

# SEK-18 SV FE TYPA ANS 50P PL2



| Part number        | 09 18 550 6804                      |
|--------------------|-------------------------------------|
| Specification      | SEK-18 SV FE TYPA ANS 50P PL2       |
| HARTING eCatalogue | https://b2b.harting.com/09185506804 |

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

# Identification

| Category      | Connectors       |
|---------------|------------------|
| Series        | SEK              |
| Element       | Female connector |
| Specification | Closed end cover |

#### Version

| Connection type    | PCB to cable   |
|--------------------|--|
| Number of contacts | 50   |
| 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 <sup>9</sup> Ω        |
| Contact resistance                 | ≤20 mΩ                    |
| Limiting temperature               | -55 +125 °C               |
| Insertion force                    | ≤100 N                    |
| Withdrawal force                   | ≤100 N                    |
| Performance level                  | 2<br>acc. to IEC 60603-13 |
| Mating cycles                      | ≥250                      |

Page 1 / 3 | Creation date 2024-04-27 | 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<sub>r.m.s.</sub> 1 kV

Isolation group IIIa (175 ≤ 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                                | е  |
| 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<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
| Railway classification | F3/I3  |

### Commercial data

| Packaging size                 | 100           |
|--------------------------------|---------------|
| Net weight                     | 6.14 g        |
| Country of origin              | Romania       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140034099 |
| ETIM                           | EC002637      |

Product data sheet 09 18 550 6804 SEK-18 SV FE TYPA ANS 50P PL2



# Commercial data

| ا:Cد | @ss |  |
|------|-----|--|
|      |     |  |

27460202 PCB connector (conductor connection)

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