

RJI 10G RJ45 plug Cat6, 8p IDC straight



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Part number	09 45 151 1560
Specification	RJI 10G RJ45 plug Cat6, 8p IDC straight
HARTING eCatalogue	https://b2b.harting.com/09451511560

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

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 ² 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			
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 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	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

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Specifications and approvals

Specifications	IEC 60603-7 Mating face ISO/IEC 11801 EN 50173-1 EN 45545-2 R26: HL1, HL2, HL3			
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	24 g			
Country of origin	Romania			
European customs tariff number	85366990			
eCl@ss	27440101 Rectangular connectors (set)			

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