

STH for reflow soldering

MSL1



Terminal blocks ●

Your drawings and notes

Last release



## General data

Dimensional class:	medium
Standard colour:	black
Pitches:	metric 5 mm, 7.5 mm, 10 mm (.197 in, .295 in, .394 in) imperial 5.08 mm, 10.16 mm (.200 in, .400 in)
Screw dimension:	M3
Recommended/highest tightening torque:	0.5/0.6 Nm (4.42/5.31 lbf-in)
PCB thickness:	max. 2.4 mm (.094 in)
PCB hole diameter:	min. 1.5 mm (.059 in)
Stripping length:	5.5 ÷ 6.5 mm (.22 ÷ .26 in)
Operating temperature range:	-40 °C ÷ +105 °C (-40 °F ÷ +221 °F)
Contact resistance:	<15 mΩ
Insulating material group:	I (CTI ≥ 600V)
Self-extinguishing class UL94:	VO
Insulation resistance:	>10 <sup>9</sup> Ω (500V DC)

## Certifications

UL (n. E167473) \*factory wiring - \*\*field wiring  
300 V - 17.5 A (\*), 15A (\*\*) - 30÷14 AWG - for 5 mm, 5.08 mm, 7.5 mm  
600 V - 17.5 A (\*), 15A (\*\*) - 30÷14 AWG - for 10 mm and 10.16 mm pitch

## Data according to

### IEC EN 60947-7-4

250 V - 24 A - 2.5 mm<sup>2</sup> solid (17.5 A - 1.5 mm<sup>2</sup> stranded) for 5 mm and 5.08 mm pitch  
750 V - 24 A - 2.5 mm<sup>2</sup> solid (17.5 A - 1.5 mm<sup>2</sup> stranded) for 7.5 mm, 10 mm and 10.16 mm pitch

Application values for end-use equipment have to be in accordance to norms and applicable to it.  
The certifications of some product's versions could be pending, for more detailed and updated data please refer to our web site [www.sauro.net](http://www.sauro.net) or your representative Sales Manager.

A higher number of poles is obtained by combining together **modular** parts.

