



Pushing Performance  
Since 1945

# SEK-18 SV FE TYP A 40P PL2



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 18 540 6803                                                                |
| Specification      | SEK-18 SV FE TYP A 40P PL2                                                    |
| HARTING eCatalogue | <a href="https://harting.com/09185406803">https://harting.com/09185406803</a> |

## Identification

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

## Version

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| Termination method | IDC insulation displacement termination                          |
| Connection type    | PCB to cable                                                     |
| Number of contacts | 40                                                               |
| Details            | for IDC flat cable 1.27 mm (0.050") pitch<br>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                    | $\leq 80 \text{ N}$       |
| Withdrawal force                   | $\leq 80 \text{ N}$       |
| Performance level                  | 2<br>acc. to IEC 60603-13 |
| Mating cycles                      | $\geq 250$                |



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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<br>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<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
| Railway classification | F3/I3                                                      |

## Commercial data

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| Packaging size                 | 100                                           |
| Net weight                     | 1 g                                           |
| Country of origin              | Romania                                       |
| European customs tariff number | 85366990                                      |
| GTIN                           | 5713140033191                                 |
| eCl@ss                         | 27460202 PCB connector (conductor connection) |
| ETIM                           | EC002637                                      |



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## Commercial data

UNSPSC 24.0

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