



5230.**

6.3 mm (.250) UP-TP Male-female terminals



Description Receptacles Standard male-female Gap for tab 6.3 x 0.8

Wire section range 0.50 – 1.00 mm² (AWG 20 - 18)

Max. Insulator Ø 3.3 mm.

Materials, Temperature & Contact resistance

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)
5230.00	Brass	Natural	110	0.67
5230.01	Brass	Pre-tin plated	120	0.45
5230.30	Bronze	Natural	120	1.57
5230.24	Steel	Nickel-plated	300	2.86

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

Material thickness 0.40 mm

Max. Rated current

Wire section (mm ²)	Current (A)
0.50	8
0.75	10
1.00	12

Note: Current carrying capacity according to wire size (IEC 60760)



Insertion/Withdrawal forces

1st. Insertion	35 N Max
1st. Withdrawal	30÷60 N
6th. Withdrawal	22 N Min

Application tool MN5230

Wire striping length 5.3 (±0.5) mm

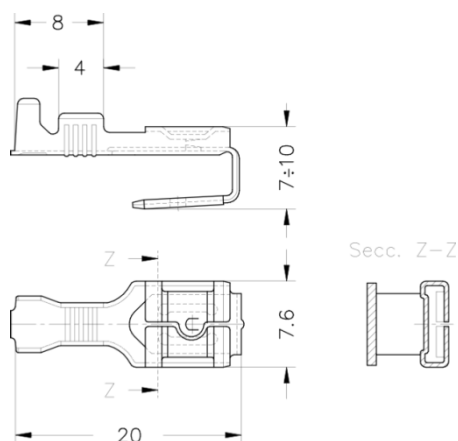
Crimping parameters & Pull out force

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
0.50	0.45	1.35	2.35	3.52	≥ 80	> 90
0.75	0.71	1.40	2.36	3.52	≥ 120	> 130
1.00	0.95	1.45	2.37	3.54	≥ 160	>170

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 1500 Pieces on 30 mm. cardboard reel, 19.5 mm terminal chain pitch

Drawing



Approvals

- RoHS Compliant





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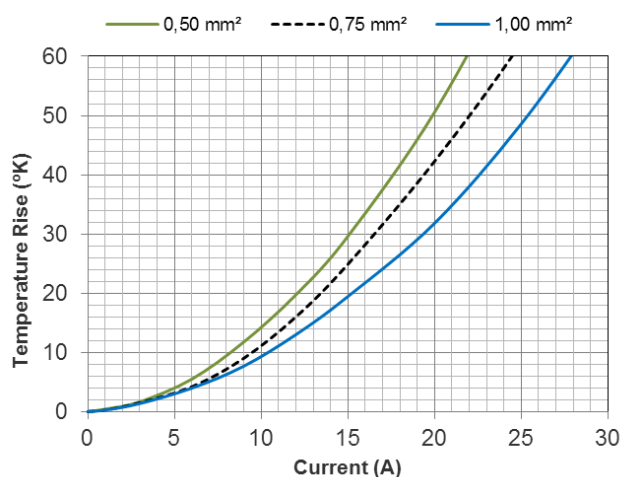
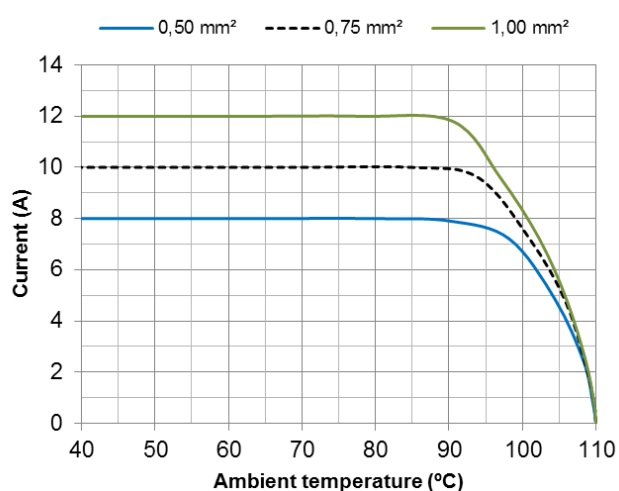
Thermal derating curves

(Maximum current vs. maximum ambient temperature)

