



5820F00

6.3mm (.250) UP-TP Terminals



Description TP Low insertion flag for tab 6,3x0,8
Wire section range 0.20-0.60 mm² (AWG 24-20)
Max. Insulator Ø 2.1 mm.

Material Natural brass, 0.4 mm thickness

| Wire section (mm ²) | Current (A) |
|---------------------------------|-------------|
| *0.20 | N/A * |
| *0.35 | N/A * |
| 0.50 | 8 |
| 0.60 | 8 |

Note: Current carrying capacity with maximal suitable wire size (IEC 760)
 * N/A IEC760

Max. Voltage -

Note: Depending on housing material.

Max. Contact resistance 1.43 mΩ

Note: Maximal contact resistance with minimal suitable wire size (IEC 760)

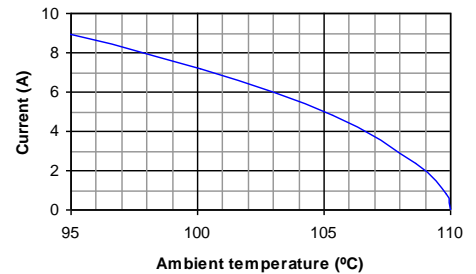
Max. Temperature 110°C

Note: As per DIN 61210 standard.

Thermal derating (see graph →)

Insertion/Withdrawal forces

| | ESCUBEDO |
|-----------------|----------|
| 1st. Insertion | 35 N Max |
| 1st. Withdrawal | 30-60 N |
| 6th. Withdrawal | 22 N Min |



Thermal derating curves
Note: 20% security margin is applied.

Application tool MN5820F

Wire striping length 4.4 (±0.5) mm

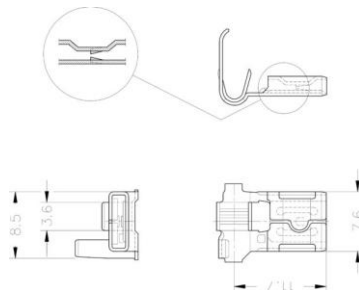
Crimping parameters & Pull out force

| Wire section (mm ²) | Conductor (±0,03) | | Insulator (±0,10) | Pull-out force | |
|---------------------------------|-------------------|-------------|-------------------|----------------|----------|
| | Height (mm.) | Width (mm.) | Width (mm.) | DIN46249 | Measured |
| 0.20 | 1.10 | 1.95 | 3.15 | - | > 40 N |
| 0.35 | 1.15 | 1.97 | 3.15 | - | > 60 N |
| 0.50 | 1.25 | 1.97 | 3.15 | ≥ 80 N | > 85 N |
| 0.60 | 1.30 | 1.98 | 3.15 | ≥ 80 N | > 110 N |

Note: Values only valid for the application tool specified upwards. The insulator widths are only indicative as they are dependent on the sheath thickness of the wire used.

Packaging 4000 Pieces on 20 mm. cardboard reel, 19.5 mm terminal chain pitch

Drawing



Approvals

- RoHS Compliant



Document History

| Rev. Nr. | Modification | Date | Created/Revised | Approved |
|----------|---------------------------------------|------------|-----------------|-------------|
| 1 | New format & dv | 13/03/2012 | D.Martinez | A.Calvet |
| 2 | Insertion and withdrawal force update | 04/09/2013 | David Martinez | Adam Calvet |

Disclaimer

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