

5429.**



6.3 MM (.250) UP-STA TERMINALS - SHORT FLAG

Description Receptacles for tab 6.3 x 0.8. Short Flag

Wire section range 0.50 – 1.50 mm² (AWG 20 - 16)

Max. Insulator Ø 3.3 mm.

Din Especial



Materials, Temperature & Contact resistance

| Part nr. | Material | Finishing | Max. temp. (C°) | Resist. (mΩ) |
|----------|----------|----------------|-----------------|--------------|
| 5429.00 | Brass | Natural | 110 | 1.65 |
| 5429.01 | Brass | Pre-tin plated | 120 | (T.B.D.) |
| 5429.02 | Brass | Tin plated | 120 | 0.60 |
| 5429.30 | Bronze | Natural | 120 | (T.B.D.) |
| 5429.31 | Bronze | Pre-tin plated | 130 | 0.65 |
| 5429.32 | Bronze | Tin plated | 130 | (T.B.D.) |
| 5429.24 | Steel | Nickel-plated | 300 | 1.70 |

Note: Max recommended temperatures
 Maximal contact resistance: only contact zone

Material thickness 0,4 mm

Max. Rated current

Maximum Current values.

Values of the table show the recommended maximum current values, limited by the cross section of the cable used. These maximum values also depend on the ambient temperature, and can be reduced depending on the working conditions. For more precise information about the maximum rating current applicable in each case, consult the "Temperature Rise" and "Derating" curves.

| Wire section (mm ²) | Current (A) |
|---------------------------------|-------------|
| 0.50 | 8 |
| 0.75 | 10 |
| 1.00 | 12 |
| 1.50 | 16 |

Insertion/Withdrawal forces

| | Natural | Tin plated |
|------------------|---------|------------|
| 1st. Insertion | ≤ 60 N | ≤ 80 N |
| 1st. Withdrawal | ≤ 60 N | ≤ 80 N |
| 10th. Withdrawal | ≥ 18 N | ≥ 20 N |

Application tool MN5429

Wire stripping length 4.5(±0.5) mm

Crimping parameters & Pull out force

| Wire section (mm ²) | Conductor (mm) | | Insulator (mm) | Pull-out force (N) |
|---------------------------------|----------------|------------------|------------------|--------------------|
| | Height (±0.05) | Width (measured) | Width (measured) | |
| 0.50 | 1.35 | 2.46 | 3.36 | > 90 |
| 0.75 | 1.45 | 2.47 | 3.37 | > 130 |
| 1.00 | 1.55 | 2.48 | 3.38 | > 170 |
| 1.50 | 1.75 | 2.50 | 3.40 | > 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.

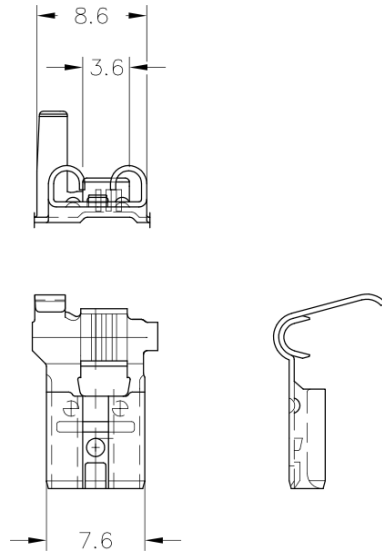
Packaging 3500 Pieces on 20 mm. cardboard reel, 19.5 mm terminal chain pitch

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Drawing



Approvals

- RoHS Compliant



Connectors Compatibility

| Part number | Color | Way | Material |
|-------------|---------|-----|----------|
| 2643210 | Natural | 1 | PA66V2 |
| 2643230 | Natural | 1 | PA66V0 |
| 2643240 | Natural | 1 | PANF |

