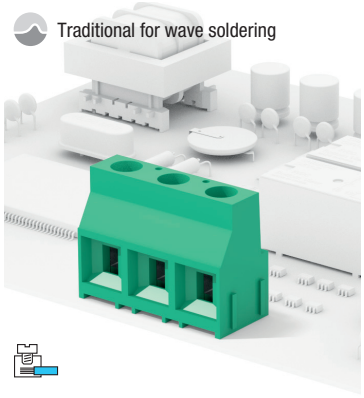
MSP

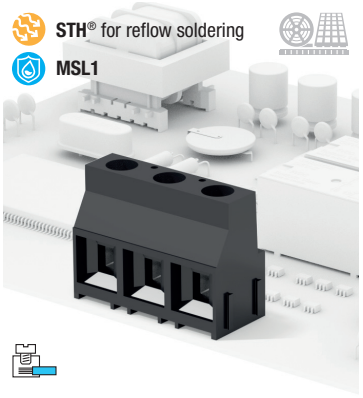
Traditional for wave soldering



MSPH

STH® for reflow soldering

MSL1



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
Insulation resistance:	$>10^9$ Ω (500V DC)
Insulating material group:	I (CTI ≥ 600V)

Certifications

UL (n. E167473)
300 V - 30 A - 30÷10 AWG - 7 lbf·in for 6.35 mm 7.62 mm 9.52 mm pitch
600 V - 30 A - 30÷10 AWG - 7 lbf·in for 12.7 mm pitch
For **low ampere** rating version
300 V - 24 A - 30÷10 AWG - 7 lbf·in for 6.35 mm 7.62 mm pitch
600 V - 24 A - 30÷10 AWG - 7 lbf·in for 9.52 mm 12.7 mm pitch

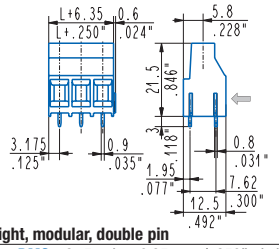
VDE (n. 40021758)
450 V - T 110 - 32 A - 4 mm² for 6.35 mm pitch
750 V - T 110 - 32 A - 4 mm² for 9.52 mm pitch

IMQ (n. CA02.00899) for traditional product
450 V - T 110 - 41 A - 6 mm² solid (32 A - 4 mm² stranded) for 6.35 mm pitch
750 V - T 110 - 41 A - 6 mm² solid (32 A - 4 mm² stranded) for 9.52 mm pitch

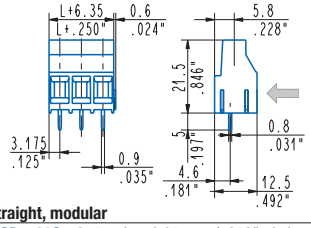
CSA (n. LR102896) for traditional product
300 V - 32 A - 30÷10 AWG for 6.35 mm pitch
600 V - 32 A - 30÷10 AWG for 9.52 mm pitch

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

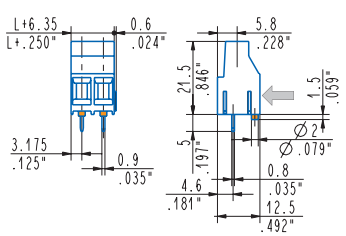
Your drawings and notes



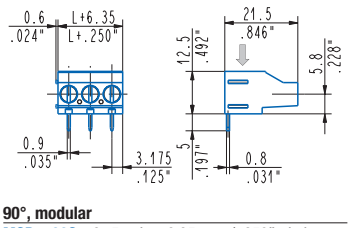
Straight, modular, double pin
MSP__DMS - 2÷5 poles, 6.35 mm / .250" pitch
MSP__DM7 - 2÷5 poles, 7.62 mm / .300" pitch
MSP__DMN - 2÷3 poles, 9.52 mm / .375" pitch
MSP__DMU - 1÷3 poles, 12.7 mm / .500" pitch
MSPH__DMS-0N 2÷5 poles, 6.35 mm / .250" pitch
MSPH__DM7-0N 2÷3 poles, 7.62 mm / .300" pitch
MSPH__DMN-0N 2÷3 poles, 9.52 mm / .375" pitch
max 5 poles can be combined



