

# SEK-19 SV HT MA LP STR29 20P PL3



Part number	09 19 520 7324
Specification	SEK-19 SV HT MA LP STR29 20P PL3
HARTING eCatalogue	https://b2b.harting.com/09195207324

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

## Identification

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

## Version

Termination method	Reflow soldering termination (THR)
Connection type	PCB to cable PCB to PCB
Number of contacts	20
Termination length	2.9 mm

## Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	>10 <sup>9</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion and withdrawal force	≤60 N
Performance level	3
Mating cycles	≥50
Test voltage U <sub>r.m.s.</sub>	1 kV

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## Technical characteristics

Isolation group	II (400 ≤ CTI < 600)
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## Material properties

' '	
Material (insert)	Thermoplastic resin (PCT)
Colour (insert)	Beige
Material (contacts)	Copper alloy
Surface (contacts)	Sn over Ni Termination side Gold plated Mating side
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	е
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No

# Specifications and approvals

IEC 60603-13
UL 1977 ECBT2.E102079
CSA-C22.2 No. 182.3 ECBT8.E102079

## Commercial data

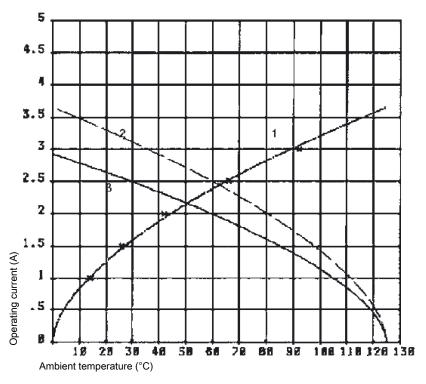
Packaging size	100
Net weight	2.54 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)



#### Current carrying capacity

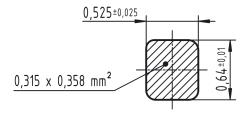
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



- ① Temperature raise
- ② Derating curve
- 3 Derating curve 80%

## Cross section of solder termination



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