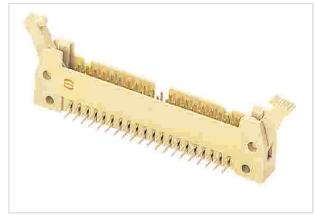


SEK-19 SV HT MA STD ANG29 RLG 16P PL2



Part number	09 19 516 6903
Specification	SEK-19 SV HT MA STD ANG29 RLG 16P PL2
HARTING eCatalogue	https://b2b.harting.com/09195166903

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

Identification

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

Version

Termination method	Reflow soldering termination (THR)
Locking type	With long levers
Connection type	PCB to cable
Number of contacts	16
Termination length	2.9 mm
Performance level	2

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	>10 ⁹ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion and withdrawal force	≤32 N
Mating cycles	≥250
Test voltage U _{r.m.s.}	1 kV

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Technical characteristics

Isolation group	II (400 ≤ CTI < 600)	
Material properties		
Material (insert)	Thermoplastic resin (PCT)	
Colour (insert)	Beige	
Material (contacts)	Copper alloy	
Surface (contacts)	Sn over Ni Termination side Au over Pd/Ni Mating side	
Material flammability class acc. to UL 94	V-0	
RoHS	compliant	
ELV status	compliant	
China RoHS	e	
REACH Annex XVII substances	No	
REACH ANNEX XIV substances	No	
REACH SVHC substances	No	

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 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)

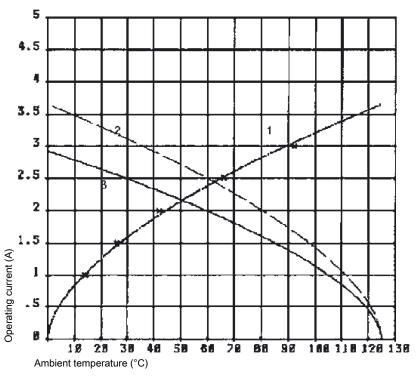
Page 2 / 3 | Creation date 2021-02-25 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



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

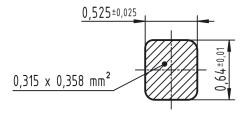


① Temperature raise

② Derating curve

③ Derating curve 80%

Cross section of solder termination



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