

# SEK-18 SV MA LP ANG45 10P PLS4



Part number	09 18 510 5321
Specification	SEK-18 SV MA LP ANG45 10P PLS4
HARTING eCatalogue	https://b2b.harting.com/09185105321

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	Angled

# Version

Termination method	Wave soldering termination
Connection type	PCB to cable
Number of contacts	10
Termination length	4.5 mm
Performance level	1 NM 30 (S4)

# Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Rated voltage	500 V
Insulation resistance	>10 <sup>9</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C
Insertion and withdrawal force	≤20 N
Test voltage U <sub>r.m.s.</sub>	1 kV

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## Technical characteristics

Isolation group	Illa (175 ≤ CTI < 400)
Material properties	
Material (insert)	Thermoplastic resin (PBT)
Colour (insert)	Grey
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 with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead
Specifications and approvals	
Specifications	IEC 60603-13
UL / CSA	UL 1977 ECBT2.E102079
	CSA-C22.2 No. 182.3 ECBT8.E102079
Railway classification	F3/l3
Commercial data	
Packaging size	100
Net weight	1.8 g
Country of origin	Switzerland
European customs tariff number	85366990
eCl@ss	27440402 PCB connector

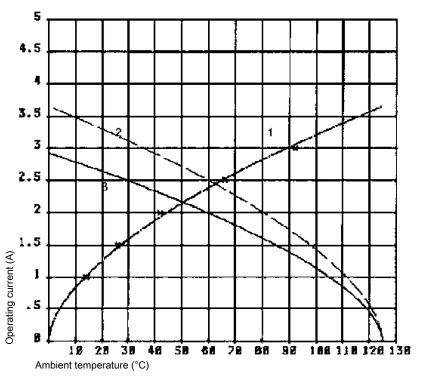
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#### Current carrying capacity

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

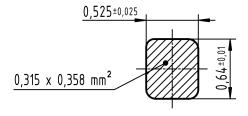


① Temperature raise

② Derating curve

③ Derating curve 80%

### Cross section of solder termination



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