



5233.**

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



Description Low insertion Male-Female reduced distance for tab 6.3 x 0.8

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

Max. Insulator Ø 4.3 mm.

Materials, Temperature & Contact resistance

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)
5233.00	Brass	Natural	110	1.05
5233.01	Brass	Pre-tin plated	120	0.46
5233.30	Bronze	Natural	120	1.47
5233.31	Bronze	Pre-tin plated	130	1.10
5233.24	Steel	Nickel-plated	300	1.82

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)
1.00	12
1.50	16
2.00	16
2.50	20

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 MN5233

Wire stripping length 5.3 (±0.5) mm

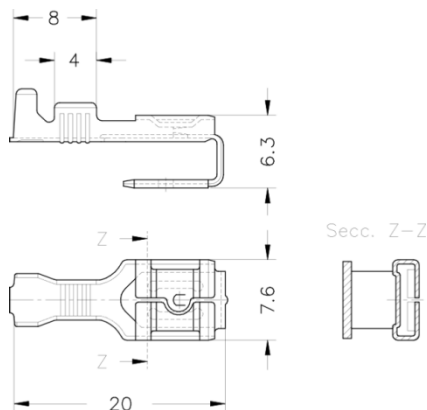
Crimping parameters & Pull out force

Wire section (mm ² ±10%)		Conductor (±0,05)		Insulator (±0,15)	Pull-out force Min (N)	
Nominal	Actual	Height (mm.)	Width (mm.)	Width (mm.)	DIN64249	ESCUBEDO
1.00	0.93	1.55	2.86	4.17	160	170
1.50	1.45	1.70	2.87	4.17	200	210
2.00	2.00	1.85	2.89	4.17	200	220
2.50	2.35	2.00	2.90	4.17	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 30 mm. cardboard reel, 19.5 mm terminal chain pitch

Drawing



Approvals

- RoHS Compliant





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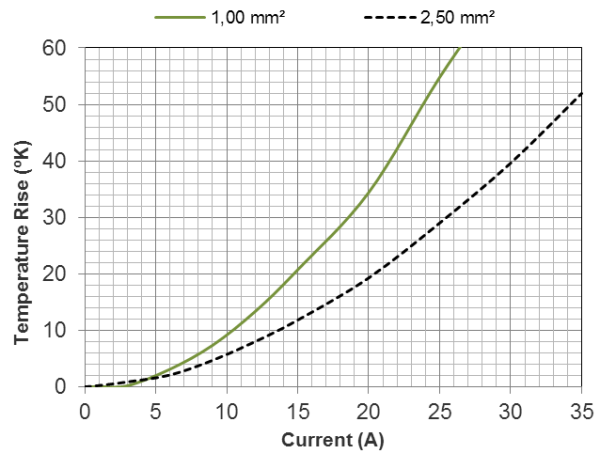
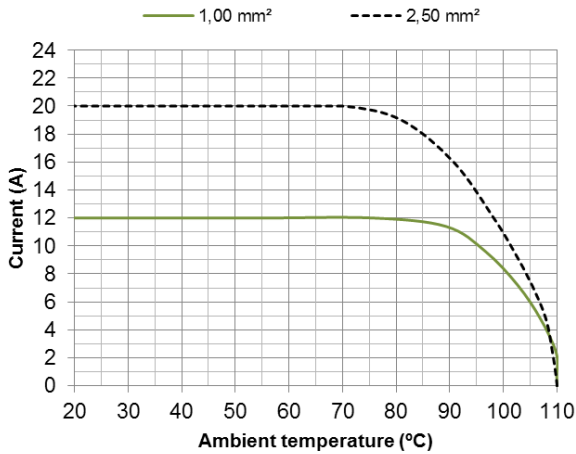


