

SEK-19 SV HT MA LP STR29 34P PL2 VC/RE/B



Part number	09 19 534 6324 741			
Specification	SEK-19 SV HT MA LP STR29 34P PL2 VC/RE/B			
HARTING eCatalogue	https://b2b.harting.com/09195346324741			

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	34					
Termination length	2.9 mm					
Pack contents	Tape & reel					

Technical characteristics

Contact rows	2
Contact spacing (termination side)	2.54 mm
Rated current	1 A
Insulation resistance	>10 ⁹ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-55 +125 °C (during reflow soldering max. +240 °C for 60 s)
Insertion and withdrawal force	≤68 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 ≤ 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			
	Sn over Ni Termination side			
Material flammability class acc. to UL 94	Sn over Ni Termination side V-0			
Material flammability class acc. to UL 94	V-0			
Material flammability class acc. to UL 94 RoHS	V-0 compliant			
Material flammability class acc. to UL 94 RoHS ELV status	V-0 compliant compliant			

Specifications and approvals

REACH SVHC substances

Specifications	IEC 60603-13	
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079	
Commercial data		

Not contained

Packaging size	1
GTIN	5713140211612
eCl@ss	27460201 PCB connector (board connector)

Product data sheet 09 19 534 6324 741 SEK-19 SV HT MA LP STR29 34P PL2 VC/RE/B

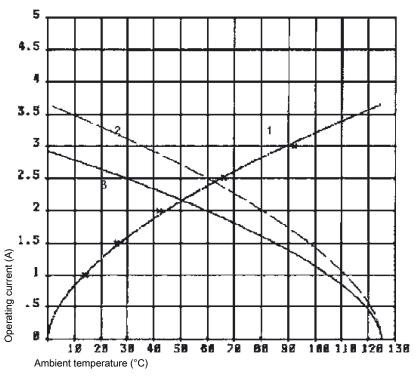


Since 1945

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

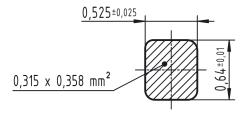


① Temperature raise

Derating curve

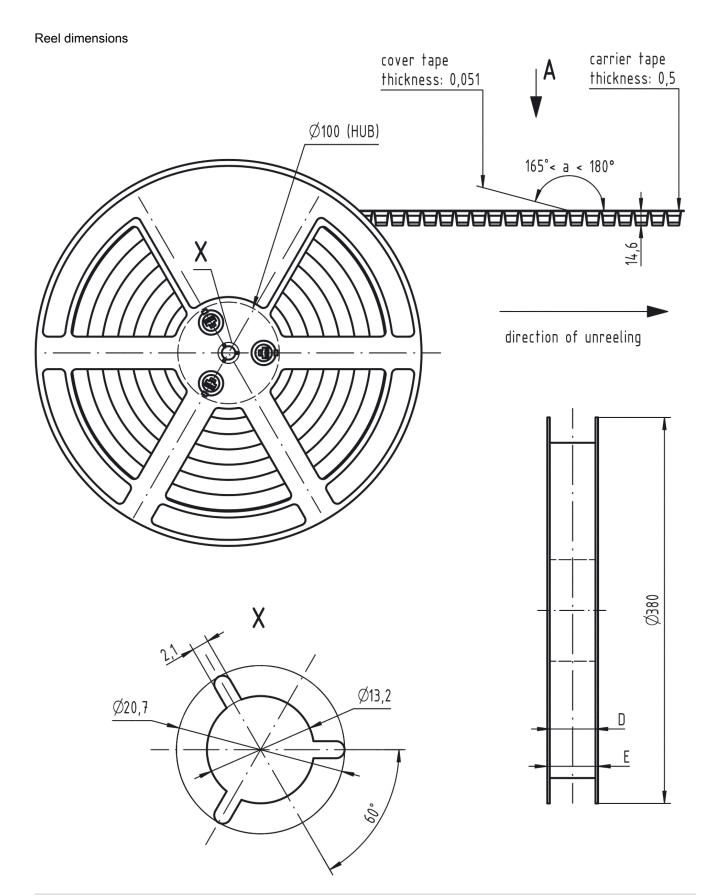
③ Derating curve 80%

Cross section of solder termination



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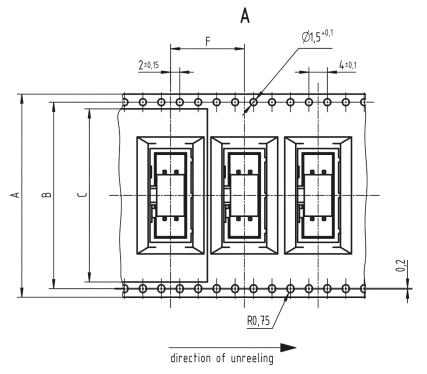
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Tape layout & packaging



colour	Part number				
beige	0919 5xx x32x 740				
black	0919 5xx x32x 741				

40	72	68,4	65,5	73	78	20	14	325	16
34	72	68,4	65,5	73	78	16	14	325	16
30	56	52,4	49,5	57	62	16	14	325	16
26	56	52,4	49,5	57	62	16	14	325	16
20	56	52,4	49,5	57	62	16	14	400	16
16	44	40,4	37,5	45	50	16	14	400	16
14	44	40,4	37,5	45	50	16	14	400	16
10	44	40,4	37,5	45	50	16	14	400	16
6	32	28,4	25,5	33	38	16	14	400	16
contacts	A	В	C	D	E	F	-trailer- number of empty cavities	number of connector per reel	-leader- number of empty cavities

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