



Pushing Performance  
Since 1945

# SEK-18 SV MA STD STR45 RLG 50P PLS4

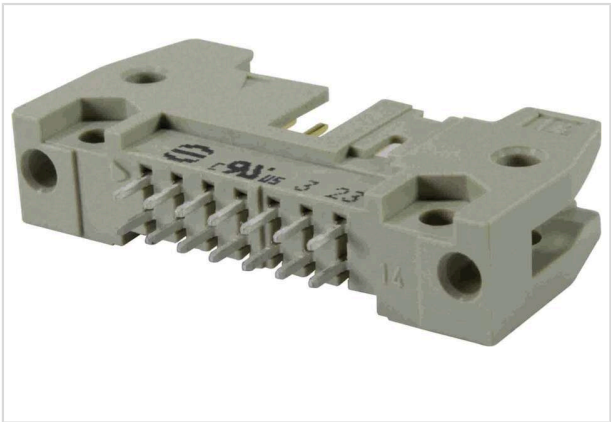


Image is for illustration purposes only. Please refer to product description.

Part number	09 18 550 5902
Specification	SEK-18 SV MA STD STR45 RLG 50P PLS4
HARTING eCatalogue	<a href="https://b2b.harting.com/09185505902">https://b2b.harting.com/09185505902</a>

## Identification

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

## 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	$>10^9 \Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$
Limiting temperature	-55 ... +125 °C
Insertion force	$\leq 100 \text{ N}$
Withdrawal force	$\leq 100 \text{ N}$
Performance level	NM 30 (S4)
Mating cycles	$\geq 250$



**Pushing Performance**  
Since 1945

## Technical characteristics

Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa ( $175 \leq CTI < 400$ )

## 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	$\geq 0.76 \mu\text{m}$
Layer thickness	$\geq 30 \mu\text{inch}$
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

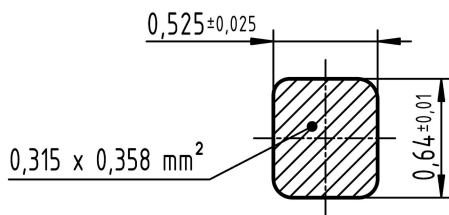
## Commercial data

Packaging size	50
Net weight	16.62 g
Country of origin	Romania

## Commercial data

European customs tariff number	85366990
GTIN	5713140033832
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

## Cross section of solder termination



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[HARTING:](#)

[09185505902](#)