Pushing Performance
Since 1945

SEK-18 SV MA STD ANG29 RKZ 50P PL3

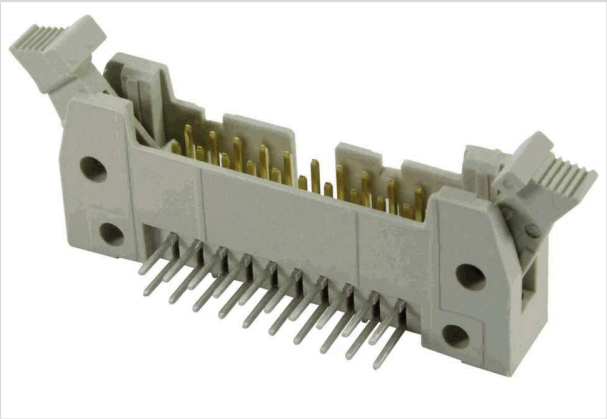

Image is for illustration purposes only. Please refer to product description.

Part number	09 18 550 7913
Specification	SEK-18 SV MA STD ANG29 RKZ 50P PL3
HARTING eCatalogue	https://b2b.harting.com/09185507913

Identification

Category	Connectors
Series	SEK Standard
Element	Male connector
Description of the contact	Angled

Version

Termination method	Wave soldering termination
Connection type	PCB to cable
Number of contacts	50
Termination length	2.9 mm
Locking type	With short levers

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	$>10^9$ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 ... +125 °C
Insertion force	≤150 N
Withdrawal force	≤150 N
Performance level	3 acc. to IEC 60603-13

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Technical characteristics

Mating cycles	≥50
Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)

Material properties

Material (insert)	Thermoplastic resin (PBT)
Colour (insert)	Grey
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Sn over Ni 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
California Proposition 65 substances	Antimony trioxide Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 60603-13
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Railway classification	F3/I3

Commercial data

Packaging size	50
Net weight	11.16 g
Country of origin	Romania
European customs tariff number	85366990

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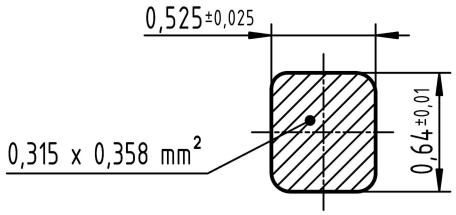
Commercial data

GTIN	5713140034556
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

Cross section of solder termination



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