# 4321.**

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

**Description** Receptacles for connector for tab 6.3*0.8 (With dimple)

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

**Max. Insulator Ø** 2.1 mm. FLR

**Materials, Temperature & Contact resistance**

| Part nr. | Material | Finishing | Max. temp. (Cº) | Resist. (mΩ) |
|---|---|---|---|---|
| 4321.00 | Brass | Natural | 110 | 1.83 |
| 4321.02 | Brass | Tin plated | 120 | 0.80 |
| 4321.30 | Bronze | Natural | 120 | (T.B.D) |
| 4321.32 | Bronze | Tin plated | 130 | 1.18 |

**Notes:** Temperatures as per DIN 61210 standard.
Maximal contact resistance (crimp zone + friction zone) with minimal suitable wire size (Using IEC 60760 test method)

**Material thickness** 0.4 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 )

**Thermal derating I Incerement curve** (see graphs in following sheet)

**Insertion/Withdrawal forces**

| | Natural | Tin plated |
|---|---|---|
| 1st. Insertion | ≤ 40 N | ≤ 50 N |
| 1st. Withdrawal | ≤ 45 N | ≤ 60 N |
| 10th. Withdrawal | ≥ 12 N | ≥ 12 N |

**Application tool** *MN4321*

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

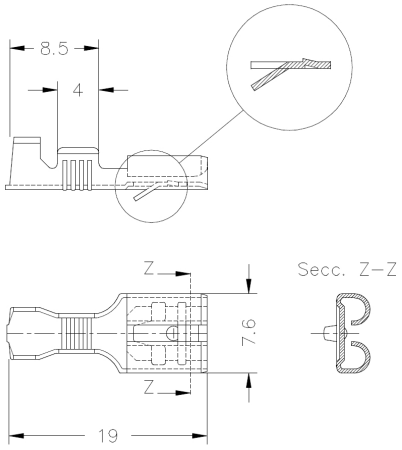
**Crimping parameters & Pull out force**

| Wire section ($mm^2$ ±10%) | | Conductor (mm.) | | Insulator (mm.) | Pull-out force (N) | |
|---|---|---|---|---|---|---|
| Nominal | Actual | Height (±0,03) | Width(±0,05) | Width (+0,15) | DIN46249 | ESCUBEDO |
| 0.50 | 0.45 | 1.40 | 2.36 | 3.50 | ≥ 80 | > 90 |
| 0.75 | 0.68 | 1.50 | 2.36 | 3.50 | ≥ 120 | > 130 |
| 1.00 | 0.90 | 1.58 | 2.38 | 3.50 | ≥ 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** 8000 Pieces on 300 mm. Ø x 160 mm. wide cardboard reel, 21.4 mm terminal chain pitch

**Drawing**




**Approvals**

- RoHS Compliant

**Notes**

T.B.D.: To be determined

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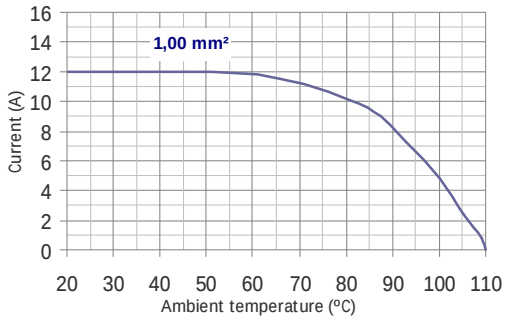
# 4321.**

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

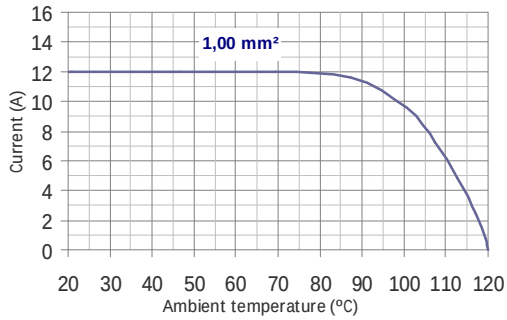
## Thermal derating curves

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

### 4321.00 (Brass, natural)



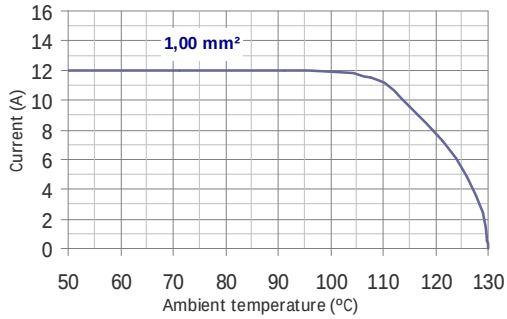

### 4321.02 (Brass, tin plated)



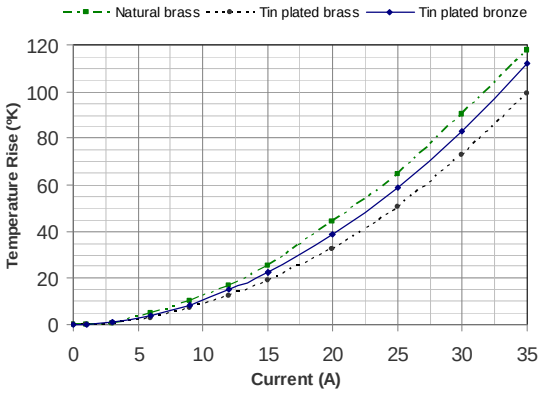

### 4321.30 (Bronze, natural)

(T.B.D)

### 4321.32 (Bronze, tin plated)




## Temperature Rise curves

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| Rev. Nr. | Modification | Date | Created/Revised | Approved |
|---|---|---|---|---|
| 1 | Creation/Update | 15/11/12 | D.Martinez | A.Calvet |
| 2 | Added materials | 21/11/12 | D.Martinez | J.C.Sanchez |

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