Thermal derating curves

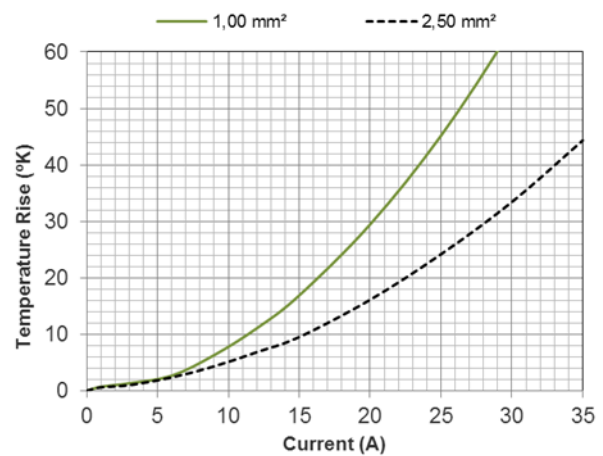
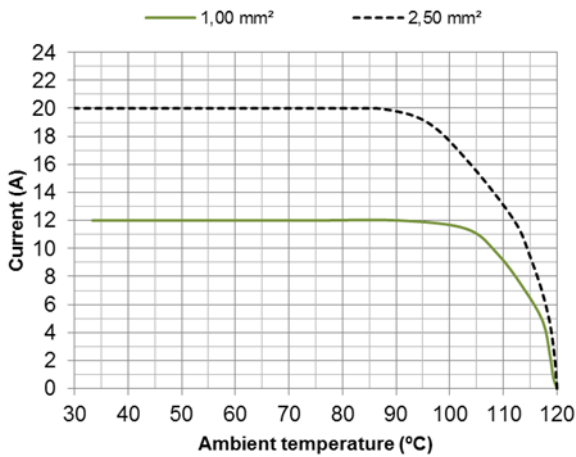
(Maximum current vs. maximum ambient temperature)
Note: 20% security margin is applied on all derating curves.

Thermal rise curves

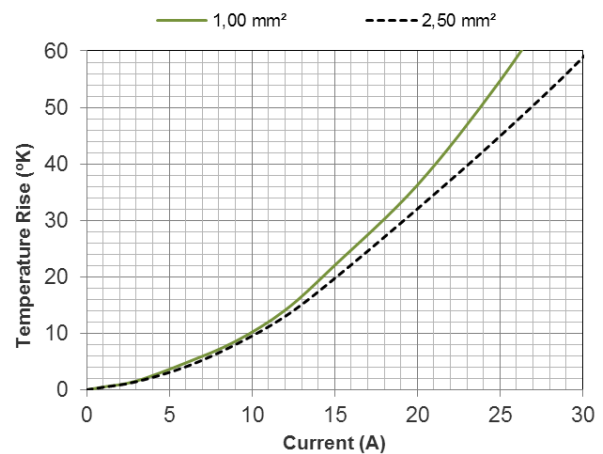
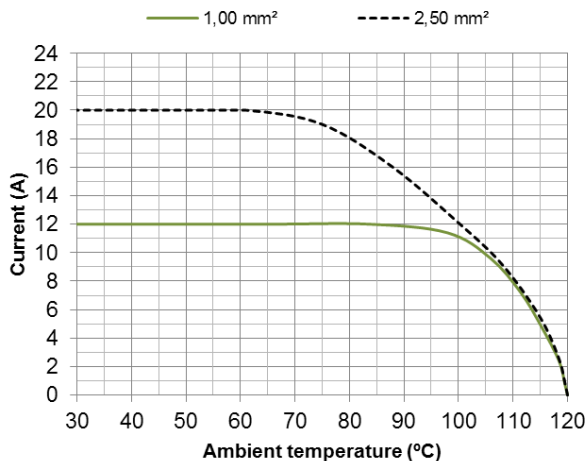
Natural brass



