

 Traditional for wave soldering

 STH for reflow soldering

 MSL1


Your drawings and notes

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Last release

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:	VO
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 pitch750 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 pitch750 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

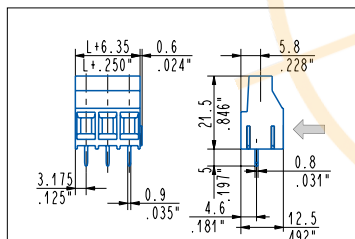
300 V - 30 A - 30÷10 AWG - for 6.35 mm 7.62 mm 9.52 mm pitch

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 pitch750 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

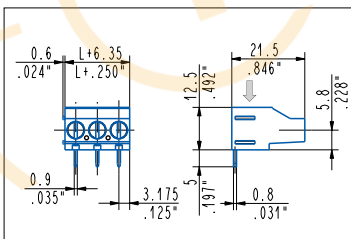
MSP_007 - 2÷3 poles, 7.62 mm / .300" pitch

MSP_00N - 2÷3 poles, 9.52 mm / .375" pitch

MSPH_00S-ON 1÷3 poles, 12.7 mm / .500" pitch

MSPH_007-ON 2÷3 poles, 7.62 mm / .300" pitch

MSPH_00N-ON 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

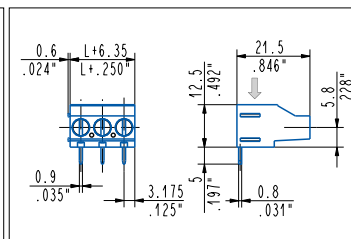
MSP_09N - 2÷3 poles, 9.52 mm / .375" pitch

MSPH_09S-ON 1÷3 poles, 12.7 mm / .500" pitch

MSPH_097-ON 2÷3 poles, 6.35 mm / .250" pitch

MSPH_09N-ON 2÷3 poles, 7.62 mm / .300" pitch

MSPH_09N-ON 2÷3 poles, 9.52 mm / .375" pitch



90°, modular, low ampere rating

MSP_09S-000E 2÷8 poles, 6.35 mm / .250" pitch

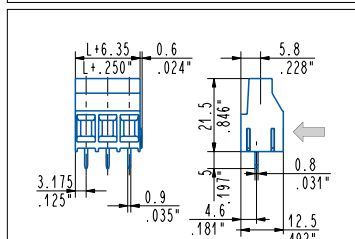
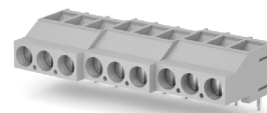
MSP_097-000E 2÷3 poles, 7.62 mm / .300" pitch

MSP_09N-000E 2÷3 poles, 9.52 mm / .375" pitch

MSP_09U-000E 1÷3 poles, 12.7 mm / .500" pitch

MSPH_09U-ON 2÷3 poles, 7.62 mm / .300" pitch

MSPH_09U-ON 2÷3 poles, 9.52 mm / .375" pitch



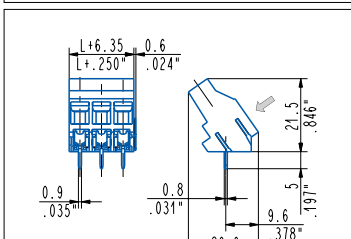
0°, modular, low ampere rating

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

MSPH_00U-000E 1÷3 poles, 12.7 mm / .500" pitch



35°, modular

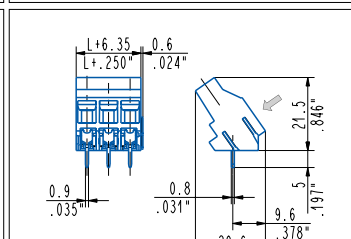
MSP_04S - 2÷3 poles, 6.35 mm / .250" pitch

MSP_04N - 2÷3 poles, 9.52 mm / .375" pitch

MSPH_04U - 1÷2 poles, 12.7 mm / .500" pitch

MSPH_04S-ON 2÷3 poles, 6.35 mm / .250" pitch

MSPH_04N-ON 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



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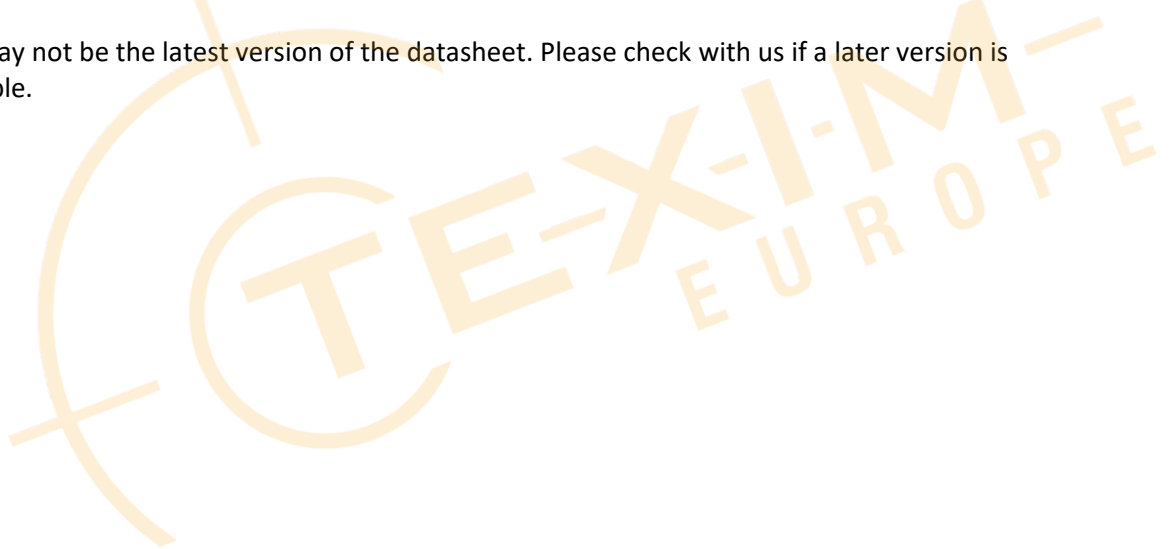
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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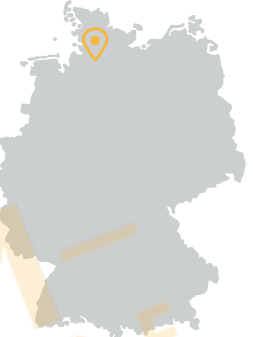
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