

# SEK-18 SV FE TYPA 40P PL2



Part number	09 18 540 6803
Specification	SEK-18 SV FE TYPA 40P PL2
HARTING eCatalogue	https://b2b.harting.com/09185406803

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

### Identification

Category	Connectors
Series	SEK
Element	Female connector

## Version

Connection type	PCB to cable
Number of contacts	40
Performance level	2
Details	for IDC flat cable 1.27 mm (0.050") pitch AWG 28/7 - AWG 26/7

## **Technical characteristics**

Contact rows	2
Contact spacing (termination side)	2.54 mm
Contact spacing (mating side)	1.27 mm
Rated current	2.5 A
Rated voltage	320 V
Insulation resistance	>10 <sup>9</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C
Insertion and withdrawal force	≤80 N
Mating cycles	≥250
Test voltage U <sub>r.m.s.</sub>	1 KV

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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)	Sn over Ni Termination side Au over Ni Mating side
Material flamma hility along and to LU OA	
Material flammability class acc. to UL 94	V-0
RoHS	v-0 compliant
RoHS	compliant
RoHS ELV status	compliant compliant
RoHS ELV status China RoHS	compliant compliant e
RoHS ELV status China RoHS REACH Annex XVII substances	compliant compliant e No

## Specifications and approvals

eCl@ss

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	1 g
Country of origin	Switzerland
European customs tariff number	85366990

27440309 Cable connector for printed circuit board

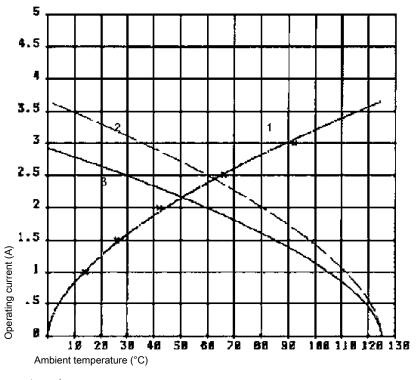
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#### Current carrying capacity

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 (nonintermittent) 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%

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