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RJI MF RJ45 plug Cat6A, 8p IDC straight

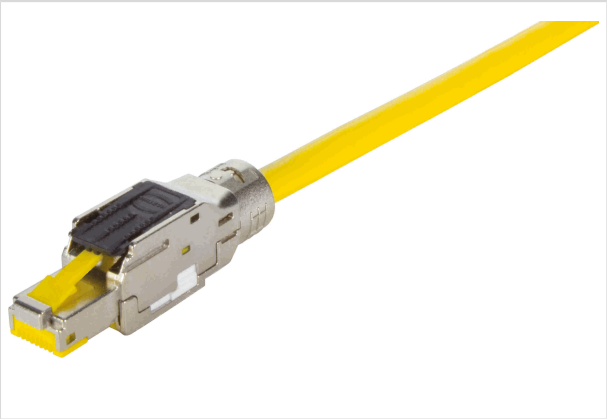


Image is for illustration purposes only. Please refer to product description.

Part number	09 45 151 1570
Specification	RJI MF RJ45 plug Cat6A, 8p IDC straight
HARTING eCatalogue	https://b2b.harting.com/09451511570

Identification

Category	Connectors
Series of hoods/housings	HARTING RJ Industrial®
Element	Connector
Specification	Multi Feature RJ45 Straight

Version

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

Technical characteristics

Conductor cross-section	0.12 ... 0.32 mm² Stranded 0.12 ... 0.32 mm² 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

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Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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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
Contact resistance, shielding	≤100 mΩ
Limiting temperature	-40 ... +85 °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)

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

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Material properties

California Proposition 65 substances	Lead

Specifications and approvals

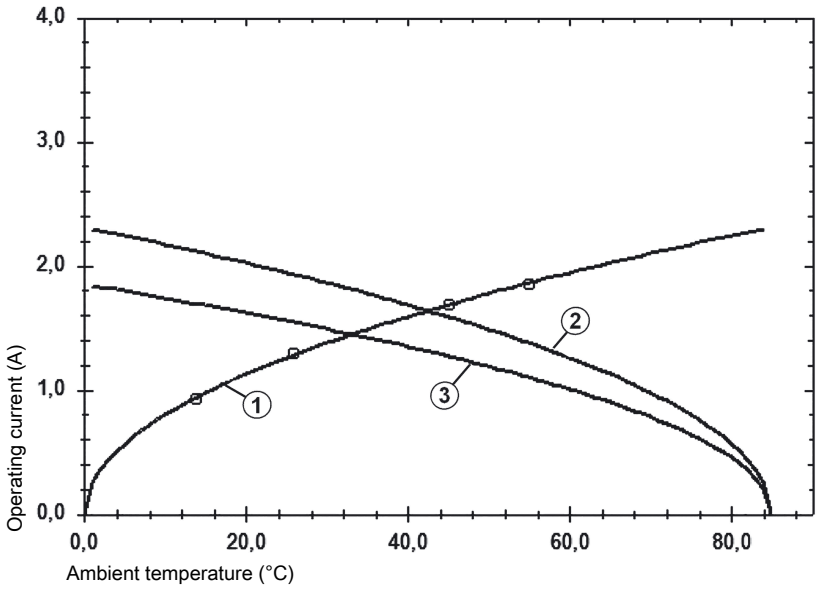
Specifications	IEC 60603-7 Mating face ISO/IEC 11801 EN 50173-1
Approvals	DNV GL

Commercial data

Packaging size	1
Net weight	23.06 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440114 Rectangular connector (for field assembly)

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.
Measuring and testing techniques acc. to IEC 60512-5-2



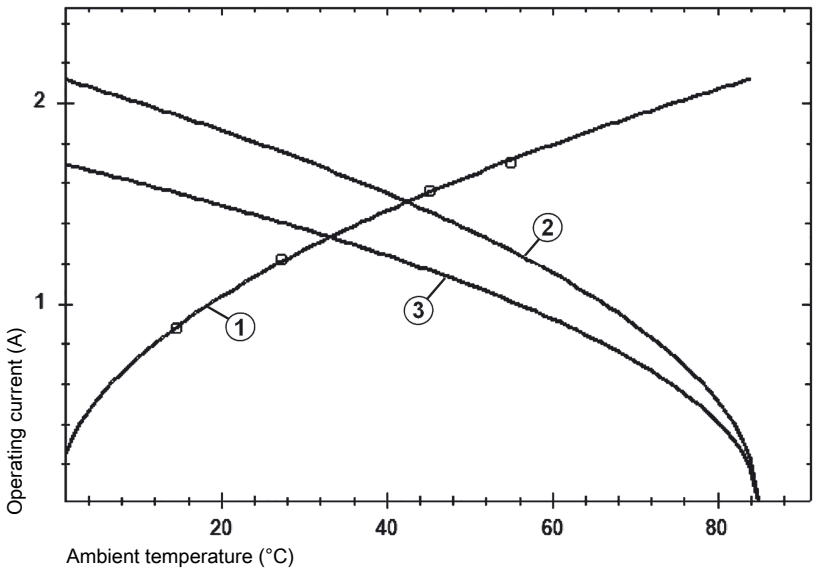
① Heating
② Derating curve
② Derating curve 80%
AWG 26/7

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Measuring and testing techniques acc. to IEC 60512-5-2



① Heating
② Derating curve
③ Derating curve 80%
AWG 23/1

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