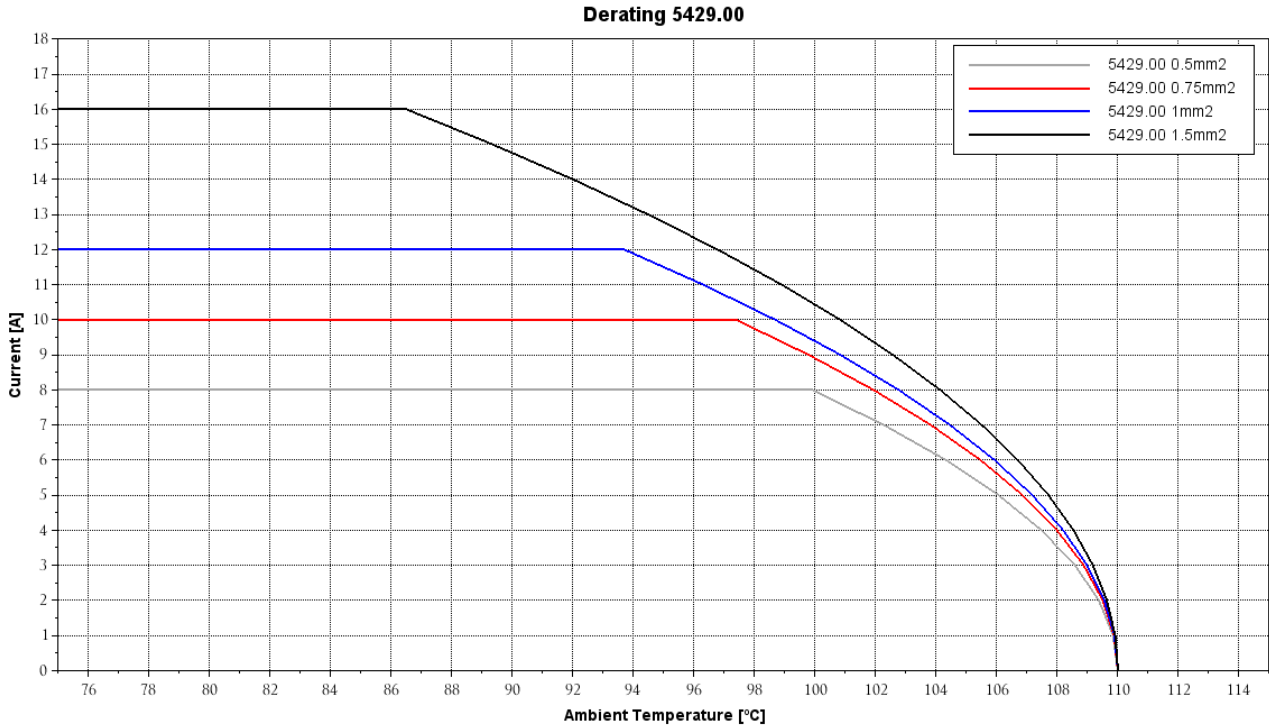
Note: For others materials and colours consult the specific datasheet

