

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



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

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



Pushing Performance
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Technical characteristics

Rated voltage	50 V AC
	60 V AC
Transmission characteristics	Cat. 6 _A Class E _A 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	≥ 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 ² , 2h/axis
	5.72 m/s ² 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



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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