

Han PP RJ45 10G metal plug set



Part number	09 35 225 0401
Specification	Han PP RJ45 10G metal plug set
HARTING eCatalogue	https://b2b.harting.com/09352250401

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

Identification

Category	Connectors
Series	Han [®] PushPull (V14)
Identification	RJ45
Element	Connector sets
Specification	AIDA compliant
Features	Intuitive locking mechanism field assembly without tolls
Version	
Termination method	IDC termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	8
Locking type	PushPull
Pack contents	incl. housing and male insert
Technical characteristics	
Conductor cross-section	0.1 0.32 mm² Stranded 0.1 0.32 mm² Solid
Conductor cross-section	AWG 27/7 AWG 22/7 Stranded AWG 27/1 AWG 22/1 Solid
Wire outer diameter	≤1.6 mm
Rated current	1.75 A
Rated voltage	50 V
Transmission characteristics	Cat. 6 Class E _A up to 500 MHz

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Technical characteristics

Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Limiting temperature	-40 +70 °C
Mating cycles	≥750
Degree of protection acc. to IEC 60529	IP65 IP67
Cable diameter	4 11 mm
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 2h/axis 7.9 m/s² acc. to IEC 61373 Category 1 Class B
Shock resistance	5 g / 30 ms, 5 shocks / axis and direction acc. to IEC 61373 Category 1 Class B

Material properties

Surface (contacts)	Au over Ni Mating side Sn over Ni Termination side
Material (hood/housing)	Zinc die-cast
Surface (hood/housing)	Nickel plated
Material (O-ring)	NBR
Material (cable seal)	TPE
Material flammability class acc. to UL 94	V-0
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
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel Lead Antimony trioxide

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Specifications and approvals

Specifications	IEC 61076-3-117 Variant 14 (V14) IEC 60603-7 Mating face EN 45545-2 R22: HL1, HL2, HL3 EN 45545-2 R23: HL1, HL2, HL3
Approvals	DNV GL
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes
Commercial data	
Packaging size	1
Net weight	86.88 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27440101 Rectangular connectors (set)

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