



Pushing Performance  
Since 1945

# SEK-19 SV MA STD STR29 RKZ 64PPLS4KINK



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

|               |                                        |
|---------------|----------------------------------------|
| Part number   | 09 19 564 5014                         |
| Specification | SEK-19 SV MA STD STR29 RKZ 64PPLS4KINK |

## Identification

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

## Version

|                    |                                    |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (THR) |
| Connection type    | PCB to cable                       |
| Number of contacts | 64                                 |
| Termination length | 2.9 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 <sup>9</sup> Ω                                              |
| Contact resistance                 | ≤20 mΩ                                                          |
| Limiting temperature               | -55 ... +125 °C (during reflow soldering max. +240 °C for 60 s) |
| Performance level                  | NM 30 (S4)                                                      |
| Mating cycles                      | ≥250                                                            |
| Test voltage U <sub>r.m.s.</sub>   | 1 kV                                                            |



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## Technical characteristics

|                 |                             |
|-----------------|-----------------------------|
| Isolation group | II ( $400 \leq CTI < 600$ ) |
| PCB thickness   | 1.5 mm +0.44                |

## Material properties

|                                           |                                                                |
|-------------------------------------------|----------------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin (PCT)                                      |
| Colour (insert)                           | Beige                                                          |
| Material (contacts)                       | Copper alloy                                                   |
| Surface (contacts)                        | Noble metal over Ni Mating side<br>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                                                  |
| 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 |

## Commercial data

|                |                                          |
|----------------|------------------------------------------|
| Packaging size | 1                                        |
| GTIN           | 5713140915664                            |
| ETIM           | EC002637                                 |
| eCl@ss         | 27460201 PCB connector (board connector) |



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Cross section of solder termination

