



Pushing Performance  
Since 1945

# SEK-18 SV MA STD STR29 20P PL3 KINK



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

Part number	09 18 520 7024
Specification	SEK-18 SV MA STD STR29 20P PL3 KINK
HARTING eCatalogue	<a href="https://b2b.harting.com/09185207024">https://b2b.harting.com/09185207024</a>

## Identification

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

## Version

Termination method	Wave soldering termination
Connection type	PCB to cable
Number of contacts	20
Termination length	2.9 mm
Details	Through kinked contacts, connectors are simultaneously fixed on the PCB during assembly. They represent a particularly inexpensive alternative, since otherwise usual fixing elements such as screws, rivets or clips are not required.

## 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	$\leq 60 \text{ N}$
Withdrawal force	$\leq 60 \text{ N}$



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## Technical characteristics

Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50
Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa ( $175 \leq CTI < 400$ )
PCB thickness	1.5 mm +0.44

## 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	100
Net weight	8 g



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Commercial data

Country of origin	Switzerland
European customs tariff number	85366990
GTIN	5713140925809
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)

Cross section of solder termination

