

Han PP Signal 10p plug plastic 6.5-9.5mm



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

Part number	09 35 261 0421
Specification	Han PP Signal 10p plug plastic 6.5-9.5mm
HARTING eCatalogue	https://b2b.harting.com/09352610421

Identification

Category	Connectors
Series	Han [®] PushPull (V14)
Identification	Signal
Element	Connector sets
Features	Intuitive locking mechanism

Version

Termination method	Crimp termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	10
Locking type	PushPull
Pack contents	incl. plastic housing and female insert

Technical characteristics

Conductor cross-section	0.13 ... 0.82 mm ²
Conductor cross-section	AWG 26 ... AWG 18
Wire outer diameter	≤2.1 mm
Contact spacing (termination side)	2.4 mm 3 mm
Contact spacing (mating side)	2.4 mm 3 mm
Rated current	5 A
Rated voltage	50 V
Rated impulse voltage	1.5 kV



Pushing Performance

Technical characteristics

Pollution degree	3
Clearance distance	≥1.1 mm
Creepage distance	≥1.1 mm
Insulation resistance	>10 ⁹ Ω
Contact resistance	≤10 mΩ
Limiting temperature	-40 ... +85 °C
Insertion force	50 N
Withdrawal force	50 N
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 IP67
Cable diameter	6.5 ... 9.5 mm
Test voltage U _{r.m.s.}	1.5 kV (contact-contact) 1.5 kV (contact-ground)
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 10 sweep cycles acc. to IEC 61373 Category 1 Class B
Shock resistance	50 g / 11 ms, 10 shocks / axis and direction

Material properties

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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead
California Proposition 65 substances	Yes



Pushing Performance

Material properties

California Proposition 65 substances	Nickel
	Lead
	Naphthalene

Specifications and approvals

Specifications	IEC 61076-3-117 Variant 14 (V14)
	IEC PAS 61076-3-119 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

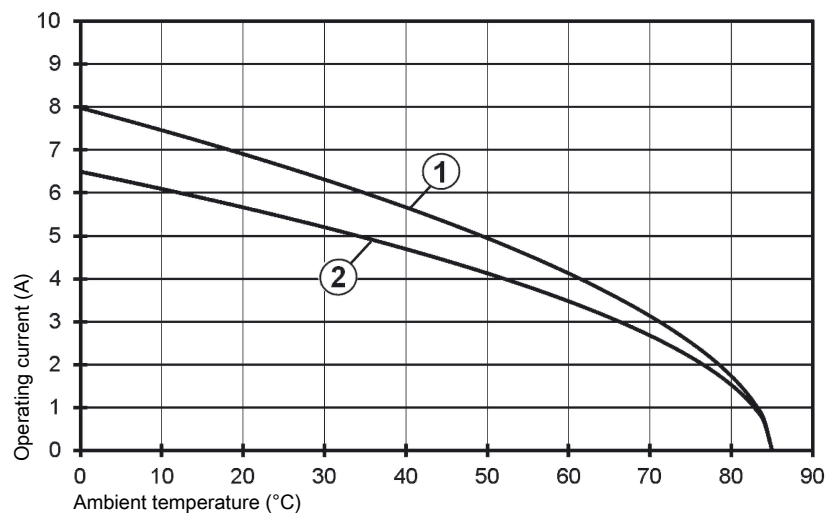
Commercial data

Packaging size	10
Net weight	46.7 g
Country of origin	Romania
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 Turned
 ② Stamped
 Conductor cross-section 0.75 mm²

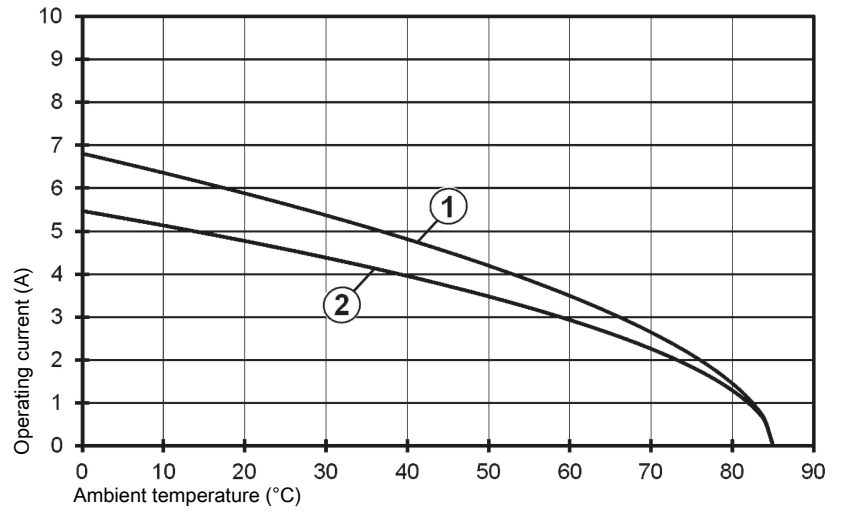


Pushing Performance

Current carrying capacity

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Measuring and testing techniques acc. to IEC 60512-5-2



- ① Turned
 - ② Stamped
- Conductor cross-section 0.5 mm²

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