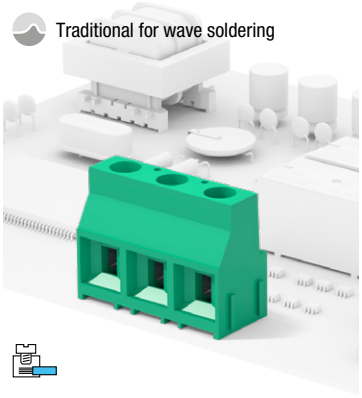
MSP

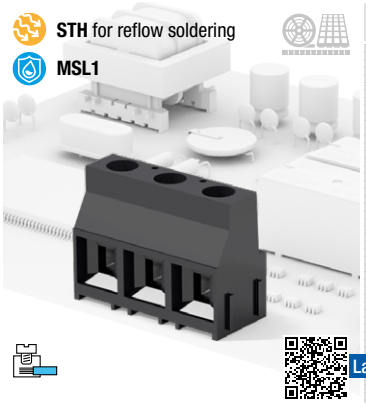
Traditional for wave soldering



MSPH

STH for reflow soldering

MSL1



Last release

Your drawings and notes

General data

Dimensional class:	high
Standard colour:	green for wave soldering, black for reflow soldering
Pitches:	imperial 6.35, 7.62, 9.52, 12.7 (.250, .300, .375, .500 in)
Screw dimension:	M3.5
Recommended/highest tightening torque:	0.8/1 Nm (7/8.85 lbf·in)
PCB thickness:	max. 4 mm (.157 in)
PCB hole diameter:	min. 1.4 mm (.055 in)
Stripping length:	7 ÷ 8 mm (.28 ÷ .31 in)
Operating temperature range:	-40 °C ÷ +105 °C (-40 °F ÷ +221 °F)
STH 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:	V0
Insulation resistance:	>10^9 Ω (500V DC)

Certifications

UL (n. E167473)
300 V - 30 A - 30÷10 AWG - for 6.35 mm 7.62 mm 9.52 mm pitch
600 V - 30 A - 30÷10 AWG - for 12.7 mm pitch
For **low ampere** rating version
300 V - 24 A - 30÷10 AWG - for 6.35 mm 7.62 mm pitch
600 V - 24 A - 30÷10 AWG - for 9.52 mm 12.7 mm pitch

VDE (n. 40021758)
450 V - 32 A - 4 mm² for 6.35 mm pitch
750 V - 32 A - 4 mm² for 9.52 mm pitch

IMQ (n. CA02.00899)
450 V - 41 A - 6 mm² solid (32 A - 4 mm² stranded) for 6.35 mm pitch
750 V - 41 A - 6 mm² solid (32 A - 4 mm² stranded) for 9.52 mm pitch

CSA (n. LR102896)
300 V - 30 A - 30÷10 AWG for 6.35 mm and 9.52 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** or your representative Sales Manager.

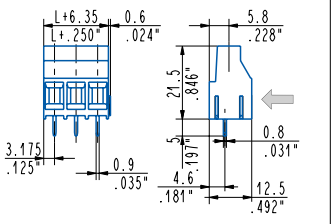
A higher number of poles is obtained by combining together **modular** parts.

MSPH Data according to

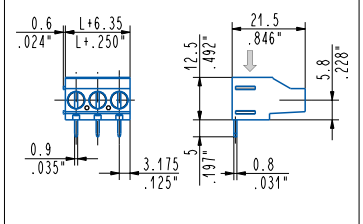
UL 1059
300 V - 30 A - 30÷10 AWG - for 6.35 mm 7.62 mm 9.52 mm pitch
600 V - 30 A - 30÷10 AWG - for 12.7 mm pitch

IEC EN 60947-7-4
450 V - 41 A - 6 mm² solid (32 A - 4 mm² stranded) for 6.35 mm pitch
750 V - 41 A - 6 mm² solid (32 A - 4 mm² stranded) for 9.52 mm pitch

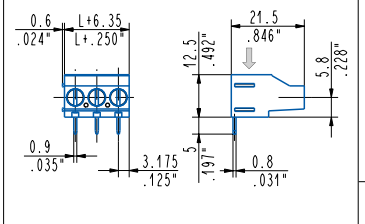
In order to protect terminals during transport, the product in box is packaged in row trays.



