

SEK-18 SV MA LP STR45 16P PL3

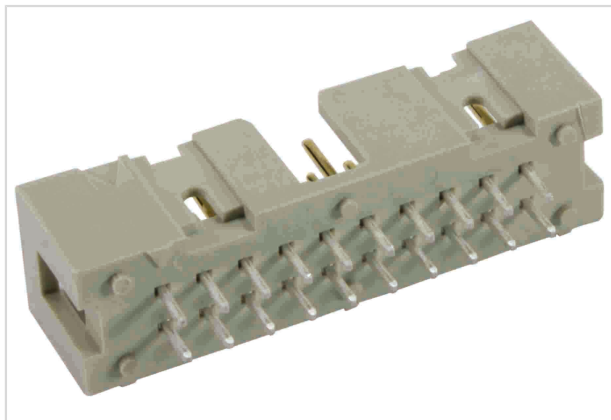


Image is for illustration purposes only. Please refer to product description.

Part number	09 18 516 7322
Specification	SEK-18 SV MA LP STR45 16P PL3
HARTING eCatalogue	https://b2b.harting.com/09185167322

Identification

Category	Connectors
Series	SEK Low-profile
Element	Male connector
Description of the contact	Straight

Version

Termination method	Wave soldering termination
Connection type	PCB to cable PCB to PCB
Number of contacts	16
Termination length	4.5 mm

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	$>10^9 \Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$
Limiting temperature	-55 ... +125 °C
Insertion and withdrawal force	$\leq 48 \text{ N}$
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥ 50



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) Noble metal over Ni Mating side
Sn over Ni Termination 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 3.35 g

Country of origin Romania

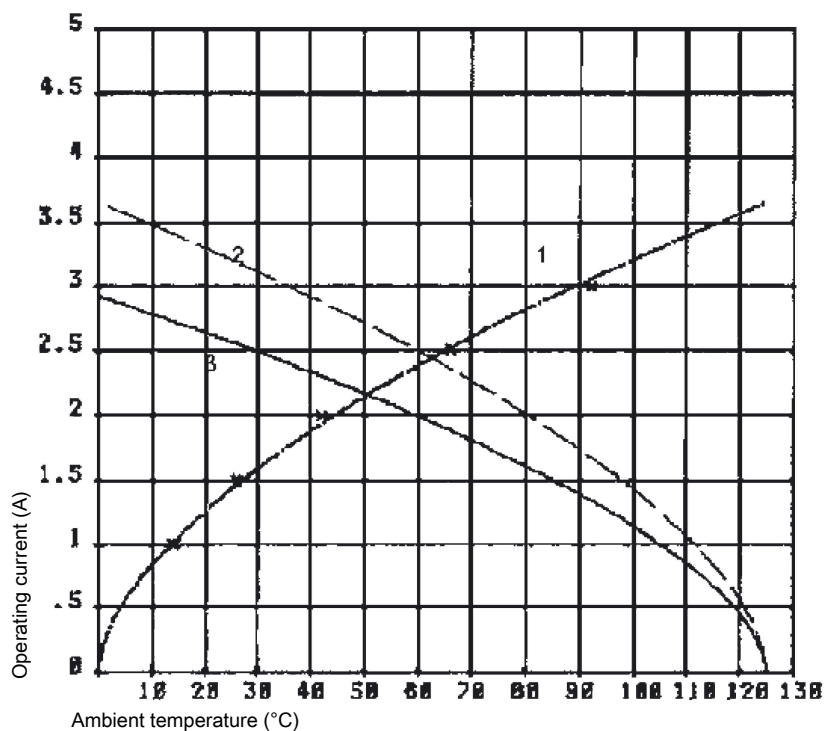
European customs tariff number 85366990

eCl@ss 27460201 PCB connector (board 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

