SEK PCB 2rows

General information

Design	Cable connector PCB 2rows	
No. of contacts	from 4 to 64-pole	
Contact spacing	on PCB side: 2,54mm [0,1"]; on cable side: 1,27mm [0,050"]	
Test voltage	1000V AC - 1 minute	
Working voltage	320 V for pollution degree 1	
Contact resistance	10mOhm max.	
Insulation resistance	1x10^{9}Ohm min.	
Working current acc. to IEC 60512, @20°C, 80% derating	10-pole: 4,0 A	40-pole: 3,5 A
	26-pole: 3,6 A	64-pole: 2,8 A
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

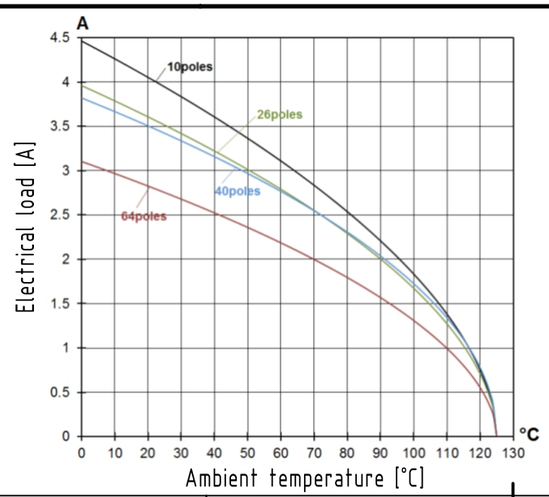
Contact material	Copper alloy	
Plating termination zone	Sn over Ni	
Plating contact zone	Sn over Ni	only for 0918126962X: Sn over Ni or Au over Sn over Ni

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

The current carring 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

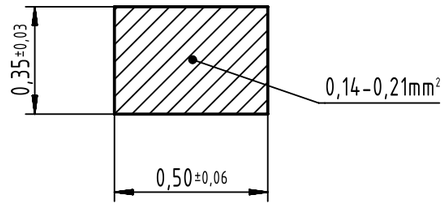
Derating curve at Imax*0,8(IEC 60512-5-2)



Cable information

Wire material	Cu, tinned
Gauge	AWG 28/7 (0,089 mm^2)
Insulation material	PVC or non-halogenated flame retardant Polyolefin (only for halogen free flat cable)

Cross section of solder terminations



All Dimensions in mm
Original Size DIN A3

Scale 1:1

Free size tol.

Ref.
Sub. DS 09185100600 / 500000102447 / 2016-04-04

Department EC PD - DE

HARTING Electronics GmbH
D-32339 Espelkamp

Created by	Inspected by	Standardisation	Date	State
STORCK	LEHNERT	HOFFMANN	2016-04-05	Final Release

Title: SEK PCB 2rows

Doc-Key / ECM-Nr.
100561749/UGD/001/E
500000102803

Type: DS

Number: 09185100600

Rev.: E

Page: 1/1

A3