

5720.**

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




Description Flag receptacle for 6.3*0.8 Tabs. Basic self-locking under TP design. 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. (C°)	Resist. (mΩ)	UL Regulation
5720.00	Brass	Natural	110	0.70	
5720.01	Brass	Pre tin plated	120	(T.B.D.)	
5720.02	Brass	Tin plated	120	(T.B.D.)	-
5720.30	Bronze	Natural	120	(T.B.D.)	-
5720.31	Bronze	Pre tin plated	130	(T.B.D.)	-
5720.32	Bronze	Tin plated	130	(T.B.D.)	-
5720.24	Steel	Nickel-plated	300	1.50	
5720.70	German Silver	Natural	210	(T.B.D.)	-

Notes: Maximal contact resistance: only contact area

Material thickness 0.4 mm

Security function The self-locking function prevents the disconnection.

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

	Brass / Bronze	Steel / German Silver
1 st . Insertion	35 N Max.	35 N Max.
1 st . Withdrawal (locking enabled)	90 N Min.	70 N Min.

Application tool MN5333

Wire stripping length 4.4 (±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	2.47	3.5	>90
0.75	0.71	1.45	2.48	3.5	>130
1.00	0.93	1.50	2.50	3.5	>170
1.50	1.45	1.65	2.54	3.5	>220

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

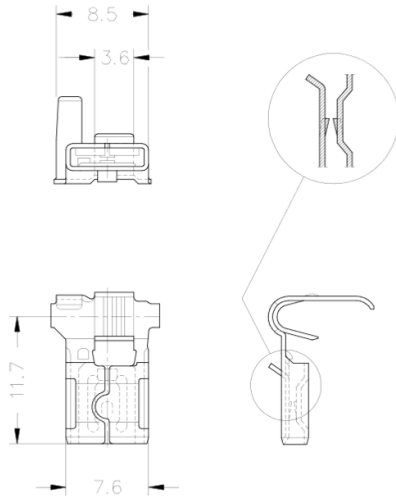
Packaging 3500 Pieces on 20 mm. cardboard reel, 19.5 mm terminal chain pitch

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Drawing



Approvals

- RoHS Compliant
- UL (See table above)



