4921.**

6.3 MM (.250) UP-TP SEK TERMINALS - LOW INSERTION

Description

Self-locking receptacles for 6.3*0.8 Tabs. Low insertion terminals

Wire section range

0.50 ÷ 1.50 mm² (AWG 20 ÷ 16)

Max. Insulator Ø

3.3 mm

Materials, Temperature & Contact resistance

Part nr.	Material	Finish	Max. temp. (Cº)	Resist. (mΩ)
4921.00	Brass	Natural	110	0.60
4921.01	Brass	Pre tin plated	120	0.40
4921.30	Bronze	Natural	120	(T.B.D.)
4921.31	Bronze	Pre tin plated	130	(T.B.D.)
4921.70	Steel	Nickel-plated	300	(T.B.D.)

Notes: Maximal contact resistance: only contact area

Material thickness

0.4 mm

Security function

Self-locking function prevents disconnection by pulling the cable. Disconnection is possible disabling the locking function, sliding the connector. It allows several connections – disconnections maintaining the functional features.

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 "De-rating" curves.

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

Insertion/Withdrawal forces

1st. Insertion	25 N Max.
1st. Withdrawal (locking enabled)	50 N Min.

Application tool

MN4921

Wire striping length

5.7 (±0.5) mm

Crimping parameters & Pull out force

Wire section (mm^2 ±10%)		Conductor (mm)		Insulator (mm)	Pull-out force (N)
Nominal	Actual	Height (±0,05)	Width (measured)	Width (measured)	Escubedo
0.50	0.45	1.40	2.38	3.54	>90
0.75	0.71	1.50	2.39	3.50	>130
1.00	0.93	1.60	2.40	3.49	>170
1.50	1.45	1.70	2.42	3.49	>220

Note: Values only valid for the application tool specified. The insulator width is only indicative as they depend of the insulation properties.

Packaging

6000 Pieces on 300 mm. Ø x 160 mm. wide cardboard reel, 21.4 mm terminal chain pitch

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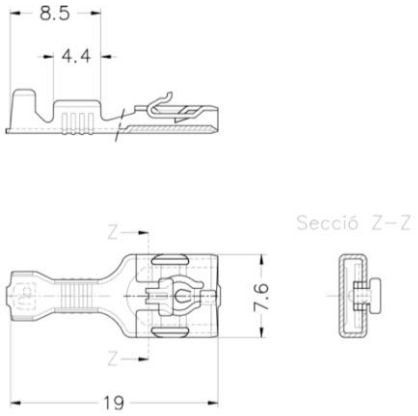
Drawing



Approvals

- RoHS Compliant

Connectors Compatibility

Part Number	Nº of Ways	Color	PA NF	PA66 V2	PA66 V0
2631910	1	Natural	-	x	-
P549510	5	Natural	-	x	-

