Product data sheet
09 18 520 5926
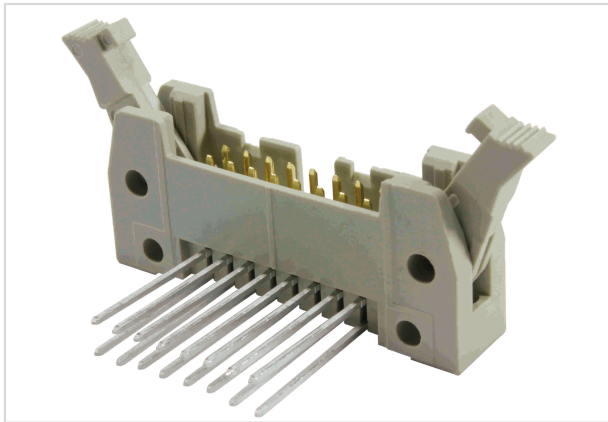SEK-18 SV MA STD ANGWW 20P PLS4
This product is not orderable anymore. Contact your local distribution partner for alternatives.

HARTING®

Pushing Performance

SEK-18 SV MA STD ANGWW 20P PLS4

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

Part number	09 18 520 5926
Specification	SEK-18 SV MA STD ANGWW 20P PLS4
HARTING eCatalogue	https://b2b.harting.com/09185205926

Identification

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

Version

Termination method	Wrap termination
Connection type	PCB to cable
Number of contacts	20
Termination length	15 mm

Technical characteristics

Dimensions wire wrap post	0.6 x 0.6 mm
Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	$>10^9 \ \Omega$
Contact resistance	≤20 mΩ
Limiting temperature	-55 ... +125 °C
Performance level	NM 30 (S4)
Mating cycles	≥250
Test voltage $U_{r.m.s.}$	1 kV

Page 1 / 3 | Creation date 2021-10-01 | 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
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Technical characteristics

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
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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel
	Lead
	Antimony trioxide

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	50
Net weight	12.6 g
Country of origin	Switzerland
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)

Page 2 / 3 | Creation date 2021-10-01 | 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.
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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 (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.
Measuring and testing techniques acc. to IEC 60512-5-2
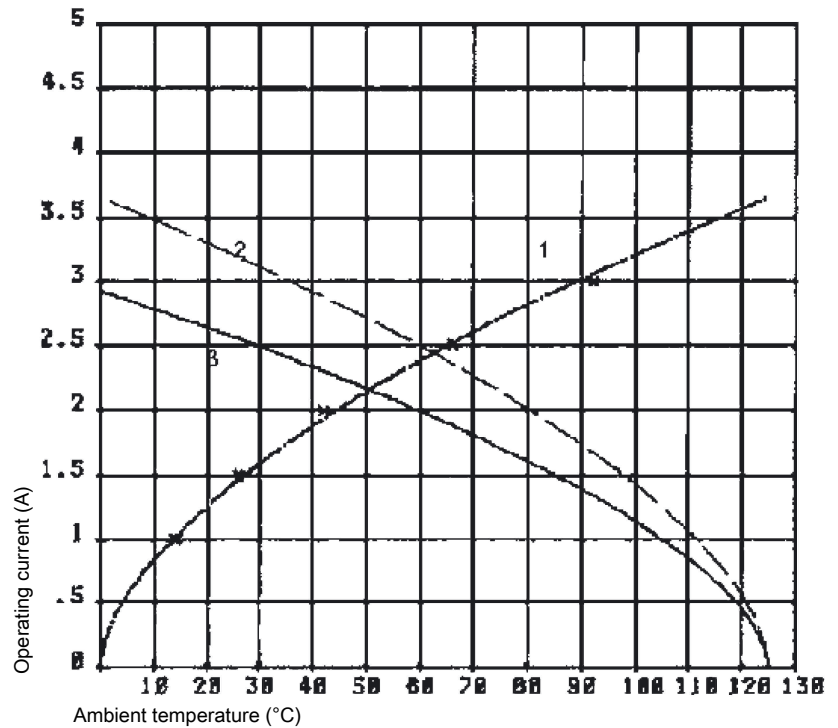
① Temperature raise
② Derating curve
③ Derating curve 80%

Cross section of solder termination