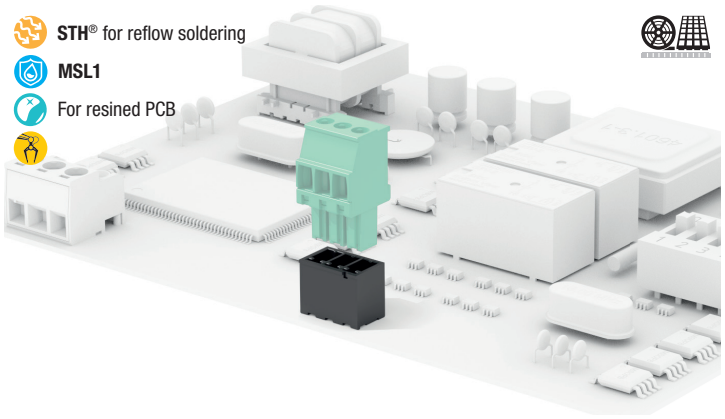
CTMH



- **STH®** for reflow soldering
- **MSL1**
- For resined PCB

General data

Dimensional class:	low
Standard colour:	black
Pitches:	metric 3.5, 5, 7, 10mm (.138, .197, .275, .394 in) imperial 3.81, 5.08, 7.62, 10.16mm (.150, .200, .300, .400 in)
Insertion force per pole:	max 3 N (max .674 lbf)
Withdrawal force per pole:	min 1,5 N (min .337 lbf)
PCB thickness:	max 2,4 mm (.094 in)
PCB hole diameter:	1.4 mm (.055 in)
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)

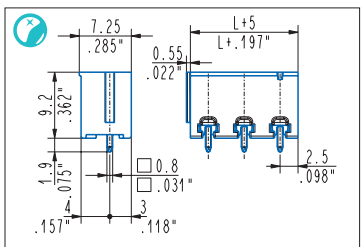
Certifications

UL (n. E167473)
300 V - 11 A - for 3.5 mm, 3.81 mm, 5 mm, 5.08 mm, 7 mm, 7.62 mm pitch
600 V - 11 A - for 10 mm and 10.16 mm pitch

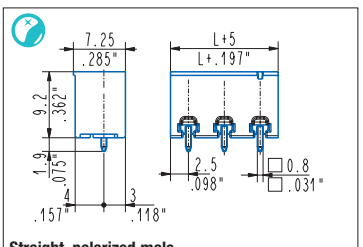
VDE (n. 40013398)
130 V - 11 A - 1 mm² - T 85 - 1,5kV - 2 for 3.5 mm and 3.81 mm pitch
250 V - 11 A - 1 mm² - T 85 - 2,5kV - 2 for 5 mm and 5.08 mm pitch
450 V - 11 A - 1 mm² - T 85 - 4kV - 2 for 7 mm and 7.62 mm pitch

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

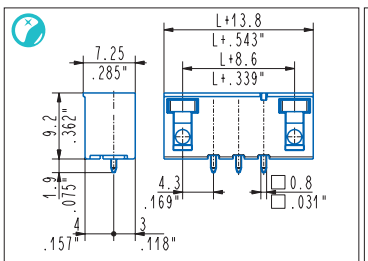
Your drawings and notes



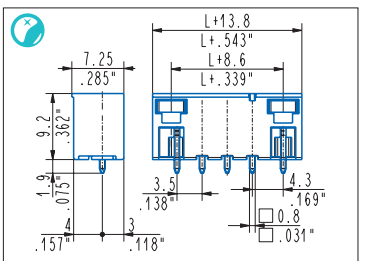
Straight, modular male
CTMH__0M8-0N 2 ÷ 25 poles, 3,5 mm .138" pitch
CTMH__0M1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__0M9-0N 2 ÷ 13 poles, 7 mm .276" pitch
CTMH__0M2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__0M5-0N 2 ÷ 3 poles, 5.08 mm .200" pitch
CTMH__0M6-0N 2 poles, 10.16 mm .400" pitch



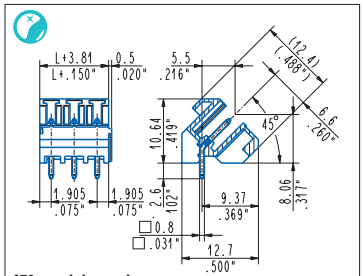
Straight, polarized male
CTMH__0P8-0N 2 ÷ 25 poles, 3,5 mm .138" pitch
CTMH__0P1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__0P9-0N 2 ÷ 13 poles, 7 mm .276" pitch
CTMH__0P2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__0PT-0N 2 ÷ 25 poles, 3.81 mm .150" pitch
CTMH__0P5-0N 2 ÷ 3 poles, 5,08 mm .200" pitch
CTMH__0P7-0N 2 ÷ 13 poles, 7.62 mm .300" pitch
CTMH__0P6-0N 2 poles, 10.16 mm / .400" pitc



