Pushing Performance
Since 1945

RJI 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	RJI 10G RJ45 plug Cat6, 8p IDC 100pcs.
HARTING eCatalogue	https://b2b.harting.com/09451511560XL

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 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

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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 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 ... 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/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	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one
California Proposition 65 substances	Not contained

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Material properties

Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26

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	100
Net weight	14.69 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140059450
ETIM	EC002636
eCl@ss	27440114 Rectangular connector (for field assembly)

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