

# SEK-18 SV FE TYPA 16P PL3



Part number	09 18 516 7803
Specification	SEK-18 SV FE TYPA 16P PL3
HARTING eCatalogue	https://b2b.harting.com/09185167803

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

## Identification

Category	Connectors
Series	SEK
Element	Female connector

#### Version

Connection type P	PCB to cable
Number of contacts 16	16
Details	or IDC flat cable 1.27 mm (0.050") pitch

#### Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Contact spacing (mating side)	1.27 mm
Rated current	2.5 A
Insulation resistance	>10 <sup>9</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C
Insertion and withdrawal force	≤48 N
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50
Test voltage U <sub>r.m.s.</sub>	1 kV



## 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
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	е
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Antimony trioxide Nickel
Requirement set with Hazard Levels	R26

# 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

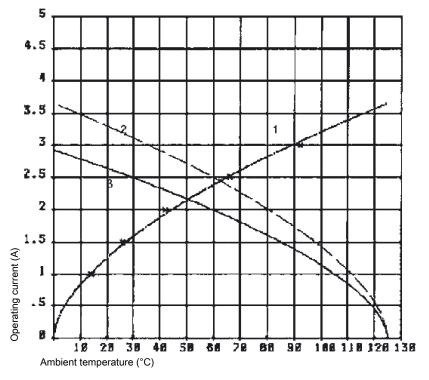
100
2.72 g
Romania
85366990
5713140029194
27460202 PCB connector (conductor connection)



#### 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%