

# SEK-19 SV HT MA LP STR29 40P PL2 VC/RE/B



Part number	09 19 540 6324 741				
Specification	SEK-19 SV HT MA LP STR29 40P PL2 VC/RE/B				
HARTING eCatalogue	https://b2b.harting.com/09195406324741				

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	Reflow soldering termination (THR)					
Connection type	PCB to cable PCB to PCB					
Number of contacts	40					
Termination length	2.9 mm					
Pack contents	Tape & reel					

# **Technical characteristics**

Contact rows	2
Contact Tows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	>10 <sup>9</sup> Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion and withdrawal force	≤80 N
Performance level	2 acc. to IEC 60603-13
Mating cycles	≥250

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# **Technical characteristics**

Test voltage U <sub>r.m.s.</sub>	1 kV				
Isolation group	II (400 ≤ CTI < 600)				
Material properties					
Material (insert)	Thermoplastic resin (PCT)				
Colour (insert)	Black				
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	Lead Nickel				
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	325
Net weight	6.9 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140037885
eCl@ss	27460201 PCB connector (board connector)

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#### Product data sheet 09 19 540 6324 741 SEK-19 SV HT MA LP STR29 40P PL2 VC/RE/B

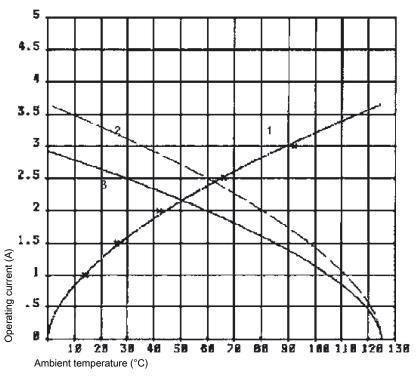


Since 1945

#### 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

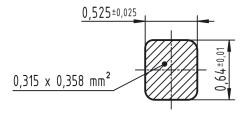


① Temperature raise

Derating curve

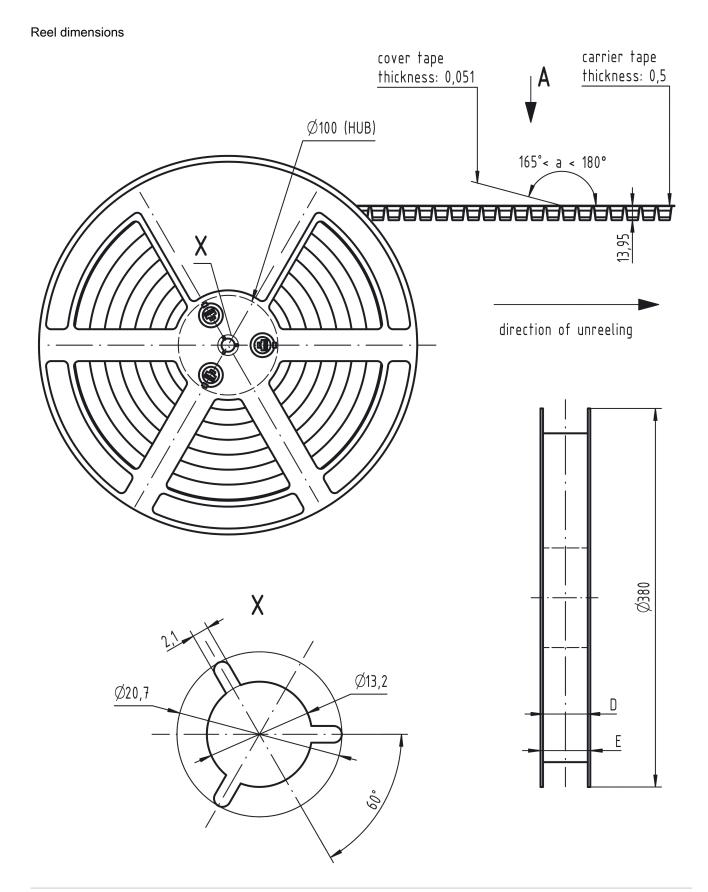
③ Derating curve 80%

# Cross section of solder termination



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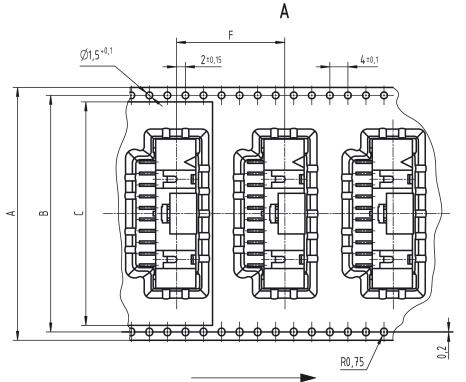
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## Tape layout & packaging



contacts	A	В	C	D	E	F	-trailer- number of empty cavities	number of connector per reel	-leader- number of empty cavities
40	72	68,4	65,5	73	78	24	14	280	16
34	72	68,4	65,5	73	78	24	14	280	16
30	56	52,4	49,5	57	62	24	14	280	16
26	56	52,4	49,5	57	62	24	14	280	16
20	56	52,4	49,5	57	62	24	14	280	16
16	44	40,4	37,5	45	50	24	14	280	16
14	44	40,4	37,5	45	50	24	14	280	16
10	44	40,4	37,5	45	50	24	14	280	16
6	32	28,4	25,5	33	38	24	14	280	16

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