

SEK-18 SV MA LP STR29 50P PL3



Part number	09 18 550 7324
Specification	SEK-18 SV MA LP STR29 50P PL3
HARTING eCatalogue	https://b2b.harting.com/09185507324

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	Straight

Version

Termination method	Wave soldering termination
Connection type	PCB to cable PCB to PCB
Number of contacts	50
Termination length	2.9 mm

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	≤150 N
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50



Technical characteristics

Test voltage U_{r.m.s.} 1 kV

Isolation group IIIa (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 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

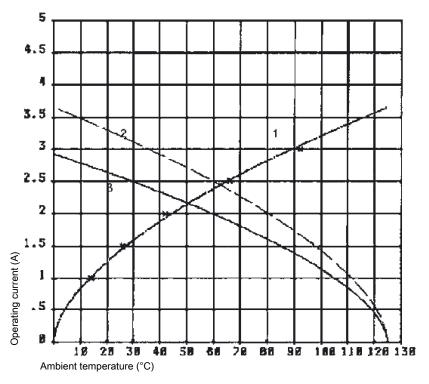
Packaging size	50
Net weight	5.78 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)



Current carrying capacity

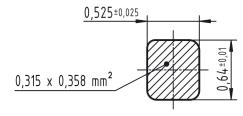
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the 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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for DIN 41612 Connectors category:

Click to view products by HARTING manufacturer:

Other Similar products are found below:

004.767 608489050008049 691327-1 74670-0732 74680-0340 75880-0015 76453-0014 86093159ALF 9732967801 QLC260R

120X10019X 120X10089X 122A10249X 122A10669X 122A11089X 122A13089X 122A10089X 122A10129X 122A10349X

122A13359X 1377391-4 DIN-048CPC-SR1-MH 1393583-2 1393726-7 140X10129X 143-1913-000 143-1908-000 1484472-1 2110070-1

2110070-2 CBC20T00-008FDS5-0-1-002VR 172699-5036 2-1393557-4 2-1437084-2 CTJ720E01B-6141 394506 419-2080-402

V42254B2202C968 419-2086-201 419-2087-002 448657-1 448847-3 5-1393755-9 02990000004 054302 043556 09062483201750

0850033067 09031646555 09061486901840