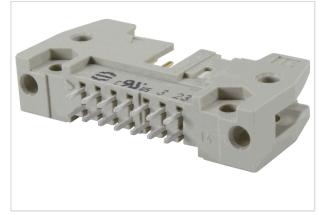


SEK-18 SV MA STD STR45 RLG 30P PL2



Part number	09 18 530 6902
Specification	SEK-18 SV MA STD STR45 RLG 30P PL2
HARTING eCatalogue	https://b2b.harting.com/09185306902

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	30
Termination length	4.5 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 ⁹ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C
Insertion and withdrawal force	≤60 N
Performance level	2 acc. to IEC 60603-13
Mating cycles	≥250

Page 1 / 3 | Creation date 2022-08-31 | 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

Test voltage U _{r.m.s.} 1 k	kV
Isolation group IIIa	a (175 ≤ CTI < 400)
Material properties	
Material (insert) The	nermoplastic resin (PBT)
Colour (insert) Gre	rey
Material (contacts) Co	opper alloy
Surface (confacts)	oble metal over Ni Mating side n over Ni Termination side
Material flammability class acc. to UL 94 V-0	0
RoHS con	ompliant
ELV status con	ompliant
China RoHS e	
REACH Annex XVII substances No	ot contained
REACH ANNEX XIV substances No	ot contained
REACH SVHC substances No	ot contained
California Proposition 65 substances Ye	es
California Proposition 65 substances	ntimony trioxide ead ickel
Requirement set with Hazard Levels R2	26

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	10.49 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140031845

Page 2 / 3 | Creation date 2022-08-31 | 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



Commercial data

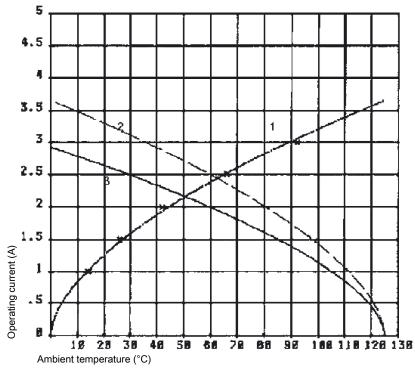
eCl@ss

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 (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

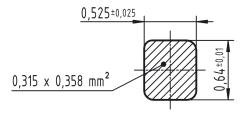


① Temperature raise

② Derating curve

③ Derating curve 80%

Cross section of solder termination



Page 3 / 3 | Creation date 2022-08-31 | 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