

SEK-18 SV FE TYPA ANS 20P PLS4



Part number	09 18 520 5804
Specification	SEK-18 SV FE TYPA ANS 20P PLS4
HARTING eCatalogue	https://b2b.harting.com/09185205804

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

Identification

Category	Connectors
Series	SEK
Element	Female connector
Specification	Closed end cover

Version

Connection type	PCB to cable
Number of contacts	20
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 and withdrawal force	≤40 N
Performance level	NM 30 (S4)
Mating cycles	≥250
Test voltage U _{r.m.s.}	1 kV

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Technical characteristics

Material properties Material (insert) Thermoplastic resin (PBT) Colour (insert) Grey Material (contacts) Copper alloy Surface (contacts) Noble metal over Ni Mating side Surface (contacts) Noble metal over Ni Mating side Layer thickness 20.76 µm Layer thickness 230 µinch Material flammability class acc. to UL 94 V-0 RoHS compliant ELV status compliant China RoHS e REACH Annex XVII substances Not contained RACH SVHC substances Not contained California Proposition 65 substances Yes California Proposition 65 substances Yes Specifications and approvals IEC 60603-13 UL / CSA UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079 Ralway classification F3/13	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 thickness20.76 µmLayer thickness230 µnchMaterial flammability class acc. to UL 94V-0RoHScompliantELV statuscompliantChina RoHSeREACH Annex XVII substancesNot containedREACH SVHC substancesNot containedCalifornia Proposition 65 substancesYesCalifornia Proposition 65 substancesYesSpecifications and approvalsEC 60603-13UL / CSAUL 1977 ECBT2 E102079 CSA-C222 No. 182.3 ECBT8.E102079Raiway classificationFollaPackaging size100Country of originRomaniaEuropean customs tariff number85366990GTN573140020521		
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	European customs tariff number	85366990
eCl@ss 27460202 PCB connector (conductor connection)	GTIN	5713140029521
	eCl@ss	27460202 PCB connector (conductor connection)

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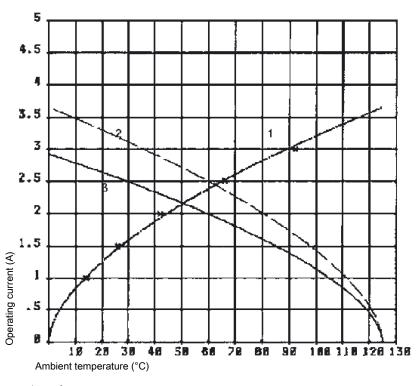


Since 1945

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 curve

③ Derating curve 80%

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