

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



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

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

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 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. 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 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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes

 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
	IEC 11801
	EN 50173-1
Approvals	DNV GL

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Specifications and approvals

PROFINET	Yes
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Commercial data	
Packaging size	1
Net weight	34.16 g
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 (nonintermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC $60512\mathchar`-5\mathchar`-2$



1 Heating

② Derating curve③ Derating curve 80%

AWG 26/7

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



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