packaging size                 | 1   |
| Net weight                     | 14.7 g  |
| Country of origin              | Romania   |
| European customs tariff number | 85366990  |
| GTIN                           | 5713140059443                                       |
| ETIM                           | EC002636  |
| eCl@ss                         | 27440114 Rectangular connector (for field assembly) |