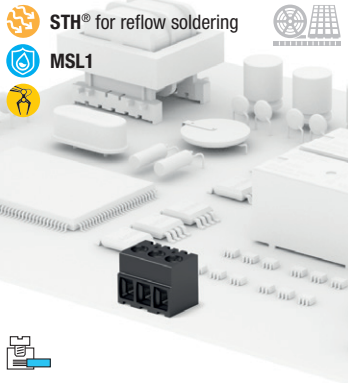
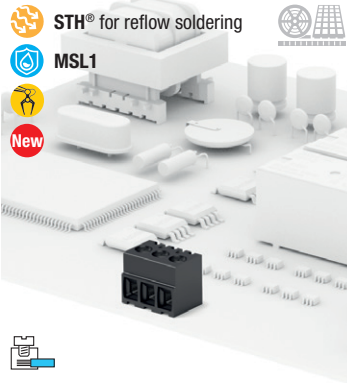


### MTBH



### MTBD SMD TECHNOLOGY



#### General data

|                                               |                                                                                        |
|-----------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Dimensional class:</b>                     | low                                                                                    |
| <b>Standard colour:</b>                       | black                                                                                  |
| <b>Pitches:</b>                               | metric 3.5 mm, 7 mm (.138 in, .275 in)<br>imperial 3.81 mm, 7.62 mm (.150 in, .300 in) |
| <b>Screw dimension:</b>                       | M2                                                                                     |
| <b>Recommended/highest tightening torque:</b> | 0.2/0.25 Nm (1.77/2.21 lbf-in)                                                         |
| <b>PCB thickness:</b>                         | max. 2.4 mm (.094 in)                                                                  |
| <b>PCB hole diameter for pin:</b>             | min. 1.2 mm (.047 in)                                                                  |
| <b>PCB hole diameter for peg:</b>             | 1.4 mm (.055 in)                                                                       |
| <b>Stripping length:</b>                      | 5-6 mm (.197 in)                                                                       |
| <b>Operating temp. 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

**UL (n. pending)**  
300 V - 12 A - 28÷16 AWG - 2.7 lbf-in

#### Data according to

**IEC EN 60947-7-4**  
160 V - 12 A - 1.5 mm<sup>2</sup> for 3.5 mm and 3.81 mm pitch  
750 V - 12 A - 1.5 mm<sup>2</sup> for 7 mm and 7.62 mm pitch

