



# 4913E\*\*

## 4.8 mm (.187) UP-TP LOCK Terminals



**Description** Receptacles Basic self-locking under TP design Low insertion for tab 4.8\*0.5

**Wire section range** 0.50 – 1.50 mm<sup>2</sup> (AWG 20 - 16)

**Max. Insulator Ø** 2.5 mm.

**Materials, Temperature & Contact resistance**

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)
4913E00	Brass	Natural	110	0.63
4913E01	Brass	Pre-tin plated	120	(T.B.D)
4913E02	Brass	Tin plated	120	(T.B.D)
4913E24	Steel	Nickel-plated	300	2.30

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

**Material thickness** 0.35 mm

**Max. Rated current**

Wire section (mm <sup>2</sup> )	Current (A)
0.50	8
0.75	10
1.00	12
1.50	16

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



**Insertion/Withdrawal forces**

1st. Insertion	25 N max.
1st. Withdrawal	70 N Min.

**Application tool** MN4813E

**Wire stripping length** 4.4 (±0.5) mm

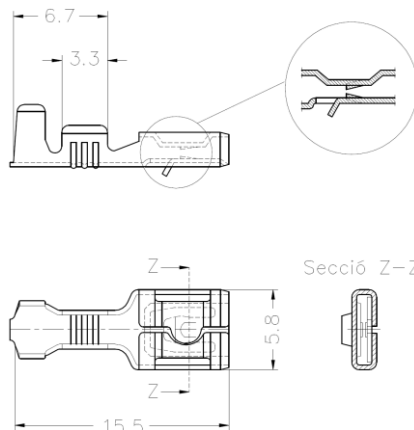
**Crimping parameters & Pull out force**

Wire section (mm <sup>2</sup> ±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	2.36	3.12	≥ 80	> 90
0.75	0.71	1.45	2.37	3.13	≥ 120	> 130
1.00	0.93	1.55	2.38	3.14	≥ 160	>170
1.50	1.36	1.65	2.39	3.15	≥ 200	>210

**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** 10000 Pieces on 300 mm. Ø x 160 mm. wide cardboard reel, 17.5 mm terminal chain pitch

**Drawing**



**Approvals**

- RoHS Compliant



**Notes**

T.B.D.: To be determined



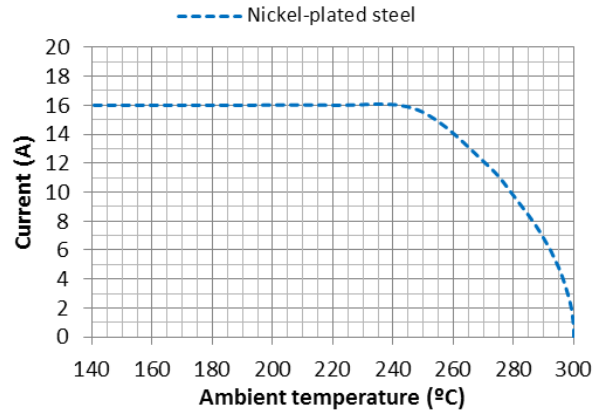
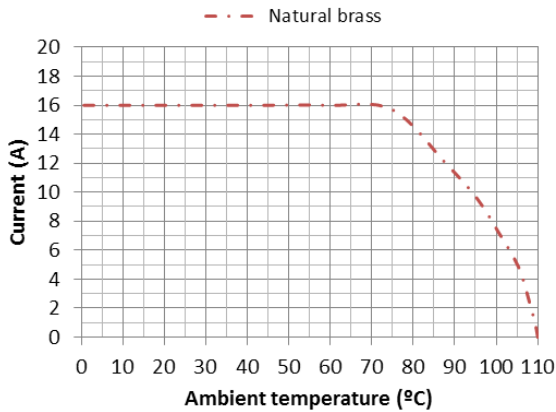
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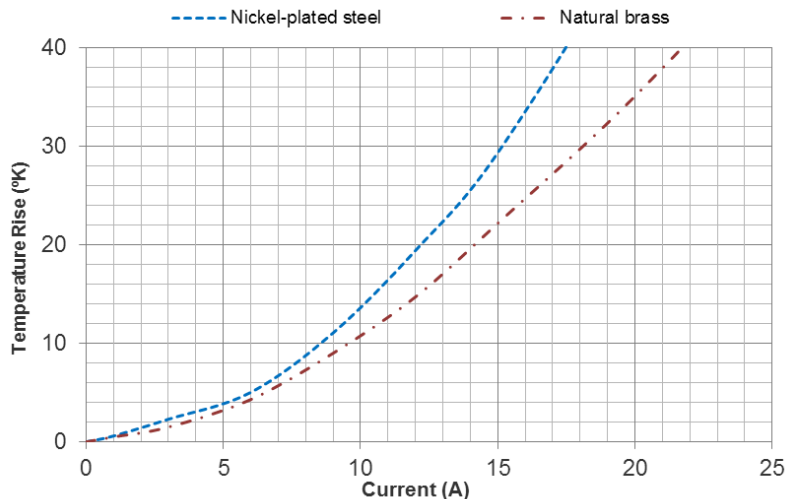


### Thermal derating curves

(Maximum current vs. maximum ambient temperature)  
Note: 20% security margin is applied on all derating curves.  
Section 1.5mm<sup>2</sup> curves.



### Thermal rise curves



#### Disclaimer

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Rev. Nr.	Modification	Date	Created/Revised	Approved
1	Creation/Update	29/11/2013	D.Martinez	A.Calvet
5	Tipographical error " Thermal derating curves for 1.5mm <sup>2</sup> "	12/12/2013	D.Martinez	A.Calvet