



**Pushing Performance**  
Since 1945

## ix Industrial 10A-1 jack AV (T&R400)



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

Part number	09 45 281 2560
Specification	ix Industrial 10A-1 jack AV (T&R400)
HARTING eCatalogue	<a href="https://b2b.harting.com/09452812560">https://b2b.harting.com/09452812560</a>

### Identification

Category	Connectors
Series	HARTING ix Industrial®
Identification	Data
Element	PCB connector
Specification	Angled

### Version

Termination method	Solder termination
Shielding	Fully shielded, 360° shielding contact
Number of contacts	8
further contacts	+ 2x GND
Coding	Type A
Pack contents	On a reel

### Technical characteristics

Rated current	1.5 A
Rated current	3 A per contact when used with 4 contacts (1,2,6,7)
Rated voltage	50 V AC 60 V DC
Transmission characteristics	Cat. 6 <sub>A</sub> 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
Insulation resistance	>500 MΩ
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Relative humidity	95 % Non-condensing (operation)
	95 % Non-condensing (storage/transport)
Insertion force	≤25 N
Withdrawal force	≤25 N
Mating cycles	≥5,000
Degree of protection acc. to IEC 60529	IP20
Test voltage $U_{r.m.s.}$	0.5 kV

## Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Grey
Material (shielding)	Stainless steel
	Sn ≥ 1 µm over Ni ≥ 0.2 µm Mating side (shielding)
Material (contacts)	Copper alloy
Surface (contacts)	Au ≥ 0.2 µm over Ni ≥ 2 µm Mating side
	Au ≥ 0.03 µm over Ni ≥ 2 µm Termination side
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes



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Material properties

California Proposition 65 substances	Lead
	Nickel

Specifications and approvals

Specifications	IEC 61076-3-124
	EN 45545-2
UL / CSA	UL 1977 ECBT2.E102079
	CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes

Commercial data

Packaging size	400
Net weight	3.075 g
Country of origin	Japan
European customs tariff number	85366990
GTIN	5713140223073
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)