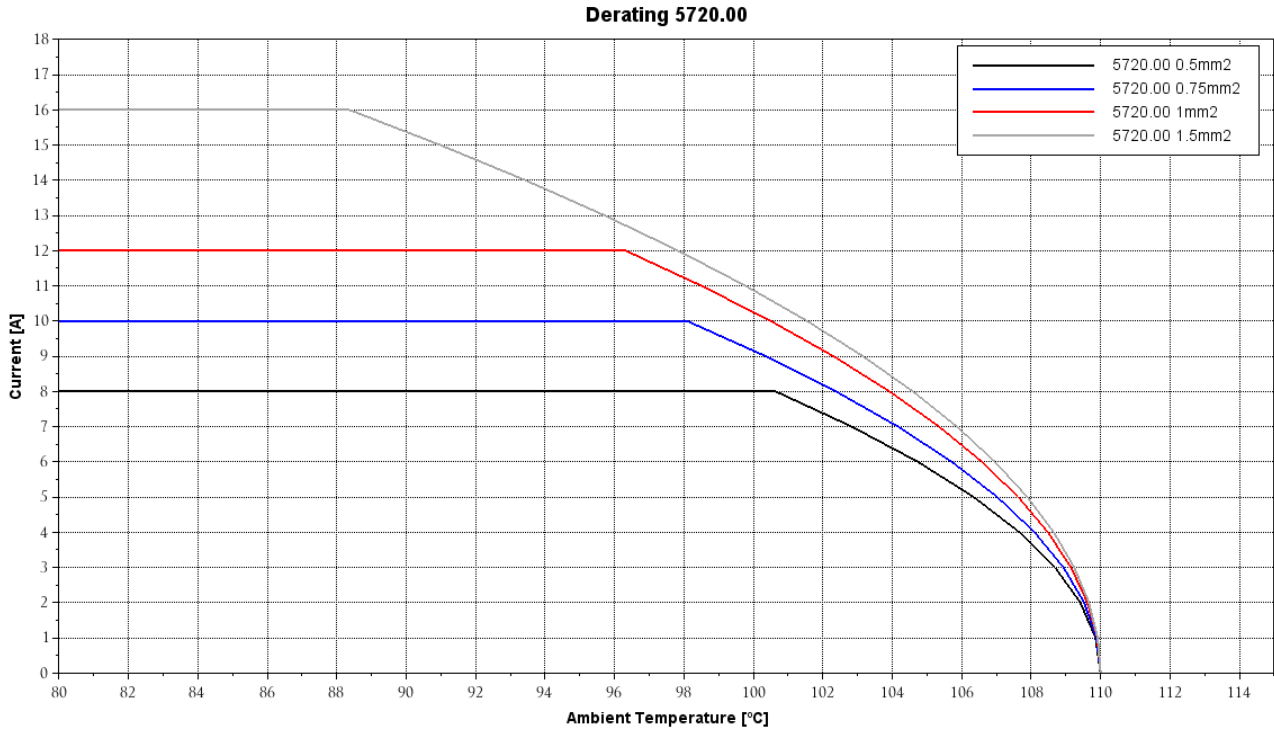
Note: (T.B.D.) to be determined

5720.00 NATURAL BRASS

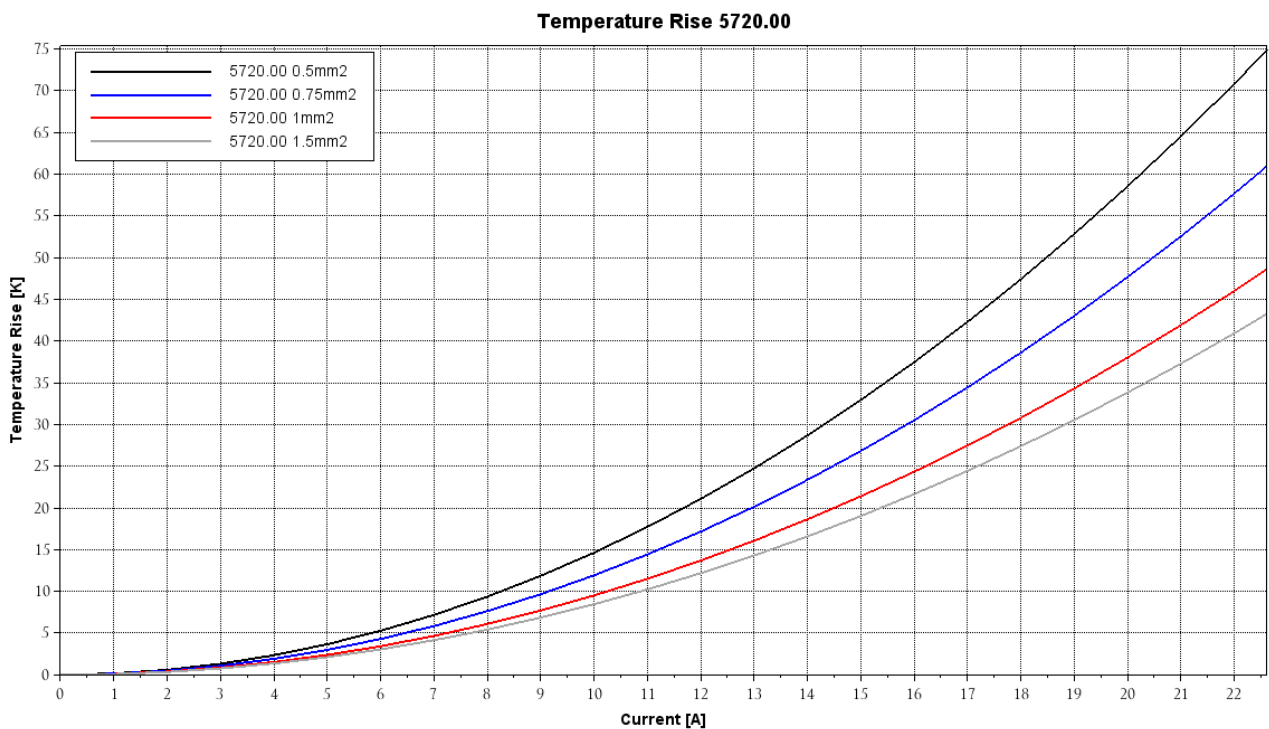
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Derating Curve. Current carrying capacity vs. Ambient Temperature



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.

