

SEK-18 SV FE TYPA ZGL 20P PLS4 BULK

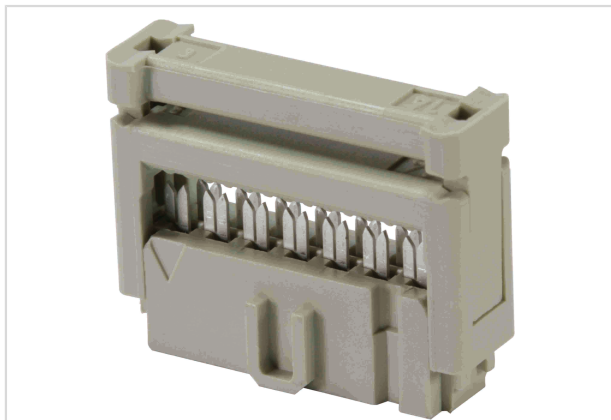


Image is for illustration purposes only. Please refer to product description.

Part number	09 18 520 5813 58U
Specification	SEK-18 SV FE TYPA ZGL 20P PLS4 BULK
HARTING eCatalogue	https://b2b.harting.com/0918520581358U

Identification

Category	Connectors
Series	SEK
Element	Female connector

Version

Connection type	PCB to cable
Number of contacts	20
Strain relief	With strain relief clamp
Details	for IDC flat cable 1.27 mm (0.050") pitch AWG 28/7 - AWG 26/7
Pack contents	2000 pieces

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	$>10^9 \Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$
Limiting temperature	-55 ... +125 °C
Insertion and withdrawal force	$\leq 40 \text{ N}$
Performance level	NM 30 (S4) 1



Pushing Performance

Technical characteristics

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

Isolation group IIIa ($175 \leq CTI < 400$)

Material properties

Material (insert) Thermoplastic resin (PBT)

Colour (insert) Grey

Material (contacts) Copper alloy

Surface (contacts) Sn over Ni Termination side
Au over Ni Mating side

Material flammability class acc. to UL 94 V-0

RoHS compliant

ELV status compliant

China RoHS e

REACH Annex XVII substances No

REACH ANNEX XIV substances No

REACH SVHC substances No

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 2,000

Net weight 3.92 g

Country of origin Romania

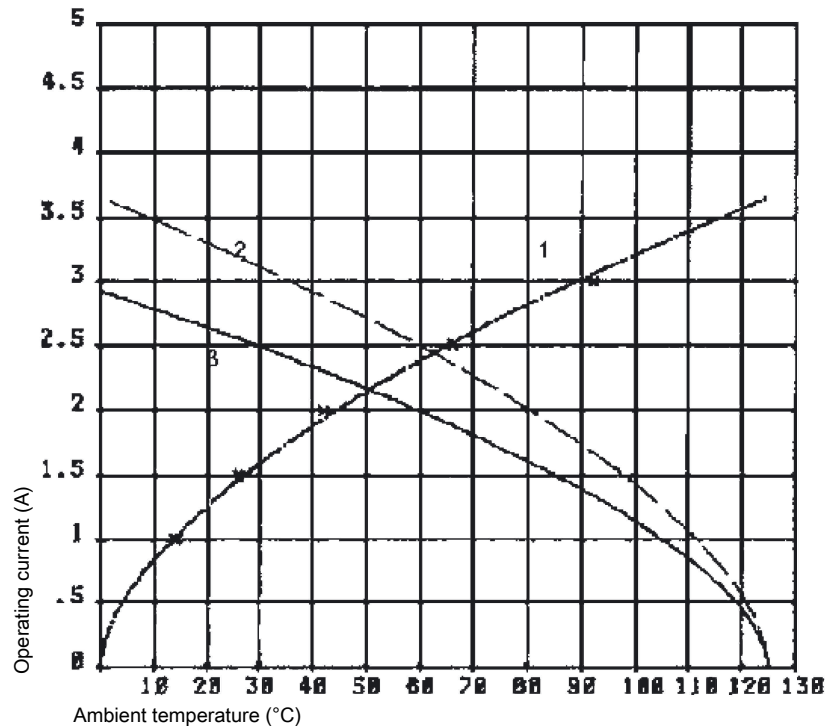
European customs tariff number 85366990

eCl@ss 27460202 PCB connector (conductor connection)

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%