



har-flexicon terminal block vertical, push-in, SMC



General information

Design	PCB Terminal Block	
Type	har-flexicon 3.50/3.81 TTPV	
Part numbers	1402xx14101xxx & 1402xx15101xxx	
Contact pitch	3.50 & 3.81 mm	
No. of contacts	2 - 16 poles	
Rated surge voltage (II/2):	4 kV	(overvoltage cat. II / pollution degree 2)
Rated surge voltage (III/2):	4 kV	(overvoltage cat. III / pollution degree 2)
Rated surge voltage (III/3):	4 kV	(overvoltage cat. III / pollution degree 3)
Rated Voltage:	300 V	
Rated voltage (II/2):	600 V	(overvoltage cat. II / pollution degree 2)
Rated voltage (III/2):	300 V	(overvoltage cat. III / pollution degree 2)
Rated voltage (III/3):	220 V	(overvoltage cat. III / pollution degree 3)
Working current	10 A	
Contact resistance	max. 15 mOhm	
Insulation resistance	min. 10 ⁹ Ohm (500 V DC)	
Temperature range	-40°C ... +110°C	
Termination technology	THR/SMC Reflow	
Insertion force	n.a	
Withdrawal force	n.a	
Hot plugging	No	
Vibration	10-150Hz,0,35mm,5g 2h each axes -> No contact disturbance > 1µs	
RoHS - compliant	Yes	
UL file	E314677	

Isulator material

Material	PA/PPA
Color	black
UL classification	UL 94-V0
Material group acc. to IEC 60664-1	I (CTI > 600)

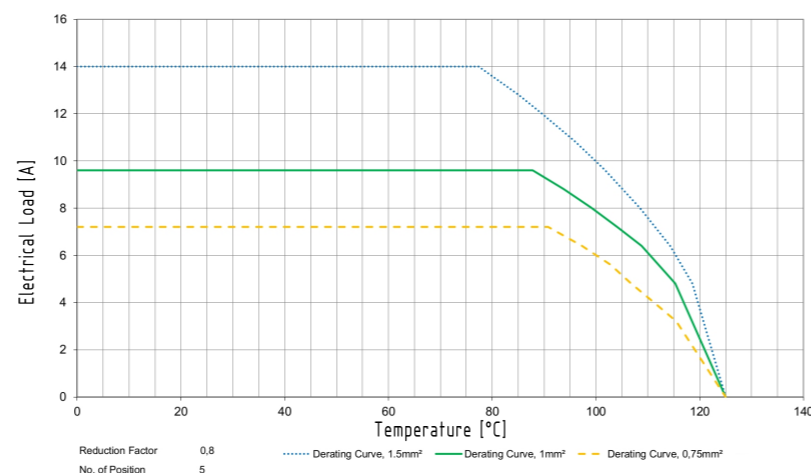
Contact material

	termination zone	contact zone (spring)
Contact material	Copper alloy	EN 1.4310 / AISI 301
Plating	Sn	no

Derating

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



Cable connection

Type	har-flexicon 3.50/3.81 TTPV
Part numbers	1402xx14101xxx & 1402xx15101xxx
Conductor size AWG max:	16 AWG
Conductor size AWG min:	30 AWG
Conductor size solid max:	1,5 mm ²
Conductor size solid min:	0,14 mm ²
Conductor size stranded max:	1,5 mm ²
Conductor size stranded min:	0,14 mm ²
Conductor size stranded for end sleeve	
Stripping length max:	10 mm
Stripping length min:	9 mm

Packging unit

Type of packaging	No. of poles (xx)	Quantity	Index (xxx)	Remark
tropical bag	2 - 3	100	000	
tropical bag	4 - 5	75	000	
tropical bag	6 - 16	50	000	
tropical bag	2 - 6	10	333	samples
tropical bag	7 - 12	5	333	samples

1402xx14101xxx

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