

SEK-18 SV MA STD STR45 RKZ 10P PL2

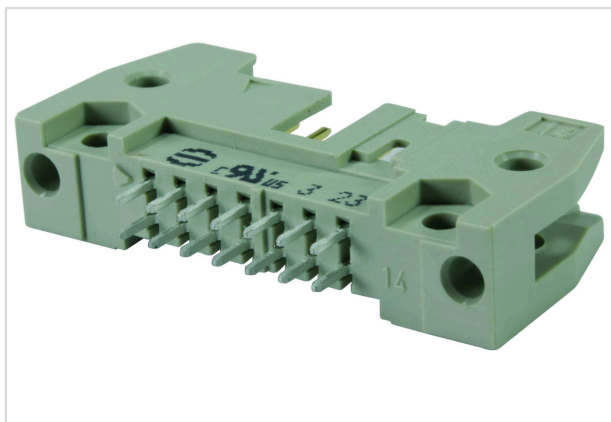


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Part number	09 18 510 6912
Specification	SEK-18 SV MA STD STR45 RKZ 10P PL2
HARTING eCatalogue	https://b2b.harting.com/09185106912

Identification

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

Version

Termination method	Wave soldering termination
Locking type	With short levers
Connection type	PCB to cable
Number of contacts	10
Termination length	4.5 mm
Performance level	2

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Rated voltage	500 V
Insulation resistance	$>10^9 \Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$
Limiting temperature	-55 ... +125 °C
Insertion and withdrawal force	$\leq 20 \text{ N}$
Mating cycles	≥ 250



Pushing Performance

Technical characteristics

Test voltage $U_{r.m.s.}$ 1 kV

Isolation group IIIa ($175 \leq CTI < 400$)

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

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 6.5 g

Country of origin Switzerland

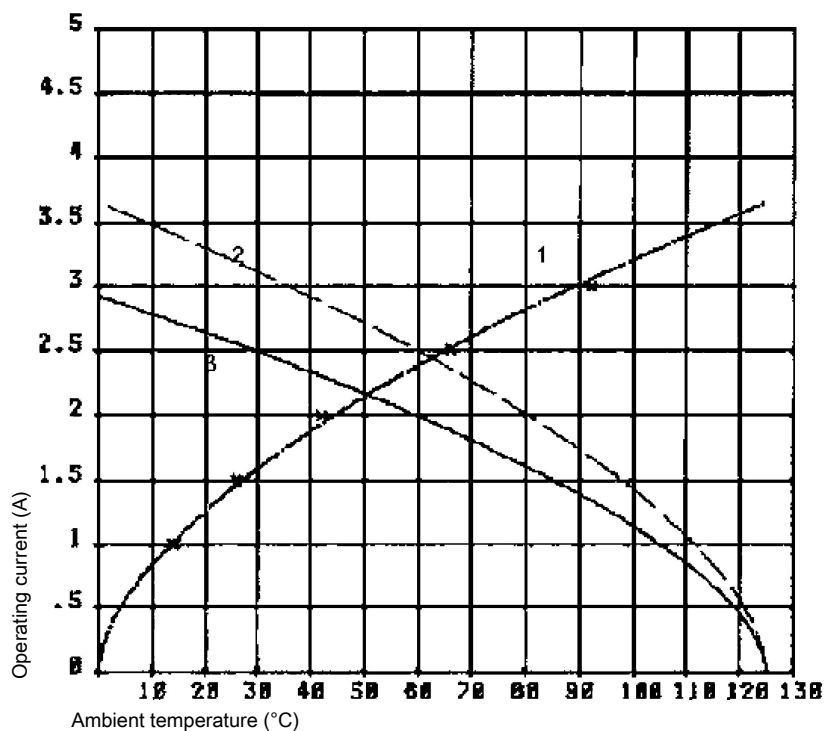
European customs tariff number 85366990

eCl@ss 27440402 PCB 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 (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

