

## SEK 2R 50P STD pre-assy cover W/O SR

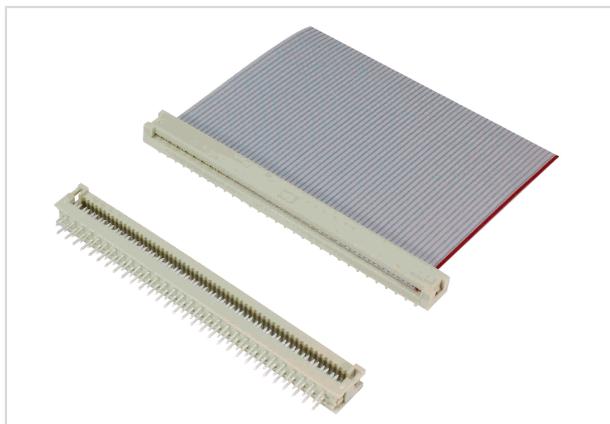


Image is for illustration purposes only. Please refer to product description.

### Identification

Category	Connectors
Series	SEK Low-profile
Element	PCB transition connectors
Description of the contact	Straight

### Version

Termination method	Solder termination IDC termination
Connection type	PCB to cable
Number of contacts	50
Termination length	2.9 mm
Details	for IDC flat cable 1.27 mm (0.050") pitch AWG 28/7

### Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Contact spacing (mating side)	1.27 mm
Mounting height	5.5 mm
Rated current	2.6 A
Rated voltage	320 V
Insulation resistance	>10 <sup>9</sup> Ω
Contact resistance	≤35 mΩ
Limiting temperature	-55 ... +105 °C

## Technical characteristics

Test voltage U <sub>r.m.s.</sub>	1 kV
Isolation group	II (400 ≤ CTI < 600)

## Material properties

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

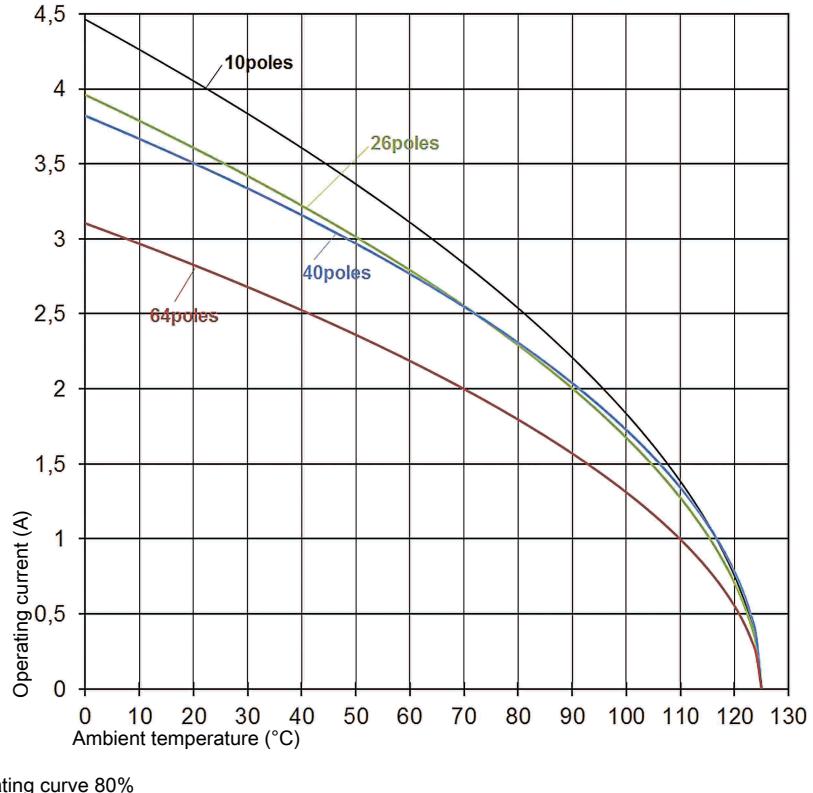
## Commercial data

Packaging size	50
Net weight	3.56 g
Country of origin	China
European customs tariff number	85366990
eCl@ss	27440309 Cable connector for printed circuit board

### 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



Derating curve 80%

### Cross section of solder termination

