

SEK-18 SV FE TYP A 50P PL3



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

Identification

| | |
|----------|------------------|
| Category | Connectors |
| Series | SEK |
| Element | Female connector |

Version

| | |
|--------------------|--|
| Termination method | IDC insulation displacement termination |
| Connection type | PCB to cable |
| Number of contacts | 50 |
| 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 |
| Insulation resistance | >10 ⁹ Ω |
| Contact resistance | ≤20 mΩ |
| Limiting temperature | -55 ... +125 °C |
| Insertion force | ≤150 N |
| Withdrawal force | ≤150 N |
| Performance level | 3 acc. to IEC 60603-13 |
| Mating cycles | ≥50 |

Page 1 / 3 | Creation date 2025-08-15 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application.

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Technical characteristics

| | |
|----------------------------------|------------------------|
| Test voltage U _{r.m.s.} | 1 kV |
| 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 | e |
| 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 | Nickel |
| Fire protection on railway vehicles | EN 45545-2 (2020-08) |
| 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

| | |
|--------------------------------|---|
| Packaging size | 100 |
| Net weight | 5.96 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140034402 |
| eCl@ss | 27460202 PCB connector (conductor connection) |
| ETIM | EC002637 |

Commercial data

UNSPSC 24.0

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