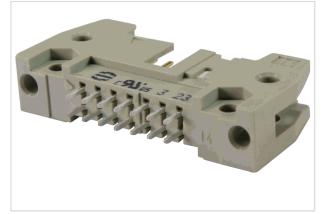


# SEK-18 SV MA STD STR29 RLG 06P PL2



Part number	09 18 506 6904
Specification	SEK-18 SV MA STD STR29 RLG 06P PL2
HARTING eCatalogue	https://b2b.harting.com/09185066904

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	Wave soldering termination
Connection type	PCB to cable
Number of contacts	6
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
Insertion and withdrawal force	≤12 N
Performance level	2 acc. to IEC 60603-13
Mating cycles	≥250

Page 1 / 3 | Creation date 2022-03-26 | 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



# Technical characteristics

recinical characteristics	
Test voltage U <sub>r.m.s.</sub>	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)
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

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

Page 2 / 3 | Creation date 2022-03-26 | 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 Product data sheet 09 18 506 6904 SEK-18 SV MA STD STR29 RLG 06P PL2

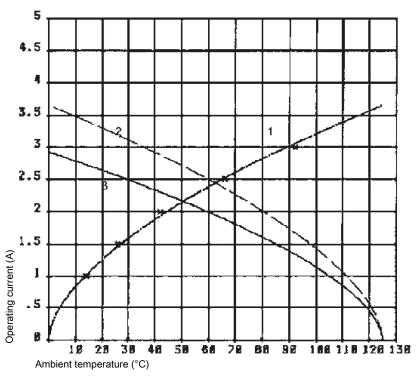


Since 1945

#### 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



Page 3 / 3 | Creation date 2022-03-26 | 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