



# 4940.\*\*

## 6.3 mm (.250) UP-SEK2 Terminals

**Description** Standard self-locking receptacles for tab 6.3\*0.8

**Wire section range** 0.50 – 1.30 mm<sup>2</sup> (AWG 20 - 16)

**Max. Insulator Ø** 3.3 mm.

**Materials, Temperature & Contact resistance**

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)
4940.00	Brass	Natural	110	0.61
4940.01	Brass	Pre-tin plated	120	(T.B.D.)
4940.30	Bronze	Natural	120	0.80
4940.31	Bronze	Pre-tin plated	130	(T.B.D.)

**Notes:** Temperatures as per DIN 61210 standard.  
Contact resistance ( friction zone) with minimal suitable wire size

**Material thickness** 0.4 mm

**Max. Rated current**

Wire section (mm <sup>2</sup> )	Current (A)
0.50	8
0.75	10
1.00	12
1.30	16



**Thermal derating / Increment curve** (see graphs in following sheet)

**Insertion/Withdrawal forces**

	Brass	Bronze
1st. Insertion	≤ 25 N	≤ 30 N
1st. Withdrawal disconnection	≤ 15 N	≤ 20 N
1st. Withdrawal destruction	≥ 100 N	≥ 100 N

**Application tool** MN4940

**Wire stripping length** 5.5 (±0.5) mm

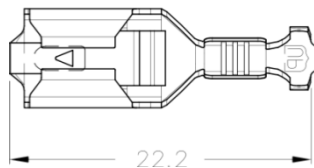
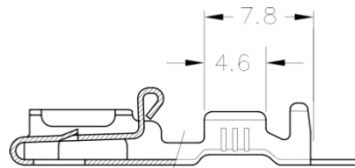
**Crimping parameters & Pull out force**

Wire section (mm <sup>2</sup> ±10%)		Conductor (±0,03)			Insulator (±0,10)	Pull-out force (N)	
Nominal	Actual	Height (mm.)	Width (mm.)		Width (mm.)	DIN64249	ESCUBEDO
0.50	0.45	1.35	2.37		3.72	≥ 80	>90
0.75	0.71	1.40	2.38		3.74	≥ 120	>130
1.00	0.91	1.45	2.38		3.74	≥ 160	>170
1.30	1.34	1.60	2.39		3.76	≥ 160	>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** 1800 Pieces on 300 mm. Ø x 160 mm. wide cardboard reel, 26.4 mm terminal chain pitch

**Drawing**



**Approvals**

- RoHS Compliant



**Notes**

T.B.D.: To be determined



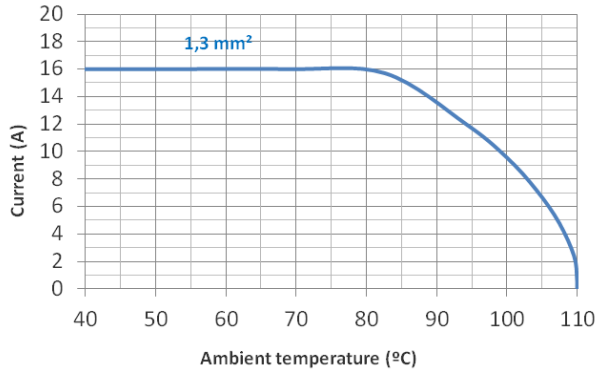
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### Thermal derating curves

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

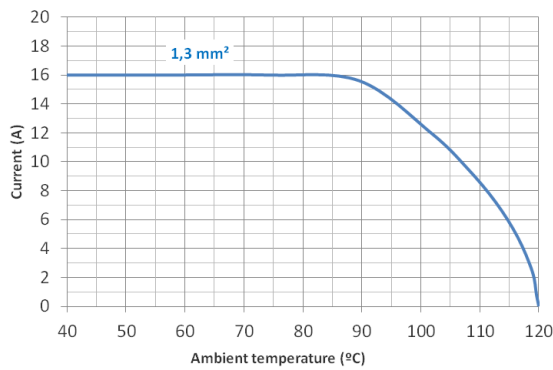
**4940.00 (Brass, natural)**



**4940.01 (Brass, Pre-tin plated)**

(T.B.D.)

**4940.30 (Bronze, natural)**

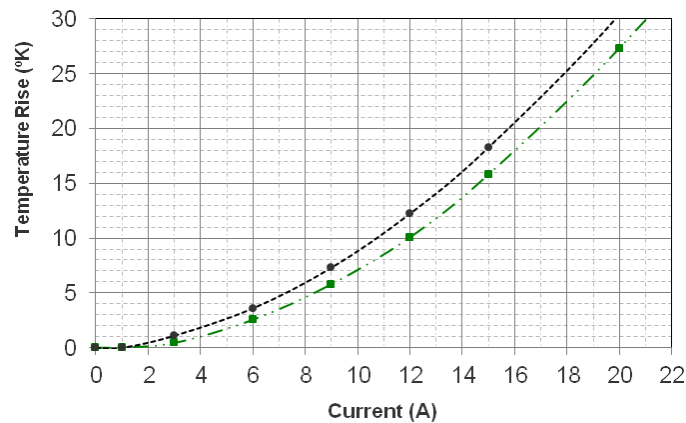


**4940.31 (Bronze, Pre-tin plated)**

(T.B.D.)

### Thermal Increment curves

—■— Natural brass      - - - - - Natural Bronze



#### Disclaimer

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Rev. Nr.	Modification	Date	Created/Revised	Approved
1	Creation	11/04/2013	D.Martinez	A.Calvet