



Pushing Performance
Since 1945

SEK-18 SV MA STD STR45 RKZ 10P PLS4



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

| | |
|--------------------|---|
| Part number | 09 18 510 5912 |
| Specification | SEK-18 SV MA STD STR45 RKZ 10P PLS4 |
| HARTING eCatalogue | https://b2b.harting.com/09185105912 |

Identification

| | |
|----------------------------|----------------|
| Category | Connectors |
| Series | SEK Standard |
| Element | Male connector |
| Description of the contact | Straight |

Version

| | |
|--------------------|----------------------------|
| Termination method | Wave soldering termination |
| Connection type | PCB to cable |
| Number of contacts | 10 |
| Termination length | 4.5 mm |
| Locking type | With short levers |

Technical characteristics

| | |
|------------------------------------|---------------------------|
| Contact rows | 2 |
| Contact spacing (termination side) | 2.54 mm |
| Rated current | 1 A |
| Insulation resistance | $>10^9 \Omega$ |
| Contact resistance | $\leq 20 \text{ m}\Omega$ |
| Limiting temperature | -55 ... +125 °C |
| Insertion force | $\leq 20 \text{ N}$ |
| Withdrawal force | $\leq 20 \text{ N}$ |
| Performance level | NM 30 (S4) |
| Mating cycles | ≥ 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) | Noble metal over Ni Mating side Sn over Ni Termination side |
| Layer thickness | $\geq 0.76 \mu\text{m}$ |
| Layer thickness | $\geq 30 \mu\text{inch}$ |
| 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 Lead 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 CSA-C22.2 No. 182.3 ECBT8.E102079 |
| Railway classification | F3/I3 |

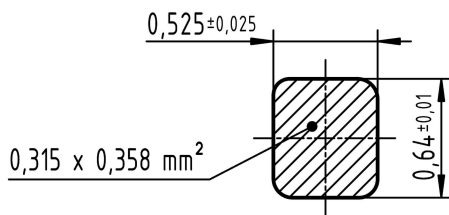
Commercial data

| | |
|-------------------|---------|
| Packaging size | 100 |
| Net weight | 4.7 g |
| Country of origin | Romania |

Commercial data

| | |
|--------------------------------|--|
| European customs tariff number | 85366990 |
| GTIN | 5713140026858 |
| ETIM | EC002637 |
| eCl@ss | 27460201 PCB connector (board connector) |

Cross section of solder termination



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