Pre-tin plated bass



Natural bronze





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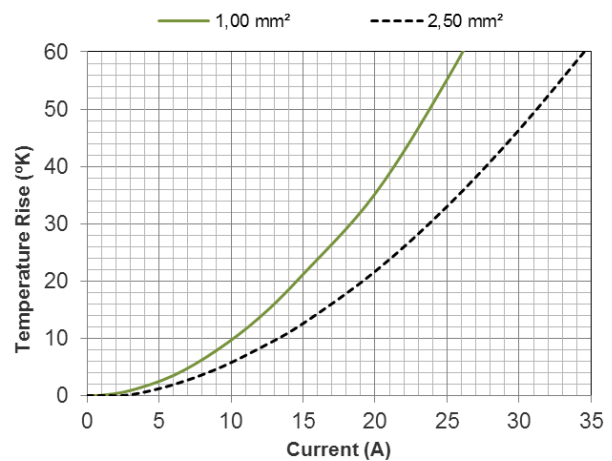
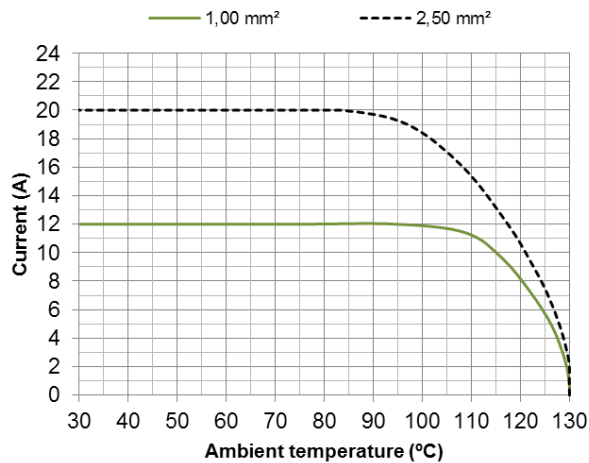


Thermal derating curves

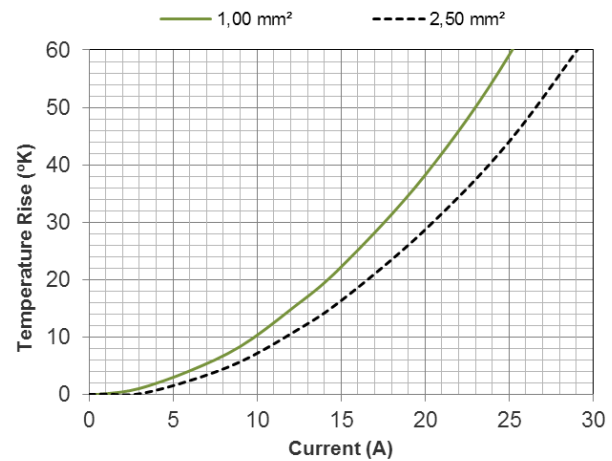
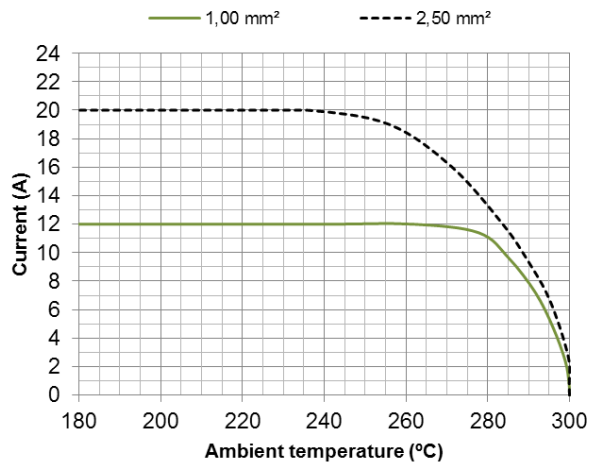
(Maximum current vs. maximum ambient temperature)
Note: 20% security margin is applied on all derating curves.

Thermal rise curves

Pre-tin bronze



Nickel-plated steel



Disclaimer

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Rev. Nr.	Modification	Date	Created/Revised	Approved
1	Creation/update	06/03/2014	D.Martinez	J.C.Sanchez