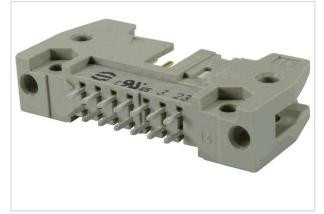


# SEK-18 SV MA STD STR29 RLG 40P PL2



| Part number        | 09 18 540 6904                        |
|--------------------|---------------------------------------|
| Specification      | SEK-18 SV MA STD STR29 RLG 40P<br>PL2 |
| HARTING eCatalogue | https://b2b.harting.com/09185406904   |

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

## 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 | 40                         |
| Termination length | 2.9 mm                     |
| Locking type       | With long 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               |
| Insertion force                    | ≤80 N                     |
| Withdrawal force                   | ≤80 N                     |
| Performance level                  | 2<br>acc. to IEC 60603-13 |

Page 1 / 3 | Creation date 2024-05-10 | 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

| Mating cycles                    | ≥250                   |
|----------------------------------|------------------------|
| 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)                           | 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                     | 13 g     |
| Country of origin              | Romania  |
| European customs tariff number | 85366990 |

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## Commercial data

GTIN

ETIM

eCl@ss

5713140033276

EC002637

27460201 PCB connector (board connector)

# Cross section of solder termination

