



Pushing Performance  
Since 1945

# SEK-18 SV MA LP STR45 40P PLS4



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

Part number	09 18 540 5322
Specification	SEK-18 SV MA LP STR45 40P PLS4
HARTING eCatalogue	<a href="https://b2b.harting.com/09185405322">https://b2b.harting.com/09185405322</a>

## Identification

Category	Connectors
Series	SEK Low-profile
Element	Male connector
Description of the contact	Straight

## Version

Termination method	Wave soldering termination
Connection type	PCB to cable PCB to PCB
Number of contacts	40
Termination length	4.5 mm

## 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 and withdrawal force	$\leq 80 \text{ N}$
Performance level	NM 30 (S4)
Mating cycles	$\geq 250$
Test voltage $U_{r.m.s.}$	1 kV



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## Technical characteristics

Isolation group	IIIa ( $175 \leq CTI < 400$ )
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## 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	5.06 g
Country of origin	Romania
European customs tariff number	85366990

## Commercial data

GTIN	5713140032873
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

## Cross section of solder termination



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