Pushing Performance

SEK-18 SV MA STD ANG45 RKZ 26P PL3

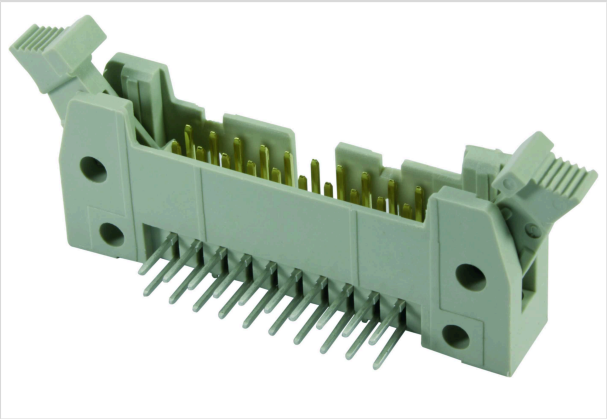

Image is for illustration purposes only. Please refer to product description.

Part number	09 18 526 7911
Specification	SEK-18 SV MA STD ANG45 RKZ 26P PL3
HARTING eCatalogue	https://b2b.harting.com/09185267911

Identification

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

Version

Termination method	Wave soldering termination
Locking type	With short levers
Connection type	PCB to cable
Number of contacts	26
Termination length	4.5 mm
Performance level	3

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Rated voltage	500 V
Insulation resistance	$>10^9$ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 ... +125 °C
Insertion and withdrawal force	≤78 N
Mating cycles	≥50

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Technical characteristics

Test voltage $U_{r.m.s.}$	1 kV
Isolation group	IIIa (175 ≤ CTI < 400)

Material properties

Material (insert)	Thermoplastic resin (PBT)
Colour (insert)	Grey
Material (contacts)	Copper alloy
Surface (contacts)	Sn over Ni Termination side Gold plated Mating side
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

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	9.8 g
Country of origin	Switzerland
European customs tariff number	85366990
eCl@ss	27440402 PCB connector

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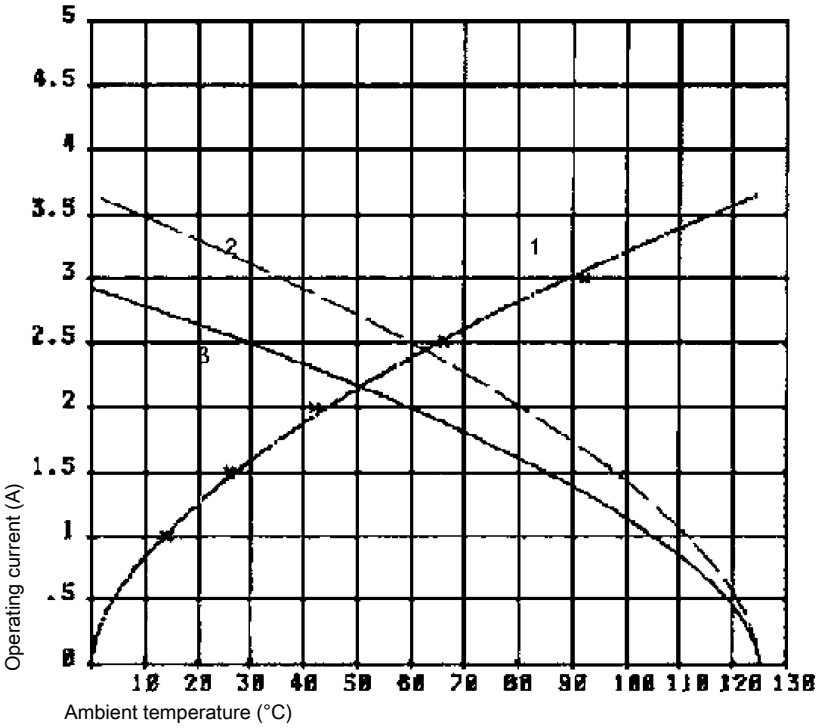
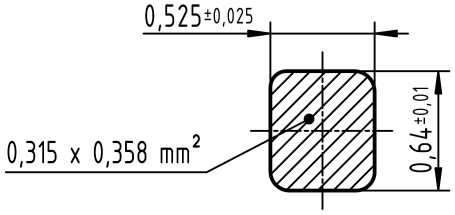
Current carrying capacity

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 (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



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