Note: T.B.D. To be determined

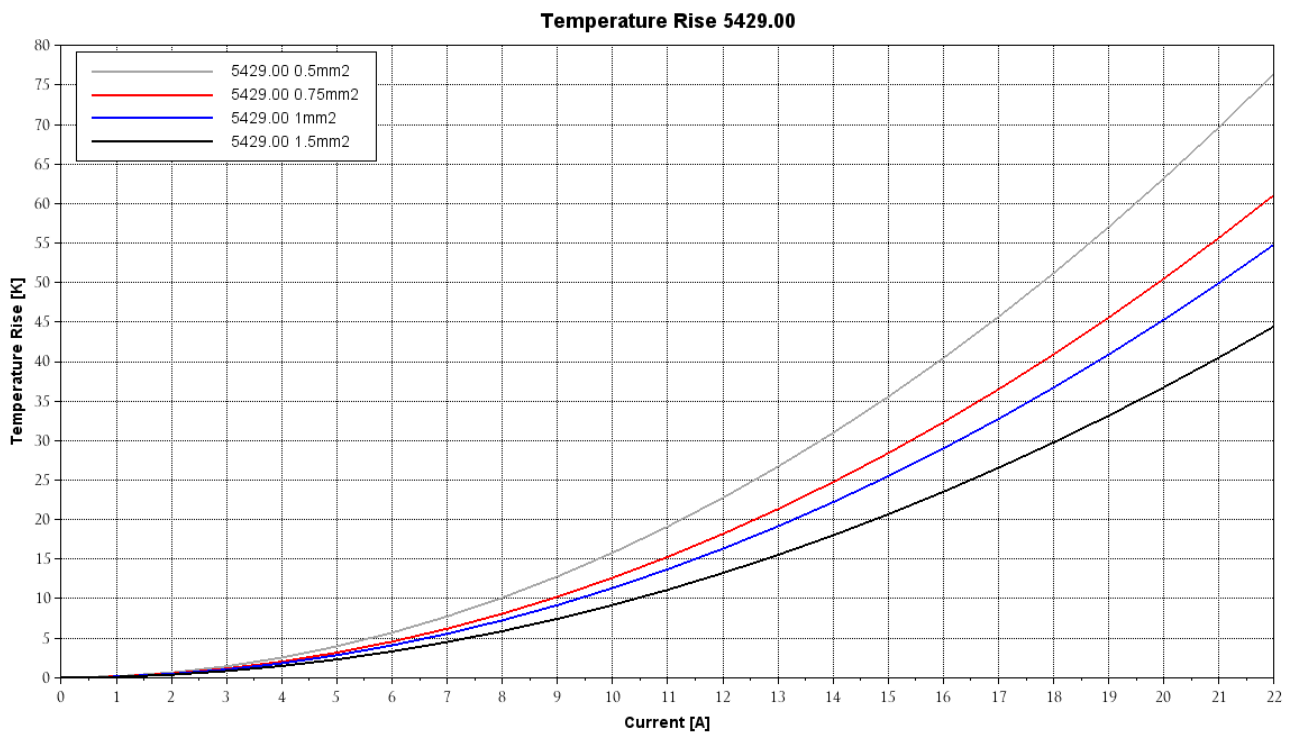
5429.00 NATURAL BRASS
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