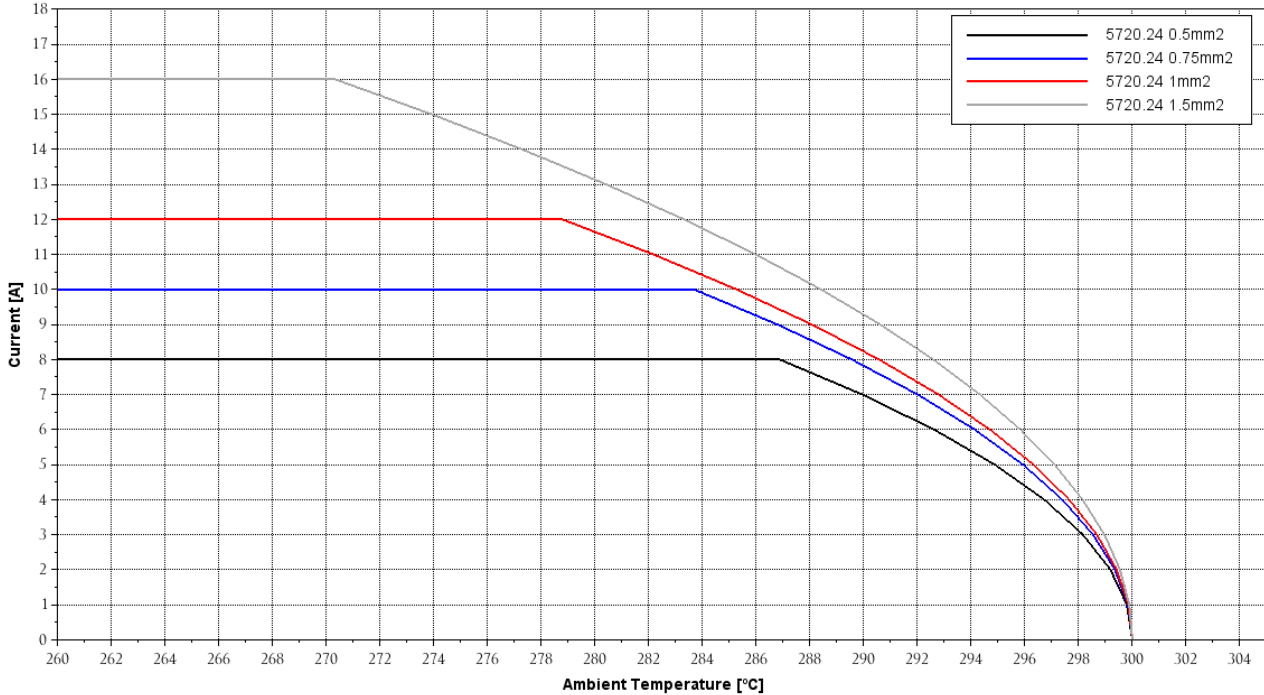
5720.24 NICKEL PLATED STEEL

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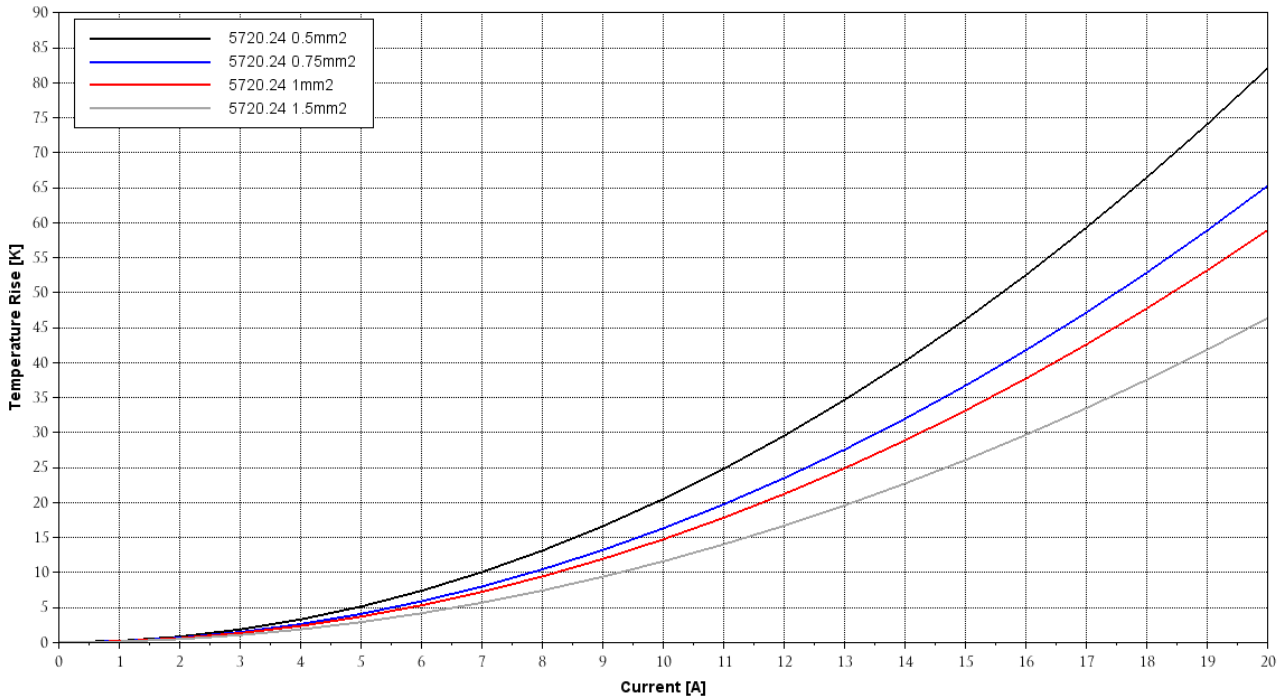
Derating Curve. Current carrying capacity vs. Ambient Temperature

Derating 5720.24



Temperature Rise Curve Terminal Temperature rise due to the current carried

Temperature Rise 5720.24



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, cabling, 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
6	Correction of Insertion and withdrawal forces	10/06/2016	D.Martinez / E.Roura	X.Menac
5	Update Thermal and electric specifications Update format	02/11/2015	D.Martinez / E.Roura	J.C.Sanchez
4	Crimp data & pull-out force modification	03/09/2013	D.Martinez	JC Sanchez