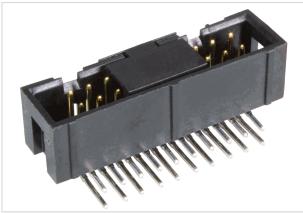


# SEK-18 SV MA LP ANG29 10P PL3 SCHWARZ



| Part number        | 09 18 510 7323 001                       |
|--------------------|--|
| Specification      | SEK-18 SV MA LP ANG29 10P PL3<br>SCHWARZ |
| HARTING eCatalogue | https://b2b.harting.com/09185107323001   |

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

## Identification

| Category                   | Connectors      |
|----------------------------|-----------------|
| Series                     | SEK Low-profile |
| Element                    | Male connector  |
| Description of the contact | Angled          |

#### Version

| Termination method | Wave soldering termination                  |
|--------------------|---|
| Connection type    | PCB to cable<br>Motherboard to daughtercard |
| Number of contacts | 10  |
| Termination length | 2.9 mm                                      |

## **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               |
| Insertion and withdrawal force     | ≤30 N                     |
| Performance level                  | 3<br>acc. to IEC 60603-13 |
| Mating cycles                      | ≥50                       |

Page 1 / 3 | Creation date 2022-03-10 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



### Technical characteristics

| Test voltage U <sub>r.m.s.</sub>          | 1 kV   |
|---|--|
| Isolation group                           | Illa (175 ≤ CTI < 400)   |
|   |  |
| Material properties                       |  |
| Material (insert)                         | Thermoplastic resin (PBT)                                      |
| Colour (insert)                           | Black  |
| 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  |
| 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                            | 1  |
| Country of origin                         | Switzerland  |
| European customs tariff number            | 85366990   |
| eCl@ss                                    | 27460201 PCB connector (board connector)                       |

Page 2 / 3 | Creation date 2022-03-10 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

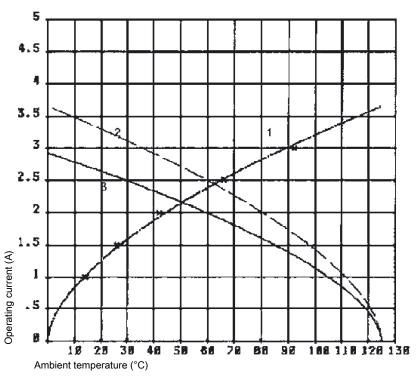
#### Product data sheet 09 18 510 7323 001 SEK-18 SV MA LP ANG29 10P PL3 SCHWARZ This product is not orderable anymore. Please contact your local distribution partner.



#### Current carrying capacity

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 (nonintermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2

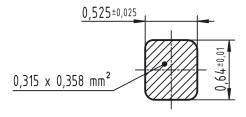


① Temperature raise

② Derating curve

③ Derating curve 80%

#### Cross section of solder termination



Page 3 / 3 | Creation date 2022-03-10 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com