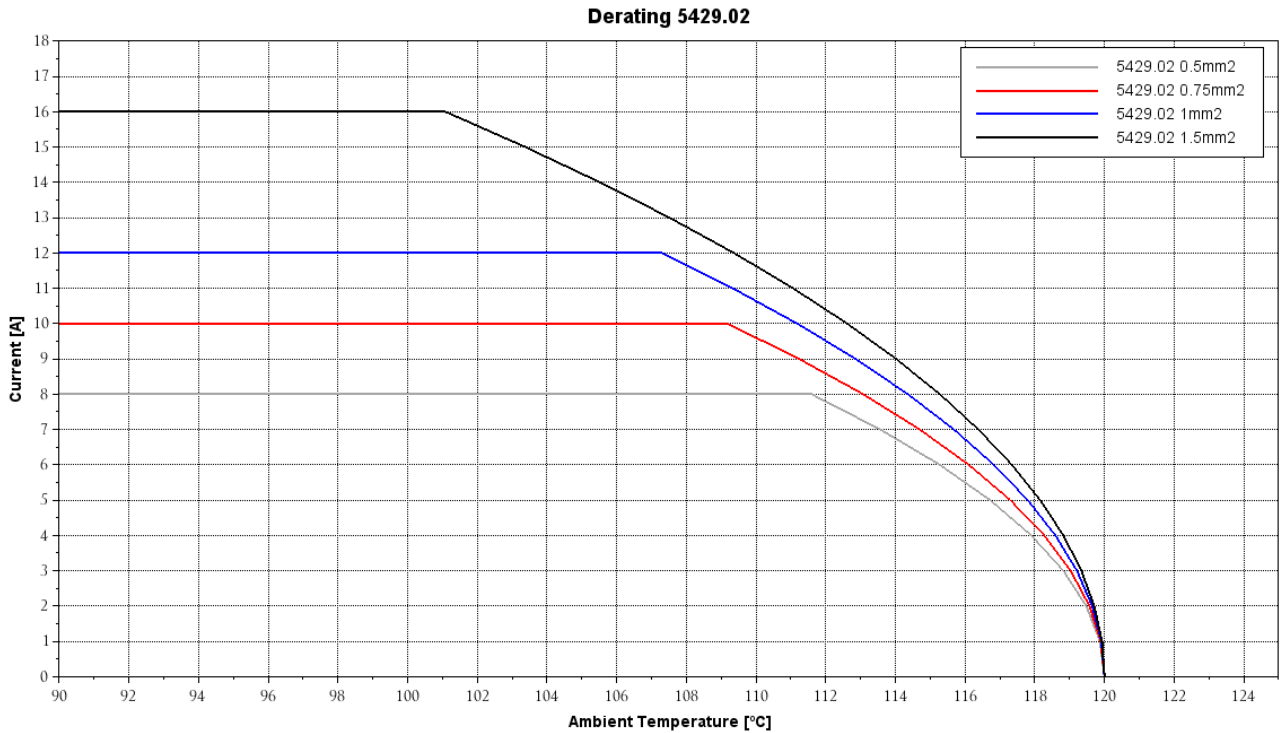


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

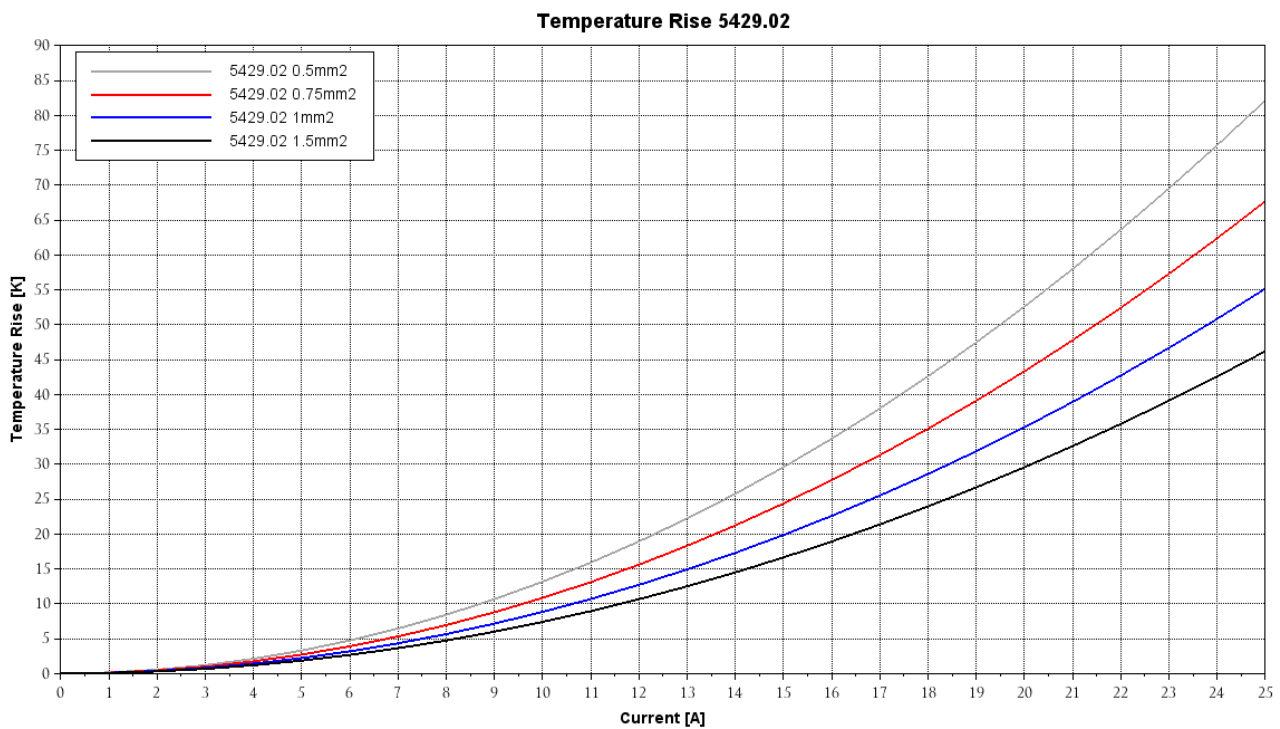
5429.02 TIN-PLATED BRASS
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

