

THR PCB Terminals with clamping yoke connection

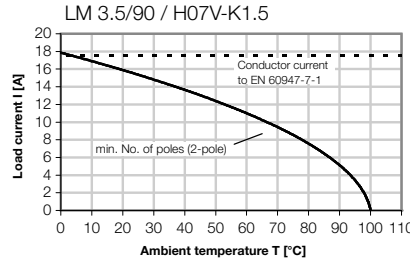
LM-THR 3.5



Through Hole Reflow (THR), high-temperature-resistant, small, compact PCB terminal with proven clamping yoke connection at 3.5 mm pitch, conductor outlet direction 90°, suitable for conductor cross-sections up to 1.5 mm².

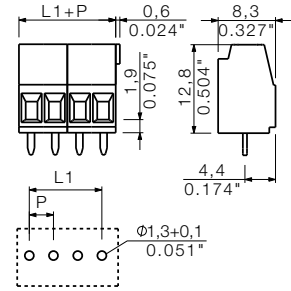
- 0.5 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 16 A (IEC) / 10 A (UL)

Derating curve



LM-THR 3.5/90

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.08...2.08	
Solid H05(07) V-U	mm²	0.5...1.5	
Stranded H07 V-R	mm²		
Flexible H05(07) V-K	mm²	0.5...1.5	
Flexible with ferrule	mm²		
Ferrule with plastic collar	mm²	0.5...0.75	
Stripping length	mm	5	
Screwdriver blade	mm	0.4 x 2.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current at ambient temperature			
	A	20°C	40°C
		16	14
Overvoltage category			
		III	III II
Pollution severity			
		3	2 2
Rated voltage	V	125	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL 1059 rated data			
		B	C D
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	
CSA C22.2 rated data			
		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.2 mm
Colour of plastic	black

Pitch 3.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100		1789130000
3	7.00	(0.276)	100		1789140000