



Pushing Performance  
Since 1945

# RJ1 10G RJ45 plug Cat6, 8p IDC 100pcs.



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

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Part number        | 09 45 151 1560 XL                                                                         |
| Specification      | RJ1 10G RJ45 plug Cat6, 8p IDC 100pcs.                                                    |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09451511560XL">https://b2b.harting.com/09451511560XL</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                                      |
| Pack contents      | 100 pieces                             |

## Technical characteristics

|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Conductor cross-section      | 0.1 ... 0.32 mm² 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                     |



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## Technical characteristics

|                                        |                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------|
| Data rate                              | 10 Mbit/s                                                                        |
|                                        | 100 Mbit/s                                                                       |
|                                        | 1 Gbit/s                                                                         |
|                                        | 2.5 Gbit/s                                                                       |
|                                        | 5 Gbit/s                                                                         |
|                                        | 10 Gbit/s                                                                        |
| Insulation resistance                  | $> 5 \times 10^9 \Omega$                                                         |
| Contact resistance                     | $\leq 20 \text{ m}\Omega$                                                        |
| Limiting temperature                   | -40 ... +70 °C                                                                   |
| Relative humidity                      | 95 % Non-condensing (operation)                                                  |
| Insertion force                        | 25 N                                                                             |
| Withdrawal force                       | 25 N                                                                             |
| Mating cycles                          | $\geq 750$                                                                       |
| Degree of protection acc. to IEC 60529 | IP20                                                                             |
| Cable diameter                         | 4.5 ... 9 mm                                                                     |
| Test voltage $U_{DC}$                  | 1 kV (contact-contact)                                                           |
|                                        | 1.5 kV (contact-ground)                                                          |
| Vibration resistance                   | 10-500 Hz, 5 g, 0.35 mm, 2h/axis                                                 |
|                                        | 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                     | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate |
| ECHA SCIP number                          | cb23d166-5e46-433f-a5dd-2c5c6285baaa                      |



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## Material properties

|                                      |               |
|--------------------------------------|---------------|
| California Proposition 65 substances | Not contained |
| Requirement set with Hazard Levels   | R26           |

## Specifications and approvals

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

## Commercial data

|                                |                                       |
|--------------------------------|---------------------------------------|
| Packaging size                 | 100                                   |
| Net weight                     | 14.69 g                               |
| Country of origin              | Romania                               |
| European customs tariff number | 85366990                              |
| GTIN                           | 5713140059450                         |
| eCl@ss                         | 27440101 Rectangular connectors (set) |