

Solderable up to 275 °C

STH® for reflow soldering



MSL1

General data

<b>Dimensional class:</b>	high
<b>Standard colour:</b>	green for wave soldering, black for reflow soldering
<b>Pitches:</b>	metric 15 mm (.591 in)
<b>Screw dimension:</b>	M5
<b>Recommended/highest tightening torque:</b>	2.1/2.5 Nm (18.59/22.13 lbf-in)
<b>PCB thickness:</b>	max. 2.4 mm (.094 in)
<b>PCB hole diameter:</b>	min. 1.6 mm (.063 in)
<b>Stripping length:</b>	18 mm (.71 in)
<b>Operating temperature range:</b>	-40 °C ÷ +130 °C (-40 °F ÷ +266 °F)
<b>STH operating temperature range:</b>	-40 °C ÷ +130 °C (-40 °F ÷ +266 °F)
<b>Contact resistance:</b>	<15 mΩ
<b>Insulation resistance:</b>	>10 <sup>9</sup> Ω (500V DC)
<b>Insulating material group:</b>	I (CTI ≥ 600V)

Certifications

135 A

UL (n. E167473)

600 V - 135 A factory wiring (130 A field wiring) - 20÷1 AWG - 2.5 Nm

Data according to

IEC EN 60998

1000 V - 125 A - T 110 - 35 mm<sup>2</sup> solid (115 A - 25 mm<sup>2</sup> stranded)

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