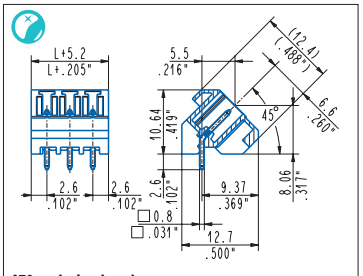
Straight, locking screw flanges male
CTMH__0V8-0N 2 ÷ 23 poles, 3,5 mm .138" pitch
CTMH__0V1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__0V9-0N 2 ÷ 11 poles, 7 mm .276" pitch
CTMH__0V2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__0VT-0N 2 ÷ 22 poles, 3.81 mm .150" pitch
CTMH__0V7-0N 2 ÷ 11 poles, 7.62 mm .300" pitch



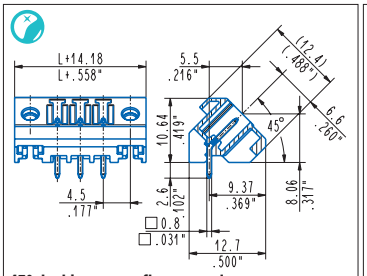
Straight, locking screw flanges & fake pin
CTMH__0F8-0N 2 ÷ 23 poles, 3,5 mm .138" pitch
CTMH__0F1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__0F9-0N 2 ÷ 11 poles, 7 mm .276" pitch
CTMH__0F2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__0FT-0N 2 ÷ 22 poles, 3.81 mm .150" pitch
CTMH__0F7-0N 2 ÷ 11 poles, 7.62 mm .300" pitch



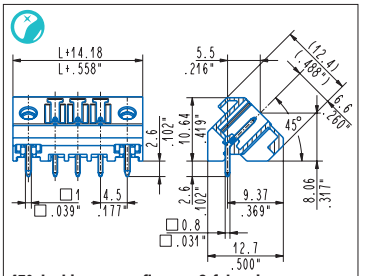
45°, modular male
CTMH__4MT-0N 2÷16 poles, 3,81 mm / .150" pitch
CTMH__4M7-0N 1÷8 poles, 7.62 mm / .300" pitch



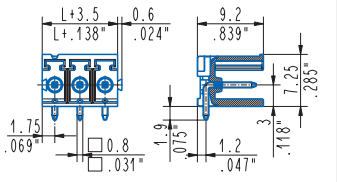
45°, polarized male
CTMH__4PT-0N 2 ÷ 16 poles, 3.81mm / .150" pitch
CTMH__4P7-0N 2 ÷ 8 poles, 7.62 mm / .300" pitch



45°, locking screw flanges male
CTMH__4VT-0N 2÷16 poles, 3,81 mm / .150" pitch
CTMH__4V7-0N 2÷8 poles, 7.62 mm / .300" pitch

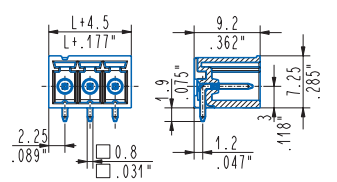


45°, locking screw flanges & fake pin
CTMH__4FT-0N 2 ÷ 16 poles, 3.81mm / .150" pitch
CTMH__4F7-0N 2 ÷ 8 poles, 7.62 mm / .300" pitch



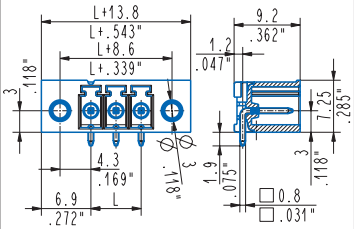
90°, modular male

CTMH__9M8-0N 2÷25 poles, 3,5 mm / .138" pitch
CTMH__9M1-0N 2÷22 poles, 5 mm / .197" pitch
CTMH__9M9-0N 1÷13 poles, 7 mm / .276" pitch
CTMH__9M2-0N 1÷11 poles, 10 mm / .394" pitch
CTMH__9M5-0N 2÷3 poles, 5.08 mm / .200" pitch
CTMH__9M6-0N 1÷2 poles, 10.16 mm / .400" pitch



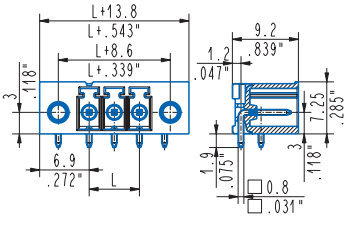
90°, polarized male

CTMH__9P8-0N 2 ÷ 25 poles, 3,5 mm .138" pitch
CTMH__9P1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__9P9-0N 2 ÷ 13 poles, 7 mm .276" pitch
CTMH__9P2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__9PT-0N 2 ÷ 25 poles, 3.81 mm .150" pitch
CTMH__9P7-0N 2 ÷ 13 poles, 7.62 mm .300" pitch



