



Pushing Performance  
Since 1945

# Han PP RJ45 10G plastic plug set



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

Part number	09 35 225 0421
Specification	Han PP RJ45 10G plastic plug set
HARTING eCatalogue	<a href="https://harting.com/09352250421">https://harting.com/09352250421</a>

## Identification

Category	Connectors
Series	Han® PushPull (V14)
Identification	RJ45
Element	Connector sets
Features	Intuitive locking mechanism
	Field assembly without tools
	Suitable for all PoE versions

## 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]	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 <sub>A</sub> 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
Clamping range	6.5 ... 9.5 mm
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 2h/axis
	7.9 m/s <sup>2</sup> 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)	Thermoplastic
Colour (hood/housing)	Black
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	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one
California Proposition 65 substances	Yes
California Proposition 65 substances	Antimony trioxide
	Lead
	Nickel
	Naphthalene



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## Specifications and approvals

Specifications	IEC 61076-3-117 Variant 14 (V14)
	IEC 60603-7 Mating face
	EN 45545-2
UL / CSA	UL 1977 ECBT2.E102079
	CSA-C22.2 No. 182.3 ECBT8.E102079
Approvals	DNV GL
PROFINET	Yes

## Commercial data

Packaging size	10
Net weight	21.82 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140054066
ETIM	EC002636
eCl@ss	27440114 Rectangular connector (for field assembly)