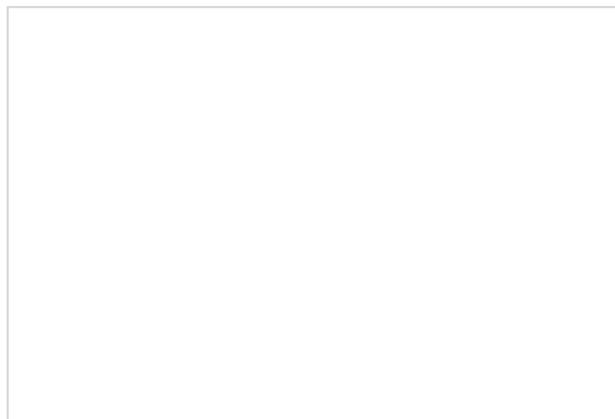




Pushing Performance
Since 1945

SEK-19 SV HT MA STD STR29 40P PL2 KINK



Part number	09 19 540 6024
Specification	SEK-19 SV HT MA STD STR29 40P PL2 KINK

Identification

Category	Connectors
Series	SEK Standard
Element	Male connector
Description of the contact	Straight Kinked

Version

Termination method	Reflow soldering termination (THR)
Connection type	PCB to cable
Number of contacts	40
Termination length	2.9 mm

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	$>10^9 \Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$
Limiting temperature	-55 ... +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion force	$\leq 80 \text{ N}$
Withdrawal force	$\leq 80 \text{ N}$
Performance level	2 acc. to IEC 60603-13
Mating cycles	≥ 250



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Technical characteristics

Test voltage $U_{r,m.s.}$	1 kV
Isolation group	II ($400 \leq CTI < 600$)
PCB thickness	1.5 mm +0.44

Material properties

Material (insert)	Thermoplastic resin (PCT)
Colour (insert)	Beige
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
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 CSA-C22.2 No. 182.3 ECBT8.E102079

Commercial data

Packaging size	1
GTIN	5713140916791
ETIM	EC002637
eCl@ss	27460201 PCB connector (board connector)



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Cross section of solder termination

