

SEK-18 SV FE TYPA 34P PL2 BULK UT



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

| | |
|--------------------|---|
| Part number | 09 18 534 6803 58U |
| Specification | SEK-18 SV FE TYPA 34P PL2 BULK UT |
| HARTING eCatalogue | https://b2b.harting.com/0918534680358U |

Identification

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

Version

| | |
|--------------------|--|
| Connection type | PCB to cable |
| Number of contacts | 34 |
| Performance level | 2 |
| Details | for IDC flat cable 1.27 mm (0.050") pitch AWG 28/7 - AWG 26/7 |
| Pack contents | 3000 pieces |

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 | $>10^9 \Omega$ |
| Contact resistance | $\leq 20 \text{ m}\Omega$ |
| Limiting temperature | -55 ... +125 °C |
| Insertion and withdrawal force | $\leq 68 \text{ N}$ |
| Mating cycles | ≥ 250 |



Pushing Performance

Technical characteristics

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|---------------------------|-------------------------------|
| Test voltage $U_{r.m.s.}$ | 1 kV |
| Isolation group | IIIa ($175 \leq CTI < 400$) |

Material properties

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|---|---|
| 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 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 | 3,000 |
| Net weight | 4.42 g |
| Country of origin | Switzerland |
| European customs tariff number | 85366990 |
| eCl@ss | 27440309 Cable connector for printed circuit board |

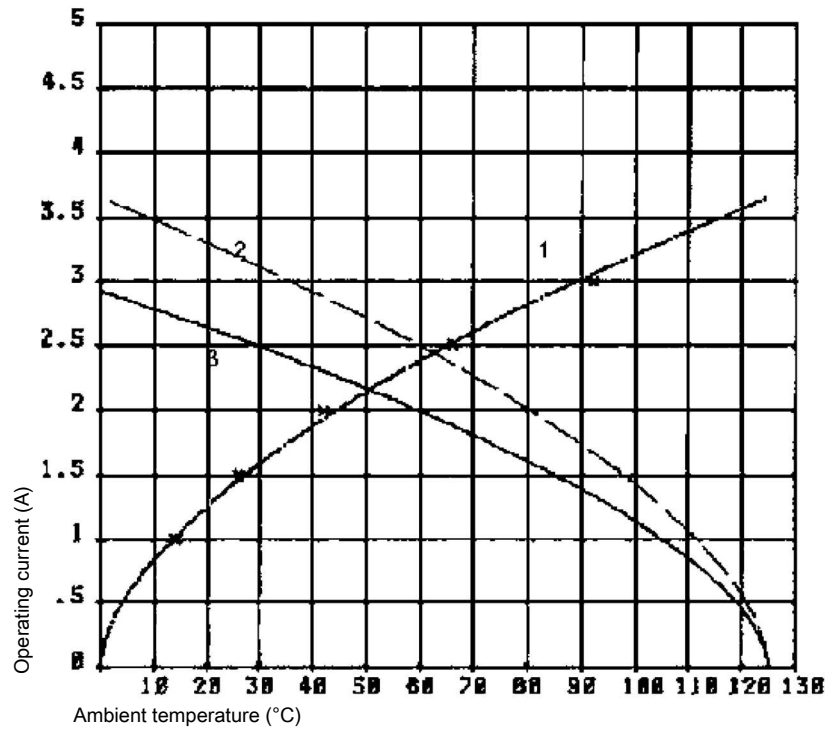


Pushing Performance

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%