

SEK-18 SV FE TYPA ANS 16P PL2



| Part number | 09 18 516 6804 |
|--------------------|-------------------------------------|
| Specification | SEK-18 SV FE TYPA ANS 16P PL2 |
| HARTING eCatalogue | https://b2b.harting.com/09185166804 |

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 | 16 |
| 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 Ω |
| Contact resistance | ≤20 mΩ |
| Limiting temperature | -55 +125 °C |
| Insertion and withdrawal force | ≤32 N |
| Performance level | 2 acc. to IEC 60603-13 |
| Mating cycles | ≥250 |



Technical characteristics

| Test voltage U _{r.m.s.} | 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 | Antimony trioxide Nickel |
| 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 | 2.66 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140028906 |
| eCl@ss | 27460202 PCB connector (conductor connection) |

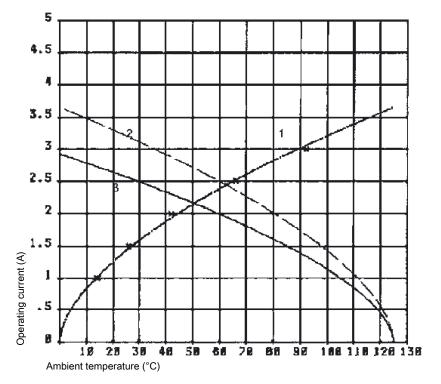


Current carrying capacity

60512-5-2

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



- ① Temperature raise
- ② Derating curve
- 3 Derating curve 80%