Note: For others materials and colours consult the specific datasheet

Note: (T.B.D.) to be determined

4921.00 NATURAL BRASS

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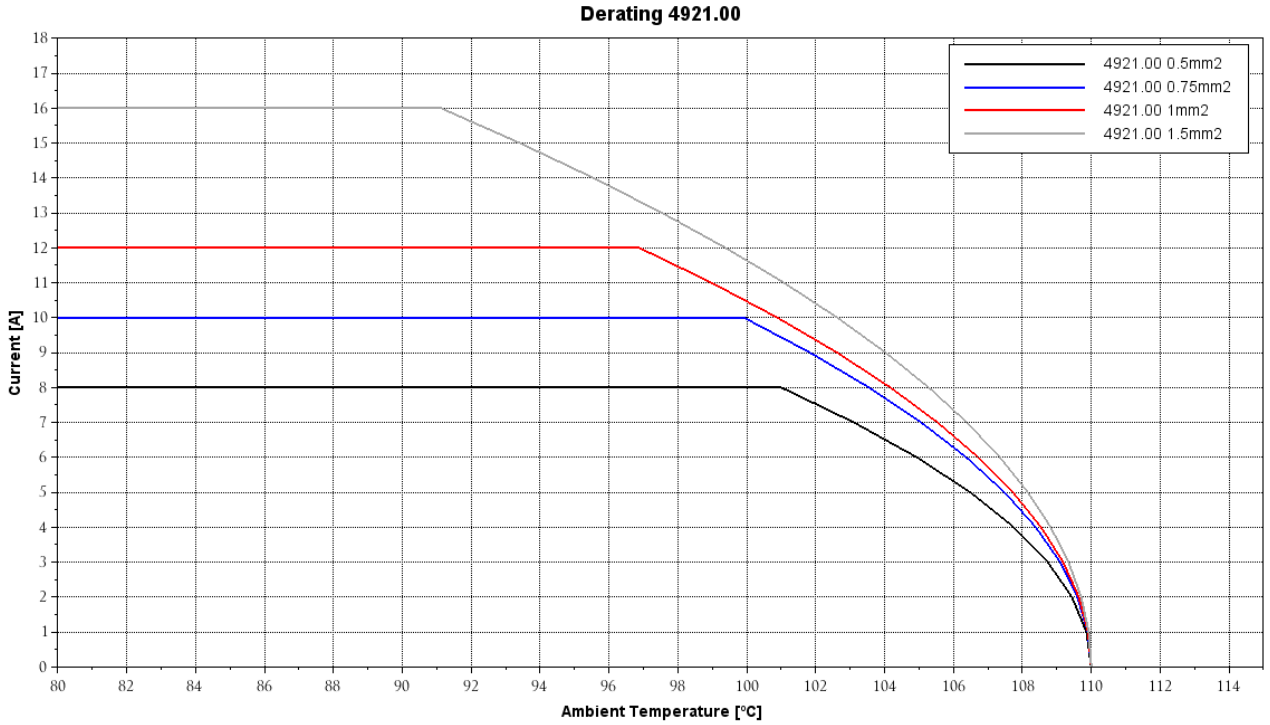
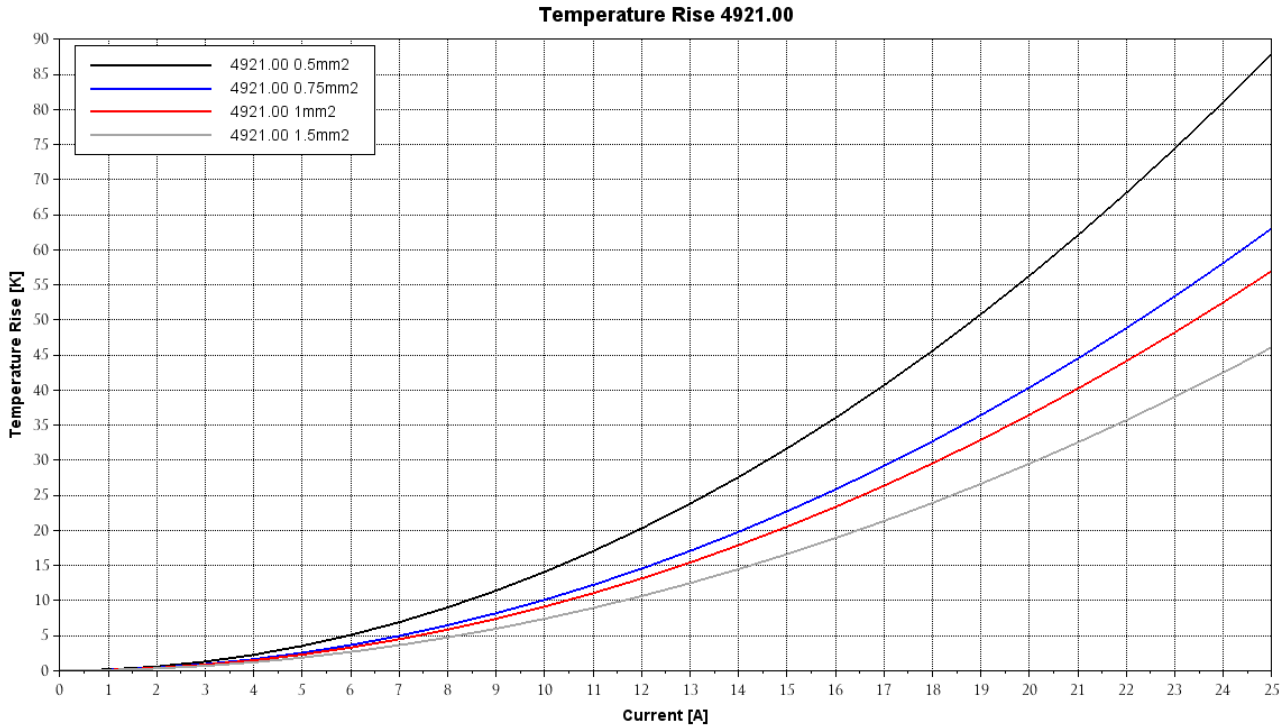
Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

