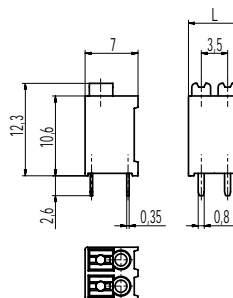
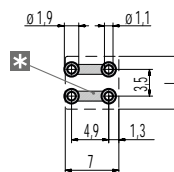


830-A-121-THR

PCB connector for SMD
Push-In connection vertical to PCB



PCB LAYOUT (RECOMMENDATION)



L = (No. of poles) x pitch
L1 = (No. of poles - 1) x pitch
Solder paste thickness: 0,15 - 0,2 mm
solder pad, outside diameter: \varnothing 1,9 mm

* Both solder pads of each pole can be connected together.

GENERAL INFORMATION

Pitch	3,5 mm
No. of poles	2 + 3
Areas of application	Lighting technology, devices

TECHNICAL DATA

Clamping Range	solid / stranded / AWG 0,2 - 1,0 mm ² / 0,2 - 0,75 mm ² / 24 - 18 AWG		
Rated Cross Section	1 mm ² (starr / solid) / 0,75 mm ²		
Wire Stripping Length	7,5 mm \pm 0,5 mm		
Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	160 V	160 V	320 V
Rated Impulse Voltage	2,5 kV	2,5 kV	2,5 kV
Rated Insulation Voltage	130 V acc. to EN 60998-1		
Rated Current	13,5 A apply to 1 mm ² solid 9 A apply to 0,75 mm ²		
Soldering process	Wave solder & reflow solder		
Hole in PCB	\varnothing 1,1 mm		

APPROVALS

	Current [A]	Voltage [V]	Group	AWG	[Nm]
	6	300	B	24 - 18	

MATERIAL

Moulding	PA HT, white, V-0
Comparative Tracking Index	CTI \geq 600
Insulating Group	I
Temperature Range	-40°C up to 120°C; reflow solder temperature peak max. 255°C acc. to DIN EN 61760-1
Terminal body	Tin plated copper alloy
Spring	Stainless steel

OPTIONS / ACCESSORIES

- Black colour on request
- Tape-on-Reel on request

CONFIGURATIONS

Poles	Part number	Article number	Length (L)	Packaging	PU	Tape Width	Tape Height
2	830-A-121-THR/02	10.813.082	6,90 mm	Box	250		
3	830-A-121-THR/03	10.813.083	10,40 mm	Box	250		
2	830-A-121-THR/02-T&R	10.813.082.A00	6,90 mm	Tape-on-Reel	300	24 mm	17,2 mm
3	830-A-121-THR/03-T&R	10.813.083.A00	10,40 mm	Tape-on-Reel	300	24 mm	17,2 mm