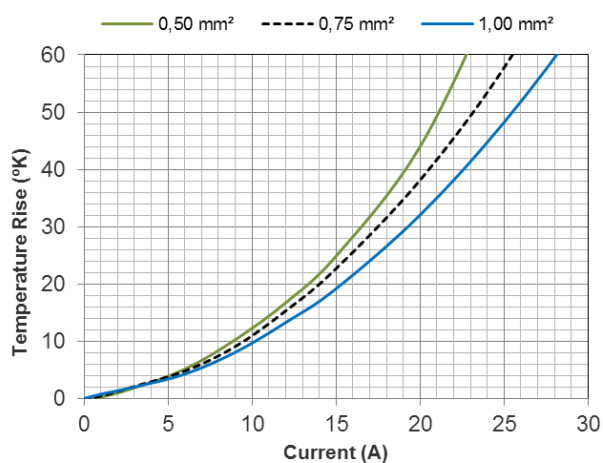
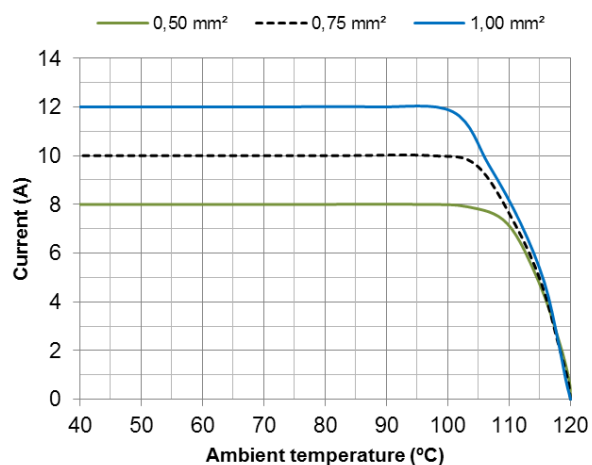
Note: 20% security margin is applied on all derating curves.

Thermal rise curves

Natural brass



Pre-tin plated brass



Disclaimer

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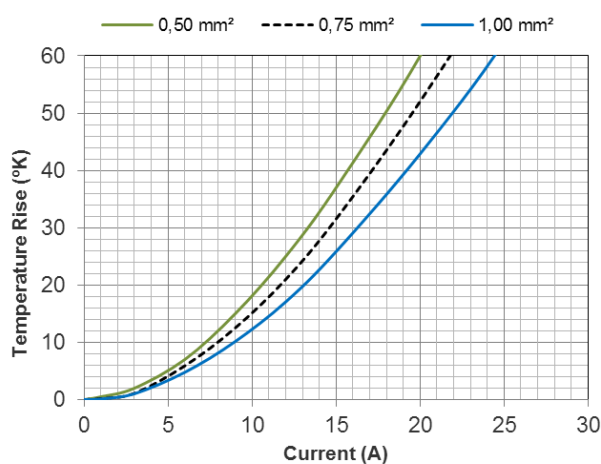
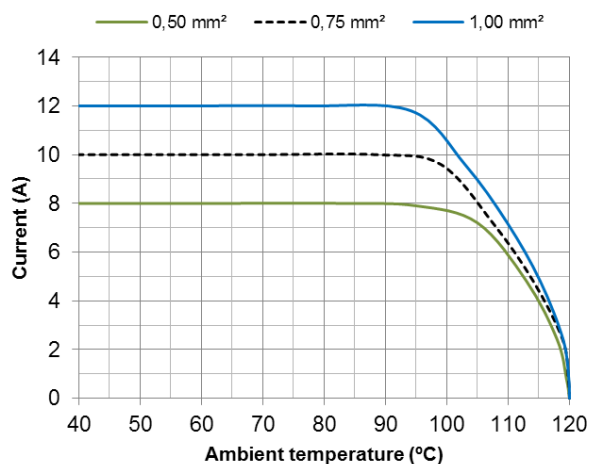


Thermal derating curves

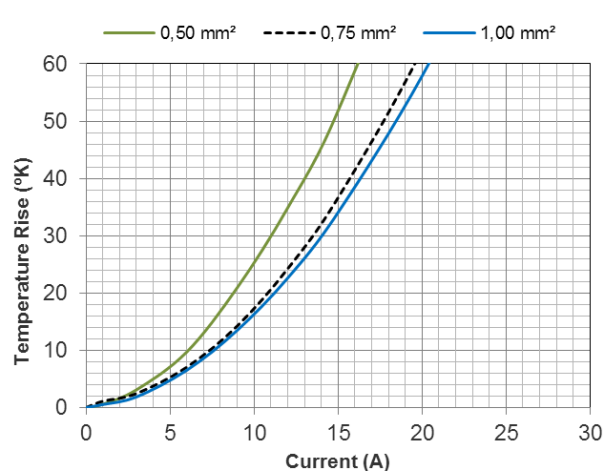
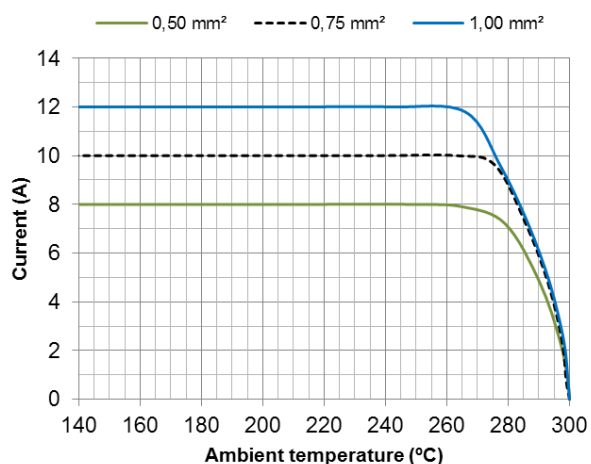
(Maximum current vs. maximum ambient temperature)
Note: 20% security margin is applied on all derating curves.

Thermal rise curves

Natural bronze



Nickel-plated steel



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Rev. Nr.	Modification	Date	Created/Revised	Approved
1	Creation	20/12/2013	D.Martínez	A.Calvet