Pushing Performance
Since 1945

SEK-18 SV MA STD ANG45 RLG 50P PLS4

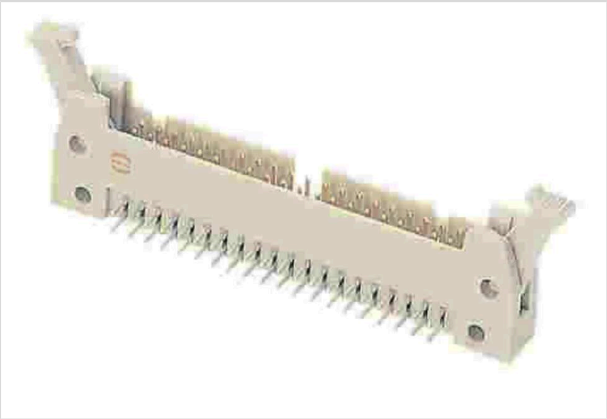


Image is for illustration purposes only. Please refer to product description.

Part number	09 18 550 5901
Specification	SEK-18 SV MA STD ANG45 RLG 50P PLS4
HARTING eCatalogue	https://harting.com/09185505901

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	4.5 mm
Locking type	With long 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	≤100 N
Withdrawal force	≤100 N
Performance level	NM 30 (S4)
Mating cycles	≥250

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Technical characteristics

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
Layer thickness	≥0.76 µm
Layer thickness	≥30 µinch
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	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
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 g
Country of origin	Romania
European customs tariff number	85366990

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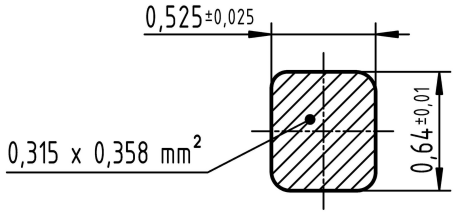
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Commercial data

GTIN	5713140033825
eCl@ss	27460201 PCB connector (board connector)
ETIM	EC002637
UNSPSC 24.0	39121415

Cross section of solder termination



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