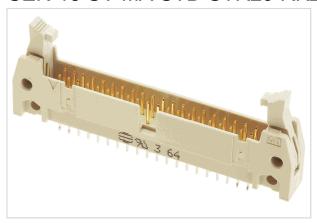


SEK-18 SV MA STD STR29 RKZ 40P PL3 KINK



| Part number | 09 18 540 7014 |
|--------------------|--|
| Specification | SEK-18 SV MA STD STR29 RKZ 40P PL3 KINK |
| HARTING eCatalogue | https://b2b.harting.com/09185407014 |

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 |
| | Kinked |

Version

| Termination method | Wave soldering termination |
|--------------------|---|
| Connection type | PCB to cable |
| Number of contacts | 40 |
| Termination length | 2.9 mm |
| Locking type | With short levers |
| 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 Ω |
| Contact resistance | ≤20 mΩ |
| Limiting temperature | -55 +125 °C |
| Insertion and withdrawal force | ≤120 N |

This product is not orderable anymore. Contact your local distribution partner for alternatives.



Technical characteristics

| Performance level | 3 acc. to IEC 60603-13 |
|----------------------------------|---------------------------|
| Mating cycles | ≥50 |
| Test voltage U _{r.m.s.} | 1 kV |
| Isolation group | IIIa (175 ≤ 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 Sn over Ni Termination side |
| Material flammability class acc. to UL 94 | V-0 |
| RoHS | compliant |
| ELV status | compliant |
| China RoHS | е |
| REACH Annex XVII substances | No |
| REACH ANNEX XIV substances | No |
| REACH SVHC substances | No |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Nickel Lead Antimony trioxide |

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 | 13.18 g |
| Country of origin | Switzerland |
| European customs tariff number | 85366990 |

Page 2 / 3 | Creation date 2021-10-01 | 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.

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Commercial data

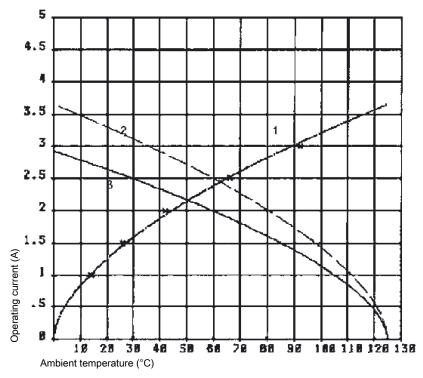
eCl@ss

27460201 PCB connector (board connector)

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 (non-intermittent) 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

