



# SEK PCB 2rows



### General information

Design	Cable connector PCB 2rows	
No. of contacts	from 4 to 64 poles	
Contact spacing	on PCB side: 2,54mm [0,1"]; on cable side: 1,27mm [0,050"]	
Test voltage	1000V AC	
Contact resistance	10mOhm max.	
Insulation resistance	1x10 <sup>10</sup> Ohm min.	
Working current acc. to IEC 60512,@20°C,80% derating	10poles:4,0A	40poles:3,5A
	26poles:3,6A	68poles:2,8A
Temperature range	-55°C ... +105°C	
Termination technology	solder	
Clearance	min. 0,50mm	
Creepage	min. 0,56mm	
UL file acc. UL 1977	ECBT2.E102079	
UL file acc. CSA-C22.2(for Canada)	ECBT8.E102079	
RoHS - compliant	Yes	
Leadfree	Yes	

### Insulator material

Material	PBT
Color	Grey
UL classification	UL 94-V0
Material group acc. IEC 60664-1	II (400 ≤ CTI < 600)

### Contact material

Contact material	Copper alloy
Plating termination zone	Sn over Ni
Plating contact zone	Sn over Ni

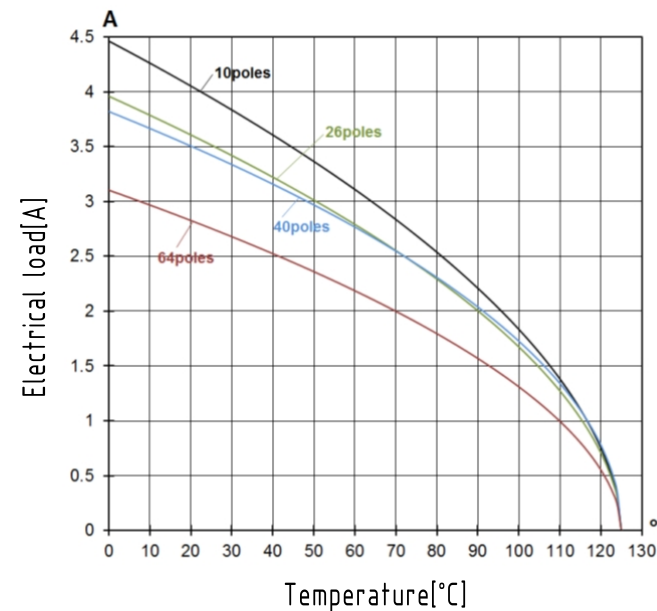
### Derating diagram acc. to IEC 60512-5(Current carrying capacity)

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.

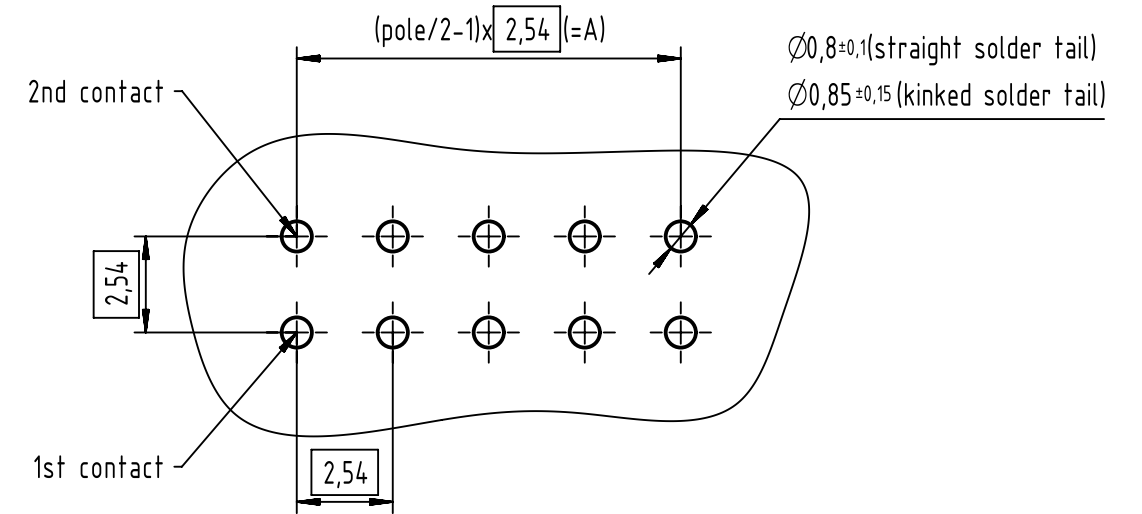
The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60512-5

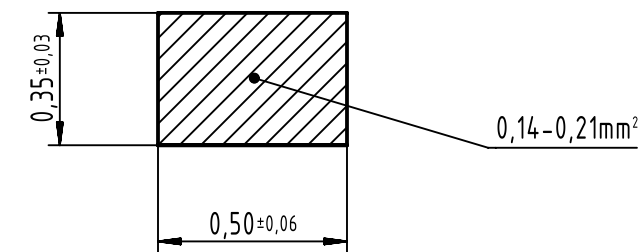
Derating curve at I<sub>max</sub>\*0,8(IEC 60512-5-2)



### Recommended PCB layout



### Cross section of solder terminations



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