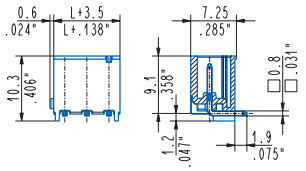
90°, locking screw flanges male

CTMH__9V8-0N 2 ÷ 23 poles, 3,5 mm .138" pitch
CTMH__9V1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__9V9-0N 2 ÷ 11 poles, 7 mm .276" pitch
CTMH__9V2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__9VT-0N 2 ÷ 22 poles, 3.81 mm .150" pitch
CTMH__9V7-0N 2 ÷ 11 poles, 7.62 mm .300" pitch



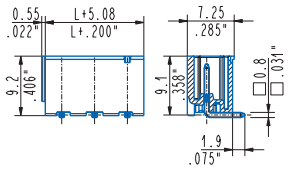
90°, locking screw flanges & fake pin

CTMH__9F8-0N 2 ÷ 23 poles, 3,5 mm .138" pitch
CTMH__9F1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__9F9-0N 2 ÷ 11 poles, 7 mm .276" pitch
CTMH__9F2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__9FT-0N 2 ÷ 22 poles, 3.81 mm .150" pitch
CTMH__9F7-0N 2 ÷ 11 poles, 7.62 mm .300" pitch



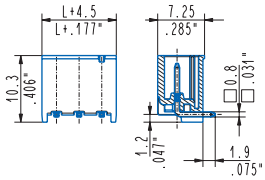
270°, modular male

CTMH__5M8-0N 2 ÷ 25 poles, 3,5 mm .138" pitch
CTMH__5M9-0N 2 ÷ 13 poles, 7 mm .276" pitch



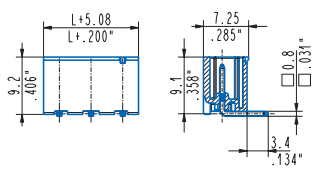
270°, modular male

CTMH__5M1-0N 2 ÷ 22 poles, 5 mm / .197" pitch
CTMH__5M2-0N 2 ÷ 11 poles, 10 mm / .394" pitch
CTMH__5M5-0N 2 ÷ 3 poles, 5.08 mm / .200" pitch
CTMH__5M6-0N 2 poles, 10.16 mm / .400" pitch
CTMH__5MT-0N 2 ÷ 25 poles, 3,81 mm .150" pitch
CTMH__5M7-0N 2 ÷ 13 poles, 7,62 mm .300" pitch



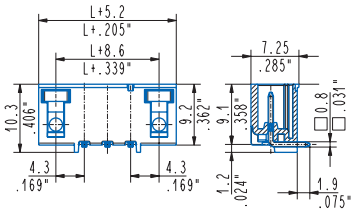
270°, polarized male

CTMH__5P8-0N 2 ÷ 25 poles, 3,5 mm .138" pitch
CTMH__5P9-0N 2 ÷ 13 poles, 7 mm .276" pitch



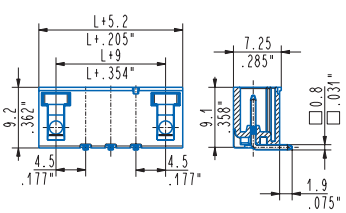
270°, polarized male

CTMH__5P1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__5P2-0N 2 ÷ 11 poles, 10 mm / .394" pitch
CTMH__5PT-0N 2 ÷ 23 poles, 3,81 mm .150" pitch
CTMH__5P5-0N 2 ÷ 3 poles, 5,08 mm .200" pitch
CTMH__5P7-0N 2 ÷ 11 poles, 7,62 mm .300" pitch
CTMH__5P6-0N 2 poles, 10.16 mm / .400" pitch



270°, locking screw flanges male

CTMH__5V8-0N 2 ÷ 22 poles, 3.5mm /.138" pitch
CTMH__5V9-0N 2 ÷ 11 poles, 7 mm /.276" pitch



270°, locking screw flanges male

CTMH__5V1-0N 2 ÷ 22 poles, 5 mm .197" pitch
CTMH__5V2-0N 2 ÷ 11 poles, 10 mm .394" pitch
CTMH__5VT-0N 2 ÷ 22 poles, 3.81 mm /.150" pitch
CTMH__5V7-0N 2 ÷ 11 poles, 7.62 mm /.300" pitch

Your drawings and notes

Usable with:

CTF	CKF	CBF
Page 54	Page 55	Page 56