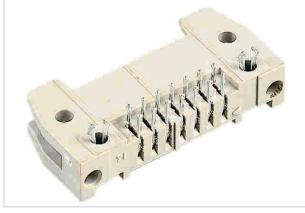


SEK-18 SV MA STD ANG29 RLG 50P PL2 CLIP



| Part number | 09 18 550 6953 |
|--------------------|--|
| Specification | SEK-18 SV MA STD ANG29 RLG 50P PL2 CLIP |
| HARTING eCatalogue | https://b2b.harting.com/09185506953 |

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

Identification

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

Version

| Termination method | Wave soldering termination |
|--------------------|----------------------------|
| Connection type | PCB to cable |
| Number of contacts | 50 |
| Termination length | 2.9 mm |
| PCB fixing | With board locks |
| Locking type | With long levers |

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 | ≤100 N |
| Performance level | 2 acc. to IEC 60603-13 |

Page 1 / 3 | Creation date 2022-09-01 | 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. 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 _{r.m.s.} | 1 kV |
| Isolation group | Illa (175 ≤ CTI < 400) |
| PCB thickness | 1.6 mm |

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 | 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 | 50 |
|--------------------------------|-------------|
| Net weight | 15.75 g |
| Country of origin | Switzerland |
| European customs tariff number | 85366990 |

Page 2 / 3 | Creation date 2022-09-01 | 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. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Commercial data

GTIN

eCl@ss

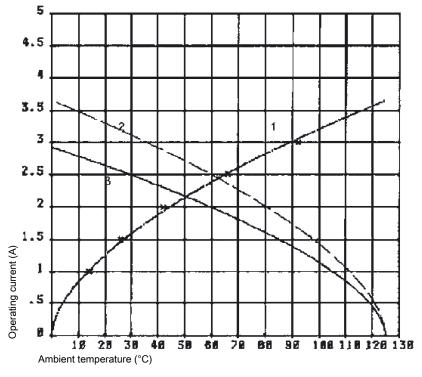
5713140034310

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

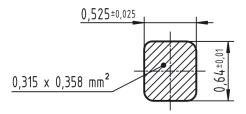
Measuring and testing techniques acc. to IEC 60512-5-2



① Temperature raise

② Derating curve③ Derating curve 80%

Cross section of solder termination



Page 3 / 3 | Creation date 2022-09-01 | 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. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com