

# SEK-18 SV MA LP ANG45 20P PLS4



Part number	09 18 520 5321
Specification	SEK-18 SV MA LP ANG45 20P PLS4
HARTING eCatalogue	https://b2b.harting.com/09185205321

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 Motherboard to daughtercard
Number of contacts	20
Termination length	4.5 mm

# **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	≤40 N
Performance level	NM 30 (S4)
Mating cycles	≥250
Test voltage U <sub>r.m.s.</sub>	1 kV

Page 1 / 3 | Creation date 2023-04-21 | 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 18 520 5321 SEK-18 SV MA LP ANG45 20P PLS4 This product is not orderable anymore. Please contact your local distribution partner.



### **Technical characteristics**

Isolation group	Illa (175 ≤ CTI < 400)
Material properties	
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
Layer thickness	≥0.76 µm
Layer thickness	≥30 µinch
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
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
Railway classification	F3/I3
Commercial data	
Packaging size	100
Net weight	4.72 g
Country of origin	Switzerland
European customs tariff number	85366990
GTIN	5713140029460

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Commercial data

eCl@ss

27460201 PCB connector (board connector)

Cross section of solder termination

