

RJI MF RJ45 plug Cat6A, 8p IDC angled



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

Part number	09 45 151 1571
Specification	RJI MF RJ45 plug Cat6A, 8p IDC angled
HARTING eCatalogue	https://b2b.harting.com/09451511571

Identification

Category	Connectors
Series of hoods/housings	HARTING RJ Industrial®
Element	Connector
Specification	Multi Feature RJ45 90° angled
Features	Suitable for all PoE versions

Version

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

Technical characteristics

Conductor cross-section	0.12 ... 0.32 mm ² Stranded 0.12 ... 0.32 mm ² Solid
Conductor cross-section	AWG 26/7 ... AWG 22/7 Stranded AWG 26/1 ... AWG 22/1 Solid
Wire outer diameter	0.8 ... 1.6 mm
Rated current	1.76 A
Rated voltage	50 V AC 60 V DC
Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz



Pushing Performance
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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	$\leq 20 \text{ m}\Omega$
Contact resistance, shielding	$\leq 100 \text{ m}\Omega$
Limiting temperature	-40 ... +85 °C
Relative humidity	95 % Non-condensing (operation)
Insertion force	$\leq 25 \text{ N}$
Withdrawal force	$\leq 25 \text{ N}$
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, 0.35 mm / 50 m/s ² , 2h/Achse
	5.72 m/s ² acc. to IEC 61373 Category 1 Class B
Shock resistance	50 g / 30 ms, 3 shocks / axis and direction acc. to IEC 61373 Category 1 Class B

Material properties

Material (insert)	Polycarbonate (PC)
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side
	Sn over Ni Termination side
Material (hood/housing)	Zinc die-cast
Surface (hood/housing)	Nickel plated
Colour (hood/housing)	Silver
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained



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Material properties

REACH SVHC substances	Yes
REACH SVHC substances	Lead
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead

Specifications and approvals

Specifications	IEC 60603-7 Mating face
	ISO/IEC 11801
	EN 50173-1
Approvals	DNV GL

Commercial data

Packaging size	1
Net weight	34.37 g
Country of origin	Latvia
European customs tariff number	85366990
GTIN	5713140224346
eCl@ss	27440114 Rectangular connector (for field assembly)