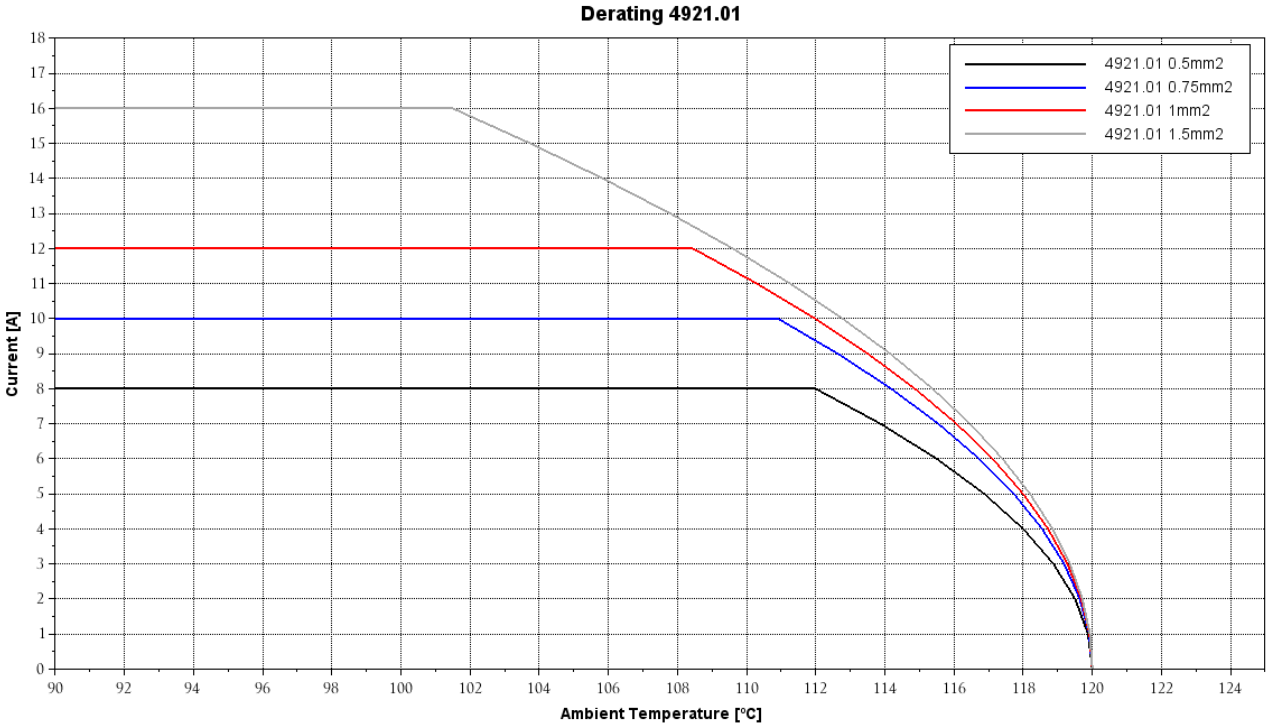


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

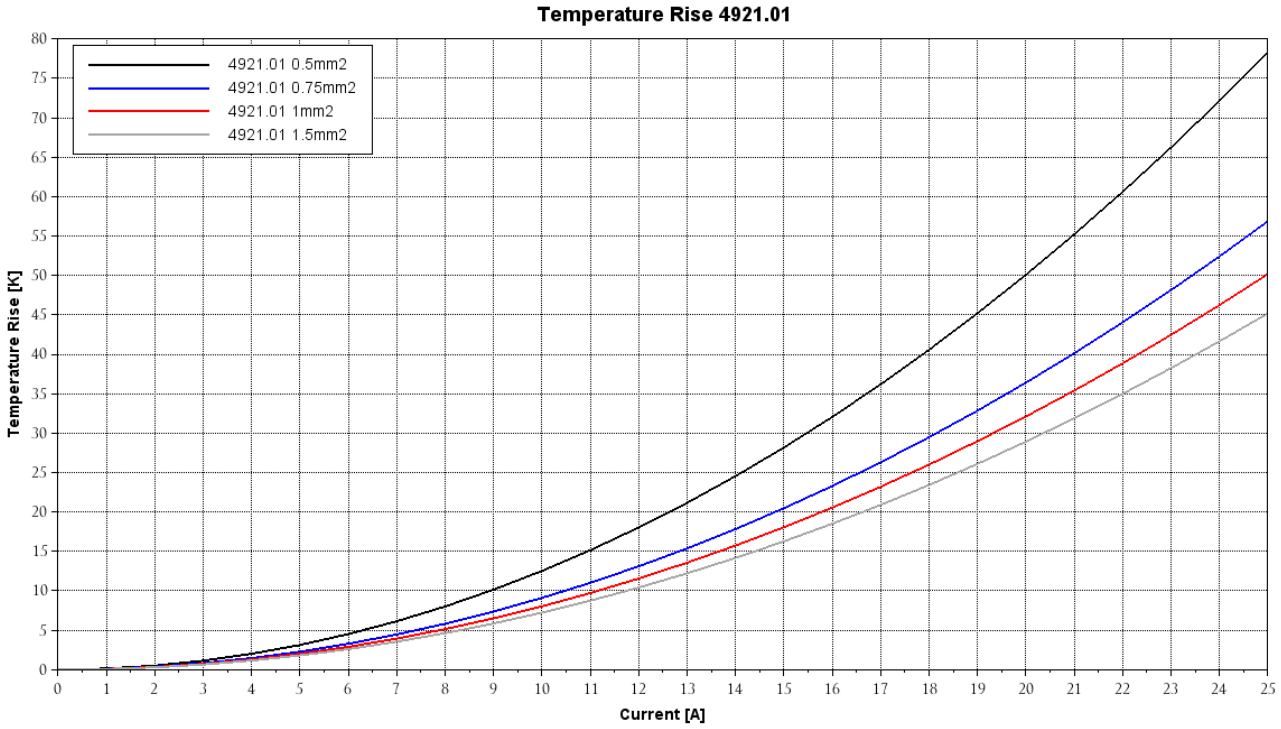
4921.01 PRE-TIN PLATED BRASS

6.3 MM (.250) UP-TP SEK TERMINALS - LOW INSERTION

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.

Rev. Nr.	Concept	Date	Created/Revised	Approved
7	Update Thermal and electric specifications Update format	27/10/2015	D.Martinez / E.Roura	J.C.Sanchez
6	Update dv	25/05/2011	D.Martinez	A. Calvet

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