

## RJ45 MF RJ45 plug Cat6A, 8p IDC angled

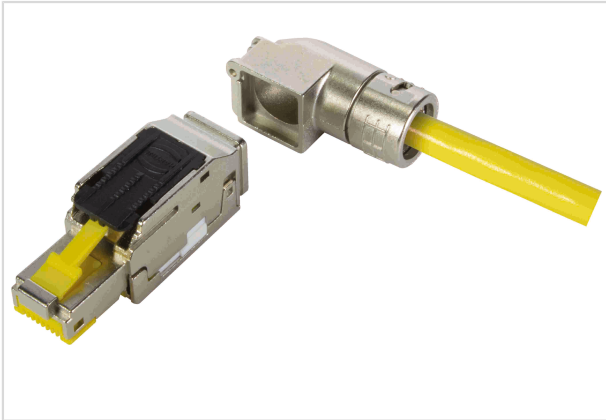


Image is for illustration purposes only. Please refer to product description.

Part number	09 45 151 1571
Specification	RJ45 MF RJ45 plug Cat6A, 8p IDC angled
HARTING eCatalogue	<a href="https://b2b.harting.com/09451511571">https://b2b.harting.com/09451511571</a>

### 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	8

### Technical characteristics

Conductor cross-section	0.12 ... 0.32 mm <sup>2</sup> Stranded
	0.12 ... 0.32 mm <sup>2</sup> 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 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz



Pushing Performance

## 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
Insertion force	$\leq 25 \text{ N}$
Withdrawal force	$\leq 25 \text{ N}$
Mating cycles	$\geq 750$
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



Pushing Performance

## Specifications and approvals

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

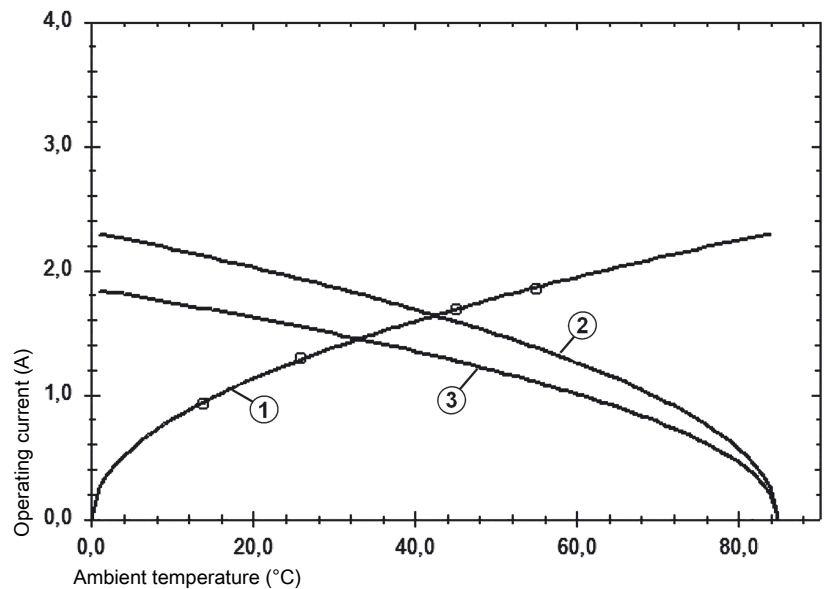
## Commercial data

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
  - ③ Derating curve 80%
- AWG 26/7

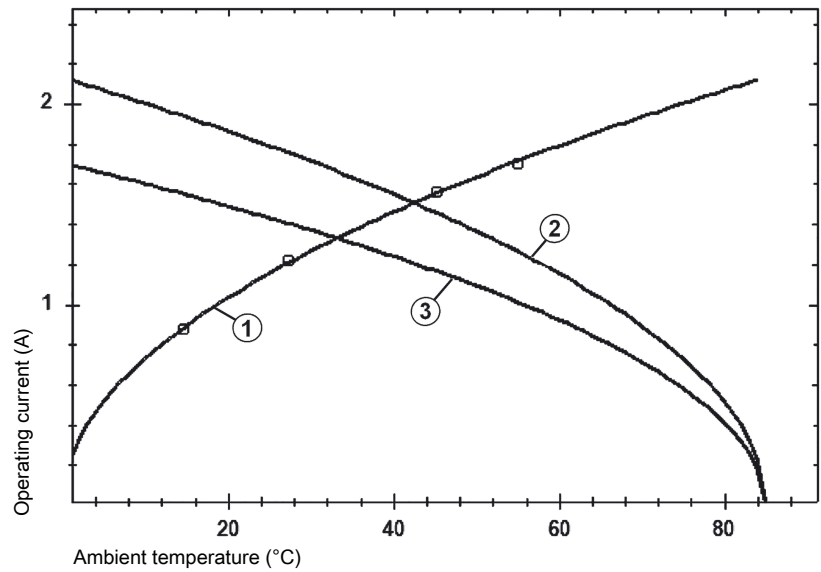


Pushing Performance

### 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
  - ③ Derating curve 80%
- AWG 23/1