

## SEK-18 SV MA STD STR45 20P PL3

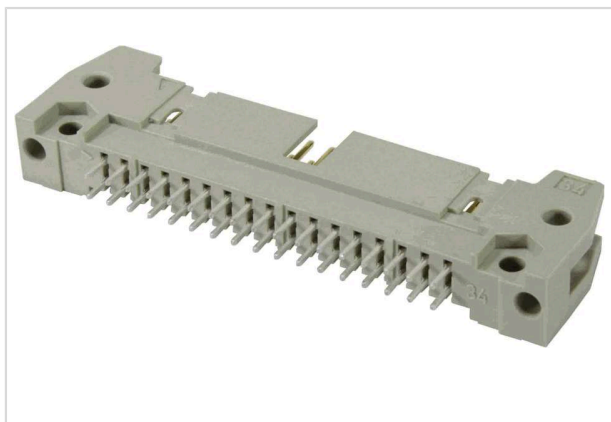


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 18 520 7922                                                                        |
| Specification      | SEK-18 SV MA STD STR45 20P PL3                                                        |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09185207922">https://b2b.harting.com/09185207922</a> |

### 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 | 20                         |
| Termination length | 4.5 mm                     |

### 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 and withdrawal force     | $\leq 60 \text{ N}$       |
| Performance level                  | 3<br>acc. to IEC 60603-13 |
| Mating cycles                      | $\geq 50$                 |
| Test voltage $U_{r.m.s.}$          | 1 kV                      |



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## Technical characteristics

|                 |                               |
|-----------------|-------------------------------|
| 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<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                                              |
|                                           | Lead                                                           |
|                                           | 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                     | 8.28 g                                   |
| Country of origin              | Romania                                  |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140030367                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |



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Cross section of solder termination

