



Pushing Performance  
Since 1945

# SEK-18 SV FE TYPA ANS ZGL 16P PL2



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

|                    |   |
|--------------------|---|
| Part number        | 09 18 516 6814  |
| Specification      | SEK-18 SV FE TYPA ANS ZGL 16P PL2   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09185166814">https://b2b.harting.com/09185166814</a> |

## Identification

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

## Version

|                    |  |
|--------------------|--|
| Connection type    | PCB to cable   |
| Number of contacts | 16   |
| Strain relief      | With strain relief clamp   |
| 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 and withdrawal force     | $\leq 32 \text{ N}$       |
| Performance level                  | 2<br>acc. to IEC 60603-13 |
| Mating cycles                      | $\geq 250$                |



Pushing Performance  
Since 1945

## 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      | Antimony trioxide<br>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                     | 2.78 g        |
| Country of origin              | Romania       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140028937 |
| ETIM                           | EC002637      |



**Pushing Performance**  
Since 1945

## Commercial data

eCl@ss

27460202 PCB connector (conductor connection)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[HARTING:](#)

[09185166814](#)