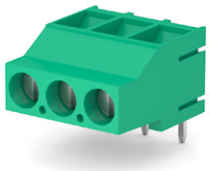
0°, modular
MSP__00S - 2÷8 poles, 6.35 mm / .250" pitch
MSP__007 - 2÷3 poles, 7.62 mm / .300" pitch
MSP__00N - 2÷3 poles, 9.52 mm / .375" pitch
MSP__00U - 1÷3 poles, 12.7 mm / .500" pitch
MSPH__00S-0N 2÷5 poles, 6.35 mm / .250" pitch
MSPH__007-0N 2÷3 poles, 7.62 mm / .300" pitch
MSPH__00N-0N 2÷3 poles, 9.52 mm / .375" pitch

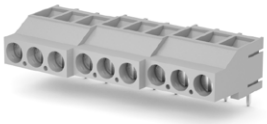


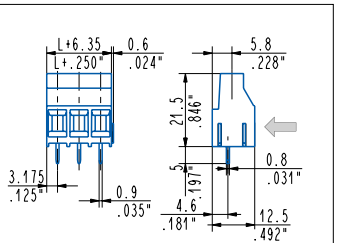
90°, modular
MSP__09S - 2÷8 poles, 6.35 mm / .250" pitch
MSP__097 - 2÷3 poles, 7.62 mm / .300" pitch
MSP__09N - 2÷3 poles, 9.52 mm / .375" pitch
MSP__09U - 1÷3 poles, 12.7 mm / .500" pitch
MSPH__09S-0N 2÷5 poles, 6.35 mm / .250" pitch
MSPH__097-0N 2÷3 poles, 7.62 mm / .300" pitch
MSPH__09N-0N 2÷3 poles, 9.52 mm / .375" pitch



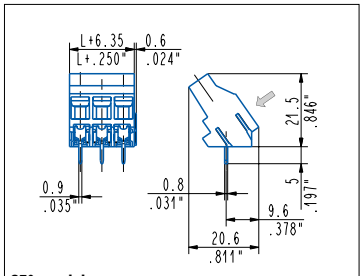
90°, modular, low ampere rating
MSP__09S-000E 2÷8 poles, 6.35 mm .250" pitch
MSP__097-000E 2÷3 poles, 7.62 mm .300" pitch
MSP__09N-000E 2÷3 poles, 9.52 mm .375" pitch
MSP__09U-000E 1÷3 poles, 12.7 mm .500" pitch



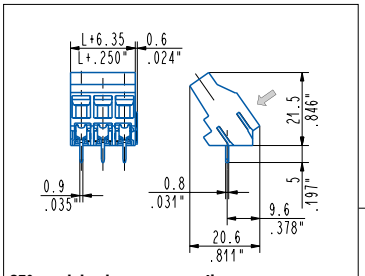




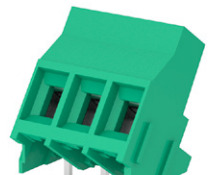
0°, modular, low ampere rating
MSP__00S-000E 2÷8 poles, 6.35 mm .250" pitch
MSP__007-000E 2÷3 poles, 7.62 mm .300" pitch
MSP__00N-000E 2÷3 poles, 9.52 mm .375" pitch
MSP__00U-000E 1÷3 poles, 12.7 mm .500" pitch

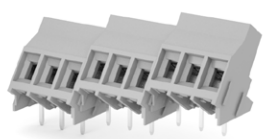


35°, modular
MSP__04S - 2÷3 poles, 6.35 mm / .250" pitch
MSP__04N - 2÷3 poles, 9.52 mm / .375" pitch
MSP__04U - 1÷2 poles, 12.7 mm / .500" pitch
MSPH__04S-0N - 2÷3 poles, 6.35 mm / .250" pitch
MSPH__04N-0N - 2÷3 poles, 9.52 mm / .375" pitch



35°, modular, low ampere rating
MSP__04S-000E 2÷3 poles, 6.35 mm / .250" pitch
MSP__04N-000E 2÷3 poles, 9.52 mm / .375" pitch
MSP__04U-000E 1÷2 poles, 12.7 mm / .500" pitch





L = pitch x (poles - 1)

The drawing refers to only a pitch, please see our complete range of products by visiting our website on **www.sauro.net** or refering to your representative Sales Manager