

## Han 3A RJ45 MF Cat6A plug insert, 8p IDC



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

Part number	09 45 100 1570
Specification	Han 3A RJ45 MF Cat6A plug insert, 8p IDC
HARTING eCatalogue	<a href="https://harting.com/09451001570">https://harting.com/09451001570</a>

### Identification

Category	Connectors
Series	RJ45 HARTING RJ Industrial®
Series of hoods/housings	Han A®
Element	Cable connector
Specification	Multi Feature RJ45 PROFINET
Features	Suitable for all PoE versions

### Version

Termination method	IDC insulation displacement termination
Size	3 A
Shielding	Fully shielded, 360° shielding contact
Number of contacts	8
Pack contents	Connector insert

### Technical characteristics

Conductor cross-section	0.12 ... 0.32 mm² Stranded 0.12 ... 0.32 mm² Solid
Conductor cross-section [AWG]	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

## Technical characteristics

Rated voltage	50 V AC 60 V AC
Transmission characteristics	Cat. 6A Class EA up to 500 MHz
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)
Mating cycles	$\geq 750$
Cable diameter	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 <sup>2</sup> , 2h/axis 5.72 m/s <sup>2</sup> 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)	Silver 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

## Material properties

REACH SVHC substances	Lead
ECHA SCIP number	ecef7555-f643-4ceb-a337-fc54762297f1
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel

## Specifications and approvals

Specifications	IEC 60603-7 Mating face ISO/IEC 11801 EN 50173-1
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Approvals	DNV GL

## Commercial data

Packaging size	1
Net weight	41.7 g
Country of origin	Latvia
European customs tariff number	85366990
GTIN	5713140418967
eCl@ss	27440205 Contact insert for industrial connectors
ETIM	EC000438
UNSPSC 24.0	39121522