Pushing Performance
Since 1945

SEK-18 SV FE TYPA 50P PL3



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

Part number	09 18 550 7803
Specification	SEK-18 SV FE TYPA 50P PL3
HARTING eCatalogue	https://harting.com/09185507803

Identification

Category	Connectors
Series	SEK
Element	Female connector

Version

Termination method	IDC insulation displacement termination
Connection type	PCB to cable
Number of contacts	50
Details	for IDC flat cable 1.27 mm (0.050″) pitch AWG 28/7 - AWG 26/7

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Contact spacing (mating side)	1.27 mm
Rated current	2.5 A
Insulation resistance	$>10^9$ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 ... +125 °C
Insertion force	≤150 N
Withdrawal force	≤150 N
Performance level	3 acc. to IEC 60603-13
Mating cycles	≥50

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

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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	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	Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
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	100
Net weight	5.96 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140034402
eCl@ss	27460202 PCB connector (conductor connection)
ETIM	EC002637

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