Pushing Performance

RJI MF-PN RJ45 plug Cat5, 4p IDC angled

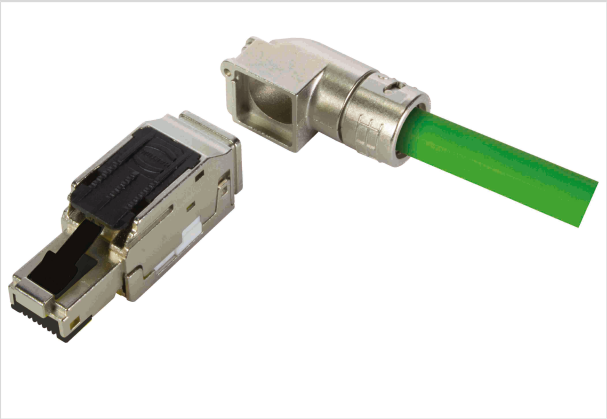

Image is for illustration purposes only. Please refer to product description.

Part number	09 45 151 1141
Specification	RJI MF-PN RJ45 plug Cat5, 4p IDC angled
HARTING eCatalogue	https://b2b.harting.com/09451511141

Identification

Category	Connectors
Series of hoods/housings	HARTING RJ Industrial®
Element	Connector
Specification	Multi Feature RJ45 90° angled

Version

Termination method	IDC termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	4

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. 5 Class D up to 100 MHz
Data rate	10 Mbit/s 100 Mbit/s
Insulation resistance	> 5 x 10^9 Ω

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Technical characteristics

Contact resistance	≤20 mΩ
Contact resistance, shielding	≤100 mΩ
Limiting temperature	-40 ... +85 °C
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 Tin plated 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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

Specifications and approvals

Specifications	IEC 60603-7 Mating face IEC 11801 EN 50173-1
Approvals	DNV GL
PROFINET	Yes

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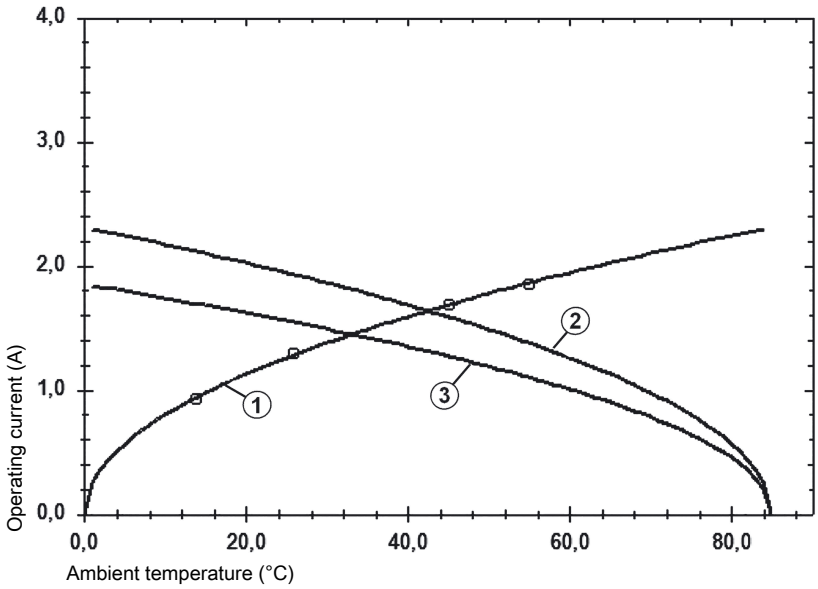
Pushing Performance

Commercial data

Packaging size	1
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440101 Rectangular connectors (set)

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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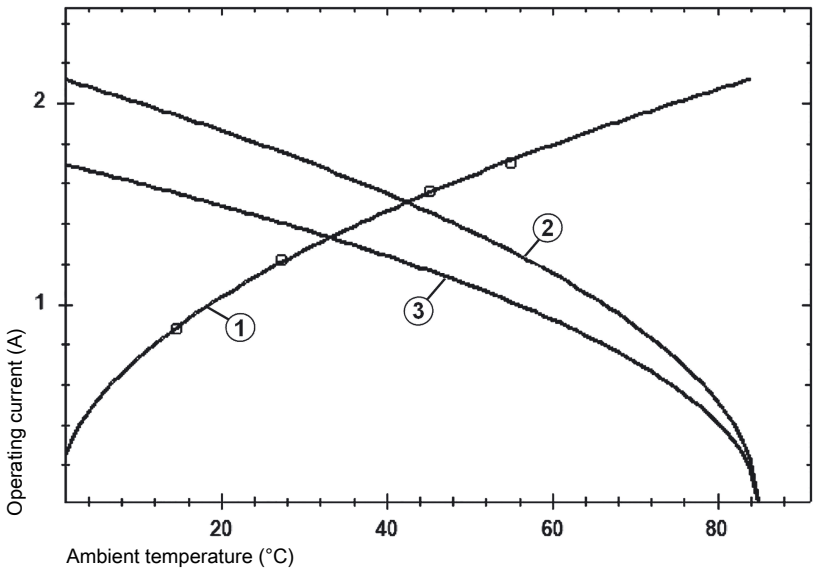

① Heating
② Derating curve
③ Derating curve 80%
AWG 23/1

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