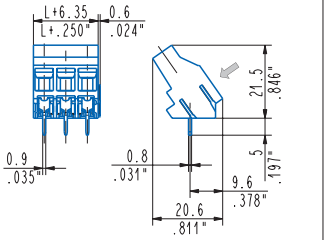
Straight, modular
MSP__00S - 2÷5 poles, 6.35 mm / .250" pitch
MSP__007 - 2÷5 poles, 7.62 mm / .300" pitch
MSP__00N - 2÷3 poles, 9.52 mm / .375" pitch
MSP__00U - 1÷3 poles, 12.7 mm / .500" pitch
MSPH__00S-0N 2÷5 poles, 6.35 mm / .250" pitch
MSPH__007-0N 2÷3 poles, 7.62 mm / .300" pitch
MSPH__00N-0N 2÷3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



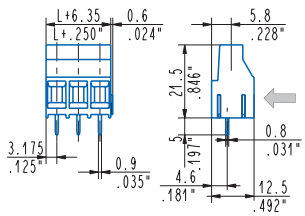
Straight, modular, pegs
MSP__00S-0000P 2÷5 poles, 6.35 mm .250" pitch
MSP__007-0000P 2÷3 poles, 7.62 mm .300" pitch
MSP__00N-0000P 2÷3 poles, 9.52 mm .375" pitch
MSP__00U-0000P 2÷3 poles, 12.7 mm .500" pitch



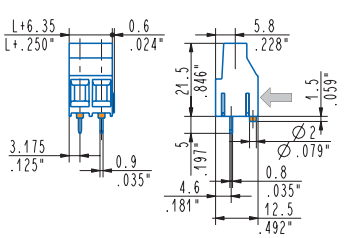
90°, modular
MSP__09S - 2÷5 poles, 6.35 mm / .250" pitch
MSP__097 - 2÷5 poles, 7.62 mm / .300" pitch
MSP__09N - 2÷3 poles, 9.52 mm / .375" pitch
MSP__09U - 1÷3 poles, 12.7 mm / .500" pitch
MSPH__09S-0N 2÷5 poles, 6.35 mm / .250" pitch
MSPH__097-0N 2÷3 poles, 7.62 mm / .300" pitch
MSPH__09N-0N 2÷3 poles,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



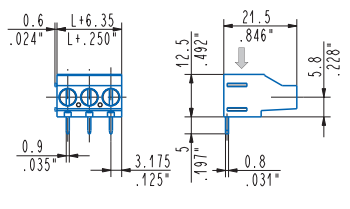
35°, modular
MSP__04S - 2÷5 poles, 6.35 mm / .250" pitch
MSP__04N - 2÷3 poles, 9.52 mm / .375" pitch
MSP__04U - 1÷3 poles, 12.7 mm / .500" pitch
MSPH__04S-0N - 2÷5 poles, 6.35 mm / .250" pitch
MSPH__04N-0N - 2÷3 poles, 9.52 mm / .375" pitch
max 5 poles can be combined



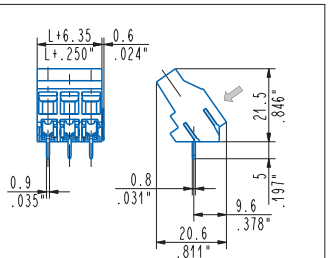
Straight, modular, low ampere rating
MSP__00S-000E 2÷5 poles, 6.35 mm .250" pitch
MSP__007-000E 2÷5 poles, 7.62 mm .300" pitch
MSP__00N-000E 2÷3 poles, 9.52 mm .375" pitch
MSP__00U-000E 1÷3 poles, 12.7 mm .500" pitch



Straight, modular, low ampere rating, pegs
MSP__00S-000EP 2÷5 poles, 6.35 mm .250" pitch
MSP__007-000EP 2÷3 poles, 7.62 mm .300" pitch
MSP__00N-000EP 2÷3 poles, 9.52 mm .375" pitch
MSP__00U-000EP 2÷3 poles, 12.7 mm .500" pitch



90°, modular, low ampere rating
MSP__09S-000E 2÷5 poles, 6.35 mm .250" pitch
MSP__097-000E 2÷5 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



35°, modular, low ampere rating
MSP__04S-000E 2÷5 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