Pushing Performance
Since 1945

RJI 10G RJ45 plug Cat6, 8p IDC angled

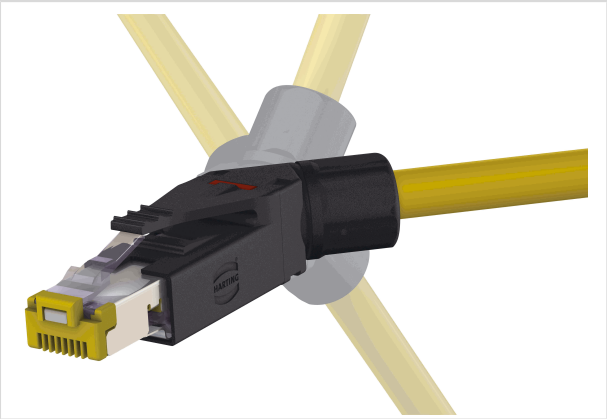


Image is for illustration purposes only. Please refer to product description.

Part number	09 45 151 1561
Specification	RJI 10G RJ45 plug Cat6, 8p IDC angled
HARTING eCatalogue	https://b2b.harting.com/09451511561

Identification

Category	Connectors
Series	HARTING RJ Industrial®
Element	Cable connector
Specification	45° angled

Version

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

Technical characteristics

Conductor cross-section	0.1 ... 0.32 mm²
Conductor cross-section	AWG 27/7 ... AWG 22/7 Stranded AWG 27/1 ... AWG 22/1 Solid
Wire outer diameter	1.6 mm
Rated current	1.75 A
Rated voltage	50 V AC 60 V DC
Transmission characteristics	Cat. 6 Class E_A up to 500 MHz
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s

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Technical characteristics

Insulation resistance	> 5 x 10^9 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 ... 8 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/s² 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
California Proposition 65 substances	Not contained
Requirement set with Hazard Levels	R26

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Specifications and approvals

Specifications	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	1
Net weight	25.3 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140059467
eCl@ss	27440114 Rectangular connector (for field assembly)

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