

 **STH** for reflow soldering

 **MSL1**



Last release



#### General data

<b>Dimensional class:</b>	high
<b>Standard colour:</b>	black
<b>Pitches:</b>	metric 5 mm, 7.5 mm (.197 in, .295 in) imperial 5.08 mm, 7.62 mm (.200 in, .300 in)
<b>Screw dimension:</b>	M3
<b>Recommended/highest tightening torque:</b>	0.5/0.6 Nm (4.42/5.31 lbf-in)
<b>PCB thickness:</b>	max. 2.4 mm (.094 in)
<b>PCB hole diameter:</b>	min. 1.5 mm (.059 in)
<b>Stripping length:</b>	6.5 ÷ 7 mm (.26 ÷ .28 in)
<b>Operating temperature range:</b>	-40 °C ÷ +105 °C (-40 °F ÷ +221 °F)
<b>Contact resistance:</b>	<15 mΩ
<b>Insulating material group:</b>	I (CTI ≥ 600V)
<b>Self-extinguishing class UL94:</b>	V0
<b>Insulation resistance:</b>	>10 <sup>9</sup> Ω (500V DC)

#### Data according to

##### UL 1059

300 V - 24 A (factory wiring), 20 A (field wiring) - 30÷12 AWG - for 5 mm, 5.08 mm, 7.5 and 7.62 mm  
600 V - 24 A (factory wiring), 20 A (field wiring) - 30÷12 AWG - for 10 mm pitch

##### IEC EN 60947-7-4

250 V - 32 A - 4 mm<sup>2</sup> solid (24 A - 2.5 mm<sup>2</sup> stranded) for 5 mm and 5.08 mm pitch  
750 V - 32 A - 4 mm<sup>2</sup> solid (24 A - 2.5 mm<sup>2</sup> stranded) for 7.5 mm, 7.62 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.

