



Pushing Performance  
Since 1945

# SEK-18 SV MA STD STR29 50P PL2 KINK



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

|                    |   |
|--------------------|---|
| Part number        | 09 18 550 6024  |
| Specification      | SEK-18 SV MA STD STR29 50P PL2 KINK   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09185506024">https://b2b.harting.com/09185506024</a> |

## Identification

|                            |                    |
|----------------------------|--------------------|
| Category                   | Connectors         |
| Series                     | SEK Standard       |
| Element                    | Male connector     |
| Description of the contact | Straight<br>Kinked |

## Version

|                    |   |
|--------------------|---|
| Termination method | Wave soldering termination  |
| Connection type    | PCB to cable  |
| Number of contacts | 50  |
| Termination length | 2.9 mm  |
| Details            | Through kinked contacts, connectors are simultaneously fixed on the PCB during assembly. They represent a particularly inexpensive alternative, since otherwise usual fixing elements such as screws, rivets or clips are not required. |

## 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                    | $\leq 100 \text{ N}$      |
| Withdrawal force                   | $\leq 100 \text{ N}$      |



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## Technical characteristics

|                           |                               |
|---------------------------|-------------------------------|
| Performance level         | 2<br>acc. to IEC 60603-13     |
| Mating cycles             | ≥250                          |
| Test voltage $U_{r.m.s.}$ | 1 kV                          |
| Isolation group           | IIIa ( $175 \leq CTI < 400$ ) |
| PCB thickness             | 1.5 mm +0.44                  |

## Material properties

|   |  |
|---|--|
| Material (insert)                         | Thermoplastic resin (PBT)                                      |
| Colour (insert)                           | Grey   |
| Material (contacts)                       | Copper alloy   |
| Surface (contacts)                        | Noble metal 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>Lead<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 | 50     |
| Net weight     | 15.3 g |

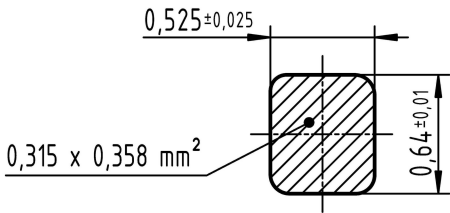


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Commercial data

|                                |  |
|--------------------------------|--|
| Country of origin              | Romania                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140214774                            |
| ETIM                           | EC002637                                 |
| eCl@ss                         | 27460201 PCB connector (board connector) |

Cross section of solder termination



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