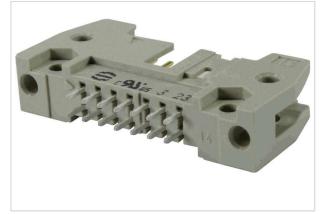


SEK-18 SV MA STD STR29 RKZ 40P PLS4



| Part number | 09 18 540 5914 |
|--------------------|--|
| Specification | SEK-18 SV MA STD STR29 RKZ 40P PLS4 |
| HARTING eCatalogue | https://b2b.harting.com/09185405914 |

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 short 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 | ≤80 N |
| Performance level | NM 30 (S4) |
| Mating cycles | ≥250 |
| Test voltage U _{r.m.s.} | 1 kV |

Page 1 / 3 | Creation date 2023-04-22 | 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

| Isolation group Illa (175 ≤ CTI < 400) Material properties Material (insert) Thermoplastic resin (PBT) Colour (insert) Grey Material (contacts) Copper alloy Material (contacts) Noble metal over Ni Mating side Surface (contacts) 20.76 µm Layer thickness 20.76 µm Layer thickness 20.076 µm Katerial flammability class acc. to UL 94 V-0 RoHS compliant ELV status compliant China RoHS Not contained RACH ANNEX XIV substances Not contained REACH ANNEX XIV substances Yes California Proposition 65 substances Yes California Proposition 65 substances Retaed Requirement set with Hazard Levels R26 | | |
|---|---|-----------------------------|
| Material (insert)Thermoplastic resin (PBT)Colour (insert)GreyMaterial (contacts)Copper alloySurface (contacts)Noble metal over Ni Mating side Sn over Ni Termination sideLayer thickness≥0.76 µmLayer thickness>30 µinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSNot containedREACH ANNEX XIV substancesNot containedREACH ANNEX XIV substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | Isolation group | IIIa (175 ≤ CTI < 400) |
| Material (insert)Thermoplastic resin (PBT)Colour (insert)GreyMaterial (contacts)Copper alloySurface (contacts)Noble metal over Ni Mating side Sn over Ni Termination sideLayer thickness≥0.76 µmLayer thickness>30 µinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSNot containedREACH ANNEX XIV substancesNot containedREACH ANNEX XIV substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | | |
| Colour (insert)GreyMaterial (contacts)Copper alloyBurface (contacts)Noble metal over Ni Mating side Sn over Ni Termination sideLayer thickness>0.76 µmLayer thickness>30 µinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVI substancesNot containedREACH ANNEX XIV substancesNot containedREACH SYHC substancesYesCalifornia Proposition 65 substancesYesAtimicant Proposition 65 substancesAntimony trioxide Lead Nickel | Material properties | |
| Material (contacts)Copper alloySurface (contacts)Noble metal over Ni Mating side Sn over Ni Termination sideLayer thickness≥0.76 μmLayer thickness≥30 μinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | Material (insert) | Thermoplastic resin (PBT) |
| Surface (contacts)Noble metal over Ni Mating side Sn over Ni Termination sideLayer thickness>0.76 µmLayer thickness>30 µinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | Colour (insert) | Grey |
| Surface (contacts)Sn over Ni Termination sideLayer thickness≥0.76 μmLayer thickness≥30 μinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesCalifornia Proposition 65 substancesYesAntimony trioxide Lead NickelNotel Contained | Material (contacts) | Copper alloy |
| Layer thickness≥0.76 μmLayer thickness≥30 μinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesYesCalifornia Proposition 65 substancesYesAttimony trioxide Lead Nickel | Surface (contacts) | |
| Layer thickness≥30 µinchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | | Sn over Ni Termination side |
| Material flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | Layer thickness | ≥0.76 µm |
| RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | Layer thickness | ≥30 µinch |
| ELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesAntimony trioxide Lead Nickel | Material flammability class acc. to UL 94 | V-0 |
| China RoHSeREACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | RoHS | compliant |
| REACH Annex XVII substancesNot containedREACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | ELV status | compliant |
| REACH ANNEX XIV substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesAntimony trioxide Lead Nickel | China RoHS | e |
| REACH SVHC substances Not contained California Proposition 65 substances Yes California Proposition 65 substances Antimony trioxide Lead Nickel | REACH Annex XVII substances | Not contained |
| California Proposition 65 substances Yes California Proposition 65 substances Antimony trioxide Lead Nickel | REACH ANNEX XIV substances | Not contained |
| California Proposition 65 substances Antimony trioxide Lead Nickel | REACH SVHC substances | Not contained |
| California Proposition 65 substances Lead Nickel | California Proposition 65 substances | Yes |
| Nickel | | • |
| | California Proposition 65 substances | |
| Requirement set with Hazard Levels R26 | | NICKEI |
| | Requirement set with Hazard Levels | R26 |

Specifications and approvals

| 1 11 | |
|--------------------------------|--|
| 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 | 12.96 g |
| Country of origin | Romania |
| European customs tariff number | 85366990 |
| GTIN | 5713140033047 |

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Commercial data

eCl@ss

27460201 PCB connector (board connector)

Cross section of solder termination

