

# SEK-19 SV HT MA STD STR29 RLG 16P PL3



Part number	09 19 516 7904
Specification	SEK-19 SV HT MA STD STR29 RLG 16P PL3
HARTING eCatalogue	https://b2b.harting.com/09195167904

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

## Identification

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

### Version

Termination method	Reflow soldering termination (THR)
Connection type	PCB to cable
Number of contacts	16
Termination length	2.9 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 <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	≤48 N
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50

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## **Technical characteristics**

Test voltage U <sub>r.m.s.</sub>	1 kV	
Isolation group	II (400 ≤ CTI < 600)	
Material properties		
Material (insert)	Thermoplastic resin (PCT)	
Colour (insert)	Beige	
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	Lead Nickel	
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

# Commercial data

Packaging size	100
Net weight	5.44 g
Country of origin	Switzerland
European customs tariff number	85366990
GTIN	5713140213500
eCl@ss	27460201 PCB connector (board connector)

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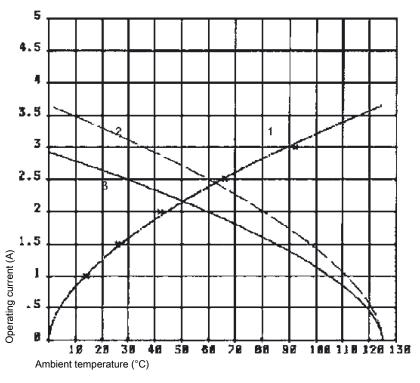


Since 1945

#### 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 (nonintermittent) 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

Derating curve

③ Derating curve 80%

### Cross section of solder termination



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