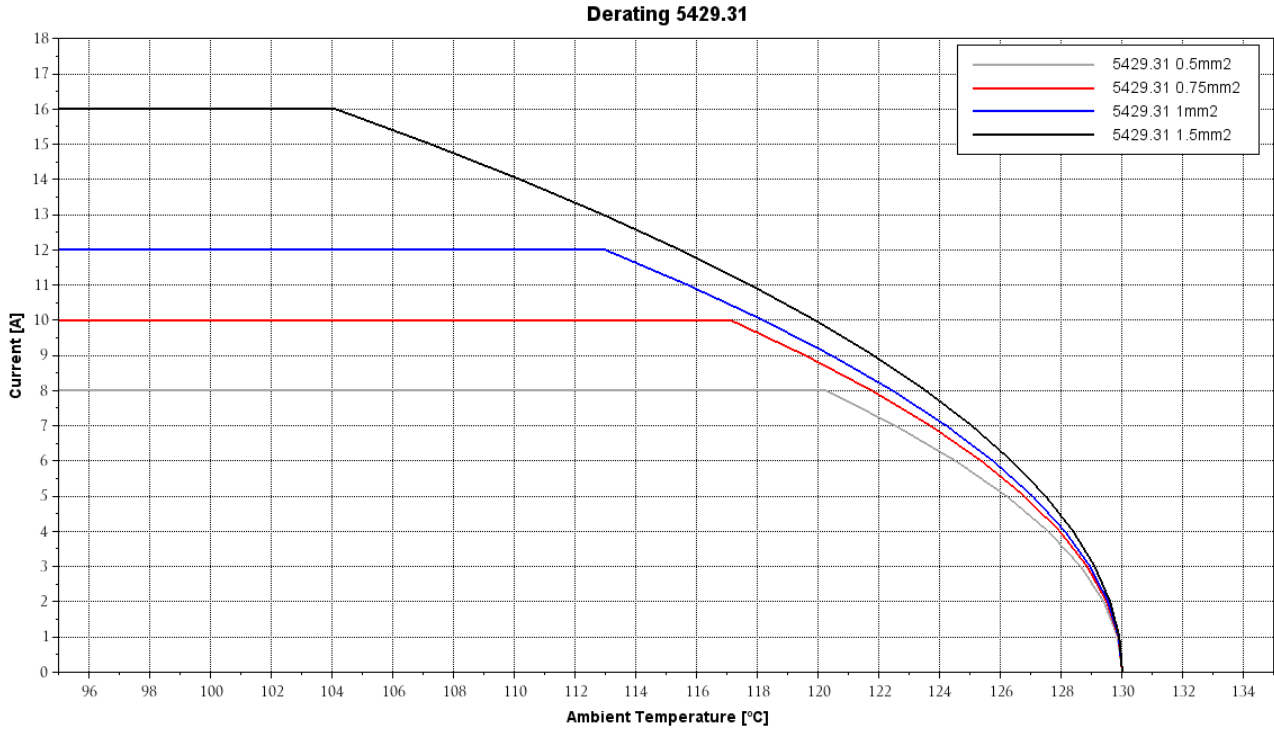


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

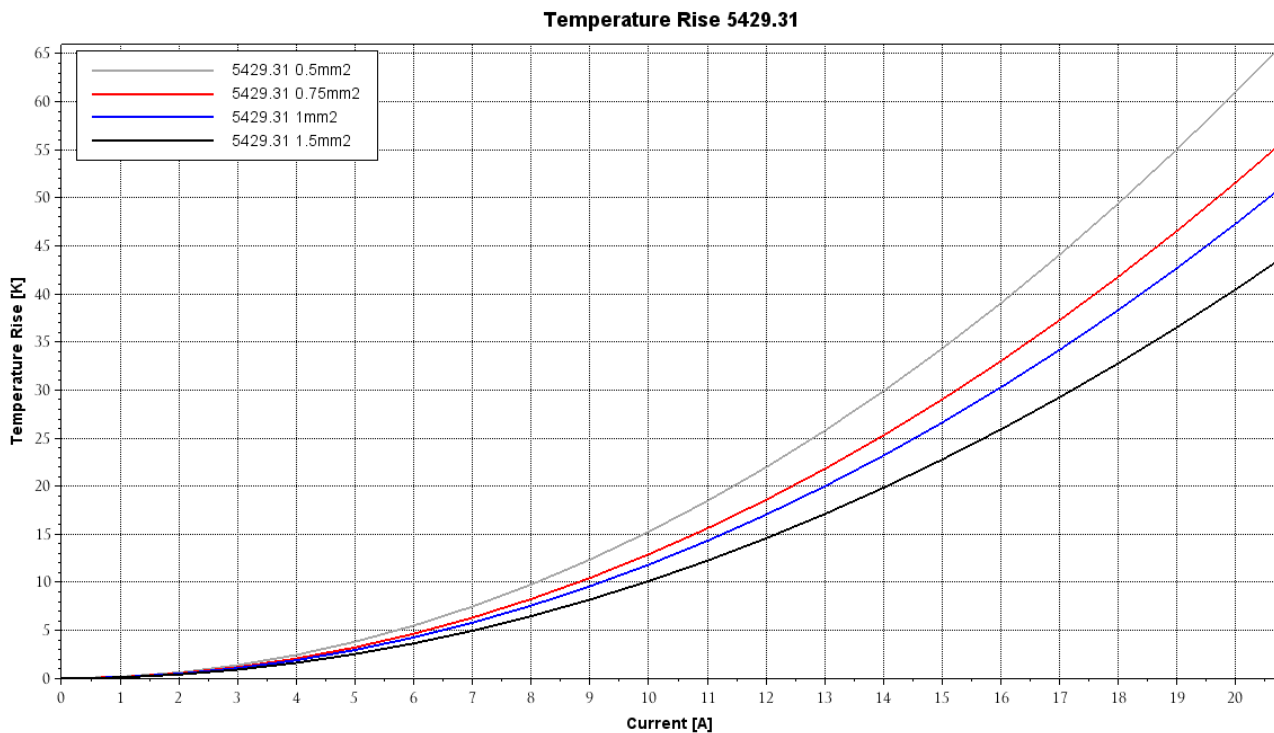
5429.31 PRE TIN-PLATED BRONZE
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

