



5820F01

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 Pre-tin-plated Brass, 0.4 mm thickness

Max. Rated current

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. Contact resistance

0.81 mΩ

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

Max. Temperature

120°C

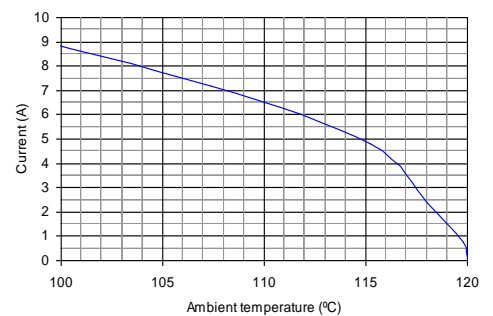
Note: As per DIN 61210 standard.

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

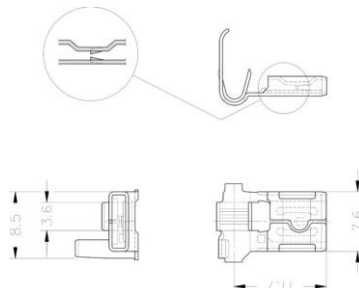
Wire section (mm ²)	Conductor (±0,03)		Insulator (±0,10)	Pull-out force	
	Height (mm.)	Width (mm.)	Width (mm.)	DIN46249	Measured
0.20	1.10	1.95	3.15	-	> 40 N
0.35	1.15	1.97	3.15	-	> 60 N
0.50	1.25	1.97	3.15	≥ 80 N	> 85 N
0.60	1.30	1.98	3.15	≥ 80 N	> 110 N

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	15/03/2012	D.Martinez	A.Calvet
2	Insertion and withdrawal force update	04/09/2013	David Martinez	Adam Calvet

Disclaimer

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