

SEK-18 SV FE TYPA 20P PL2

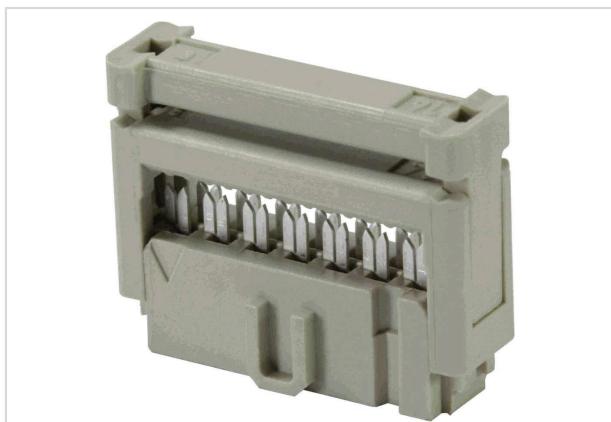


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| Part number | 09 18 520 6803 |
| Specification | SEK-18 SV FE TYPA 20P PL2 |
| HARTING eCatalogue | https://harting.com/09185206803 |

Identification

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

Version

| | |
|--------------------|--|
| Termination method | IDC insulation displacement termination |
| Connection type | PCB to cable |
| Number of contacts | 20 |
| 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 | $>10^9 \Omega$ |
| Contact resistance | $\leq 20 \text{ m}\Omega$ |
| Limiting temperature | -55 ... +125 °C |
| Insertion force | $\leq 40 \text{ N}$ |
| Withdrawal force | $\leq 40 \text{ N}$ |
| Performance level | 2 acc. to IEC 60603-13 |
| Mating cycles | ≥ 250 |

Page 1 / 3 | Creation date 2026-04-29 | 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.

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Technical characteristics

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

Material properties

| | |
|---|---|
| Material (insert) | Thermoplastic resin (PBT) |
| Colour (insert) | Grey |
| Material (contacts) | Copper alloy |
| Surface (contacts) | Au 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) + A1 (2023-10) |
| 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 | 3.2 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140029828 |
| eCl@ss | 27460202 PCB connector (conductor connection) |
| ETIM | EC002637 |



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Commercial data

UNSPSC 24.0

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