

31

2,5 MSF

Minimodul™ connectors, pitch 2.5 mm



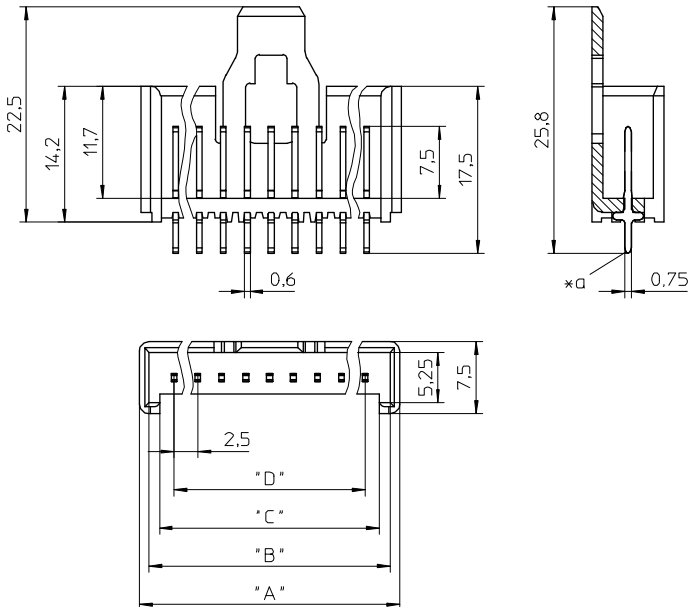
Minimodul™ pin header, upright, with locking latch, solder contacts single row

Approvals:



31

2,5 MSF



- \*a for bore hole in printed circuit board Ø 1 mm  
\*b 2 pole connection with crimp connector 3114/3111 only with special version 2,5 MSF 02 (3114)

#### Environmental conditions

Temperature range -40 °C/+120 °C<sup>1</sup>

<sup>1</sup> upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

#### Materials

Insulating body PA GF, V-0 according to UL94<sup>1</sup>

Contact pin CuZn, pre-nickel and tin-plated

<sup>1</sup> component glow wire resistant (GWT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

#### Electrical data (at T<sub>amb</sub> 20 °C)

Rated current 5 A (T<sub>u</sub> 60 °C)  
Rated voltage 160 V AC  
Material group IIIa (IEC)/2 (UL) (CTI ≥ 250)  
Creepage distance 1,9 mm  
Clearance 1,9 mm  
Insulation resistance > 1 GΩ

#### Associated products

Counterparts

☞ 3114

☞ 4143 01

| Designation       | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions |        |        |        |
|-------------------|-------------|-------------|--------------|------------|--------|--------|--------|
|                   |             |             |              | A (mm)     | B (mm) | C (mm) | D (mm) |
| 2,5 MSF 02 (3114) | 2           | 250         | 2000         | 7.9        | 5.9    | 4.3    | 2.5 *b |
| 2,5 MSF 02        | 2           | 250         | 2000         | 9.7        | 7.7    | 5.5    | 2.5    |
| 2,5 MSF 03        | 3           | 250         | 2000         | 12.2       | 10.2   | 8.0    | 5.0    |
| 2,5 MSF 04        | 4           | 250         | 2000         | 14.7       | 12.7   | 10.5   | 7.5    |
| 2,5 MSF 05        | 5           | 250         | 2000         | 17.2       | 15.2   | 13.0   | 10.0   |
| 2,5 MSF 06        | 6           | 250         | 2000         | 19.7       | 17.7   | 15.5   | 12.5   |
| 2,5 MSF 07        | 7           | 250         | 2000         | 22.2       | 20.2   | 18.0   | 15.0   |
| 2,5 MSF 08        | 8           | 250         | 2000         | 24.7       | 22.7   | 20.5   | 17.5   |
| 2,5 MSF 09        | 9           | 250         | 2000         | 27.2       | 25.2   | 23.0   | 20.0   |
| 2,5 MSF 10        | 10          | 250         | 2000         | 29.7       | 27.7   | 25.5   | 22.5   |
| 2,5 MSF 11        | 11          | 250         | 2000         | 32.2       | 30.2   | 28.0   | 25.0   |
| 2,5 MSF 12        | 12          | 250         | 2000         | 34.7       | 32.7   | 30.5   | 27.5   |
| 2,5 MSF 13        | 13          | 250         | 2000         | 37.2       | 35.2   | 33.0   | 30.0   |
| 2,5 MSF 14        | 14          | 250         | 2000         | 39.7       | 37.7   | 35.5   | 32.5   |
| 2,5 MSF 15        | 15          | 250         | 2000         | 42.2       | 40.2   | 38.0   | 35.0   |
| 2,5 MSF 16        | 16          | 250         | 2000         | 44.7       | 42.7   | 40.5   | 37.5   |
| 2,5 MSF 17        | 17          | 250         | 2000         | 47.2       | 45.2   | 43.0   | 40.0   |
| 2,5 MSF 18        | 18          | 250         | 2000         | 49.7       | 47.7   | 45.5   | 42.5   |
| 2,5 MSF 19        | 19          | 200         | 2000         | 52.2       | 50.2   | 48.0   | 45.0   |
| 2,5 MSF 20        | 20          | 200         | 2000         | 54.7       | 52.7   | 50.5   | 47.5   |

**Packaging:**

in bulk, in a cardboard box