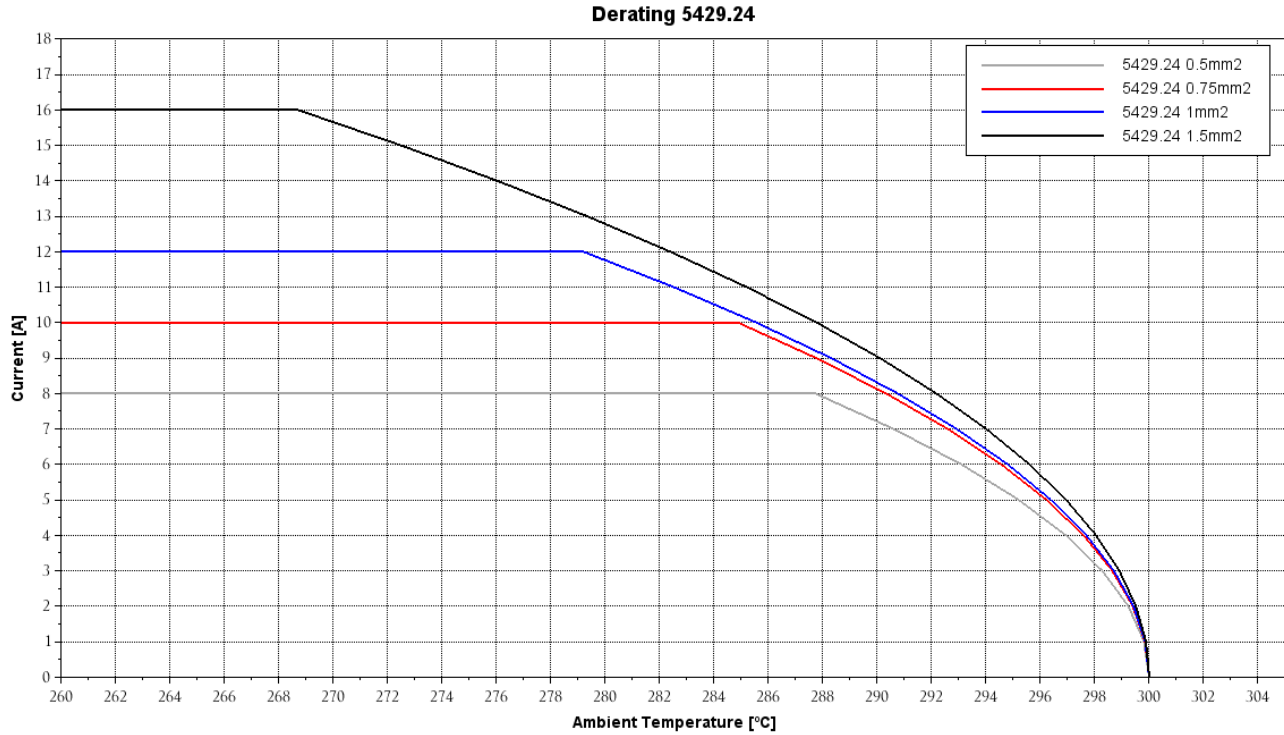


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

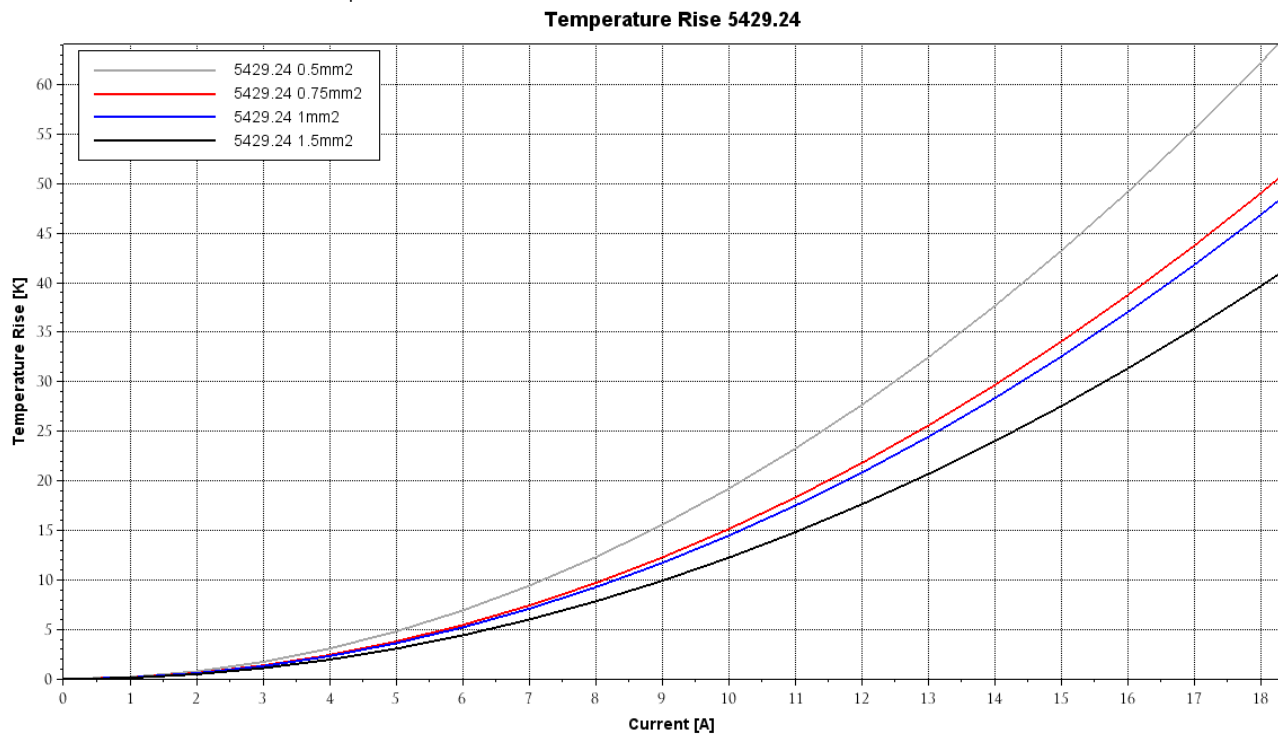
5429.24 NICKEL-PLATED STEEL
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried



Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

Disclaimer

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publicised only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us.

| Rev. Nr. | Concept | Date | Created/Revised | Approved |
|----------|---|------------|----------------------|-------------|
| 3 | Correction – Insulation crimp type | 13/09/2016 | E.Roura | X.Menac |
| 2 | Correction - 'Connectors compatibility Table' | 29/07/2015 | D.Martinez / E.Roura | X.Menac |
| 1 | Update | 05/05/2015 | D.Martinez / E.Roura | JC. Sanchez |