



5430**

6.3 mm (.250) UP-STA Terminals



Description Short flag B crimping for tab 6,3x0,8

Wire section range 1.00 ÷ 2.50 mm² (AWG 18 - 14)

Max. Insulator Ø 3.8 mm.

Materials, Temperature & Contact resistance

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)
5430.00	Brass	Natural	110	0.85
5430.02	Brass	Tin plated	120	0.57
5430.31	Bronze	Pre-tin plated	130	0.81
5430.24	Steel	Nickel-plated	300	1.74

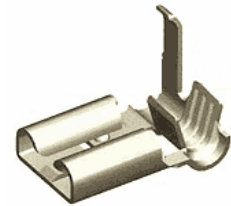
Notes: Temperatures as per IEC 61210 standard.
Maximal contact resistance: only contact zone

Material thickness 0.4 mm

Max. Rated current

Wire section (mm ²)	Current (A)
1.00	12
1.50	16
2.00	16
2.50	20

Note: Current carrying capacity according to wire size (as per IEC60760)



Insertion/Withdrawal forces

	ESCUBEDO
1st. Insertion	60 N Max.
1st. Withdrawal	72 N Max.
10 st. Withdrawal	20 N Min.

Application tool MN5330

Wire stripping length 4.5 (±0.5) mm

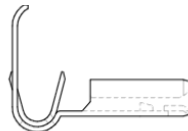
Crimping parameters & Pull out force

Wire section (mm ² ±10%)		Conductor (±0,05)		Insulator (±0,15)	Pull-out force (N)	
Nominal	Actual	Height (mm.)	Width (mm.)	Width (mm.)	DIN64249	ESCUBEDO
1.00	0.91	1.65	3.07	3.60	≥ 160	>170
1.50	1.35	1.75	3.07	3.60	≥ 200	>210
2.00	2.00	1.85	3.11	3.60	≥ 200	>210
2.50	2.26	1.95	3.10	3.60	≥ 250	>260

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.

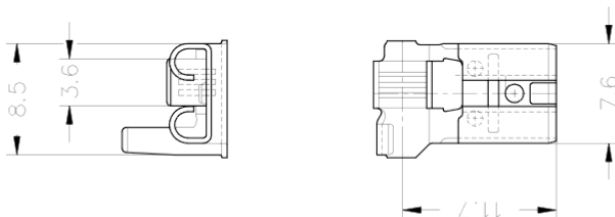
Packaging 2000 Pieces on 20 mm. ø x 160mm.wide cardboard reel , 19.5 mm terminal chain pitch

Drawing



Approvals

- RoHS Compliant



Notes

T.B.D.: To be determined



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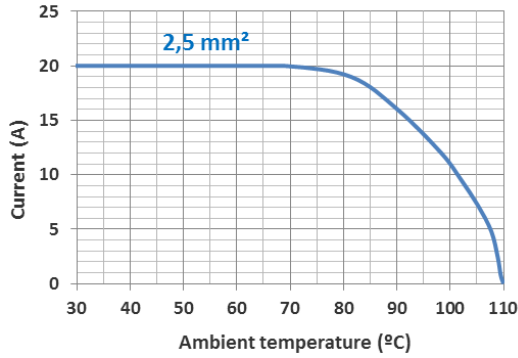


Thermal derating curves

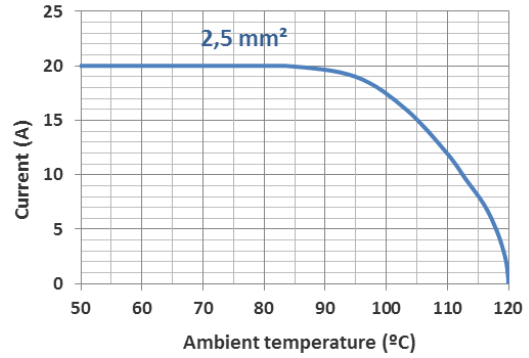
(Maximum current vs. maximum ambient temperature)

Note: 20% security margin is applied on all derating curves

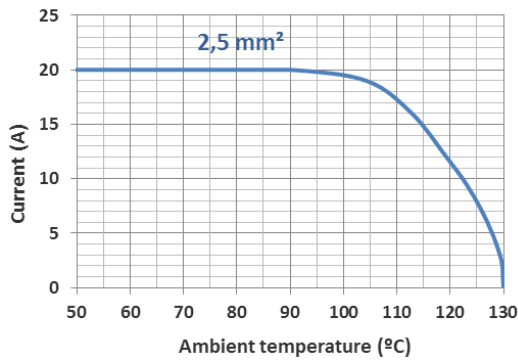
5430.00 (Natural brass)



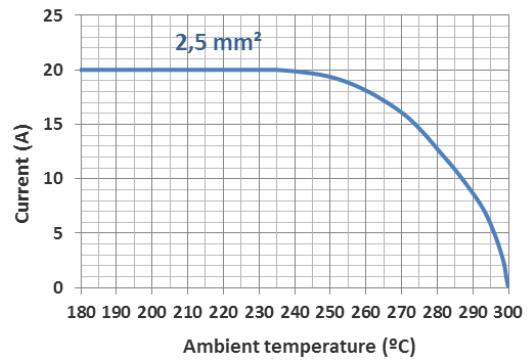
5430.02 (Tin plated brass)



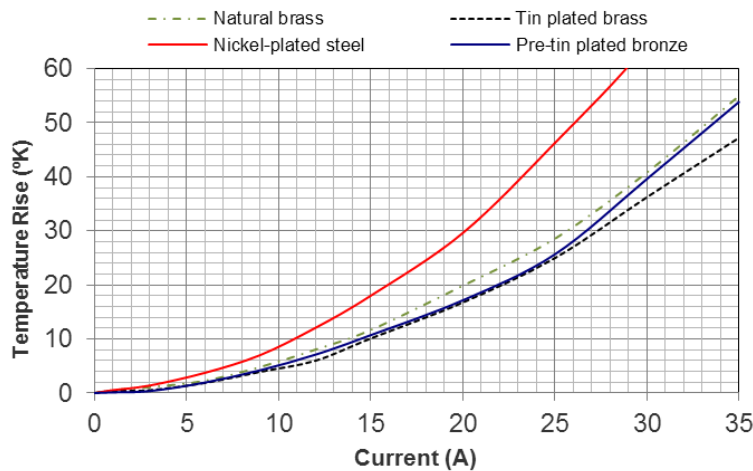
5430.31 (Pre-tin plated bronze)



5430.24 (Nickel-plated steel)



Thermal Increment curves



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Rev. Nr.	Modification	Date	Created/Revised	Approved
1	Creation/Update	03/04/2013	D.Martinez	A.Calvet
2	Update crimping spec.	27/09/2013	D.Martinez	A.Calvet