

4327.**



6.3 MM (.250) UP-STA TERMINALS





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

Wire section range 1.00 – 2.50 mm² (AWG 18 - 14)

Max. Insulator Ø 4.3 mm.



Materials, Temperature & Contact resistance

Part nr.	Material	Finishing	Max. temp. (C°)	Resist. (mΩ)	UL regulation
4327.00	Brass	Natural	110	0.65	
4327.02	Brass	Tin plated	120	0.45	
4327.30	Bronze	Natural	120	0.75	
4327.32	Bronze	Tin plated	130	0.50	

Notes: Temperatures as per IEC 61210 standard.
 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)
1.00	12
1.50	16
2.00	16
2.50	20


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 MN4327

Wire striping length 5.0(±0.5) mm

Crimping parameters & Pull out force

Wire section (mm ² ±10%)		Conductor (±0,05) 		Insulator (±0,15)	Pull-out force (N)	
Nominal	Actual	Height (mm.)	Width (mm.)	Width (mm.)	DIN64249	ESCUBEDO
1.00	0.91	1.55	3.04	4.09	≥ 160	> 170
1.50	1.35	1.70	3.04	4.10	≥ 200	> 210
2.00	2.00	1.80	3.05	4.11	≥ 200	> 210
2.50	2.35	1.90	3.06	4.12	≥ 250	> 260

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.

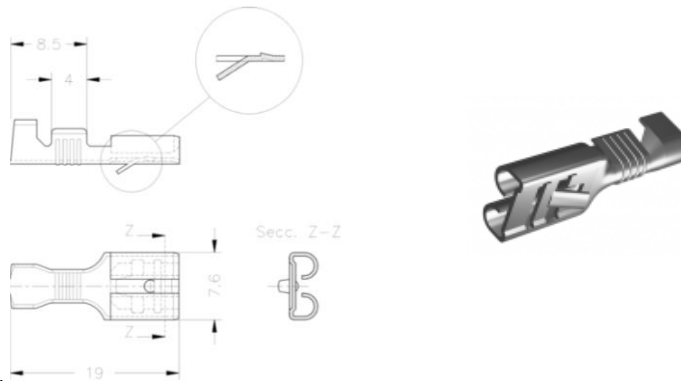
Packaging 7000 Pieces on 300 mm. Ø x 160 mm. wide cardboard reel, 21.4 mm terminal chain pitch

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Drawing



Approvals

- RoHS Compliant
- UL (see table above)



Connectors Compatibility

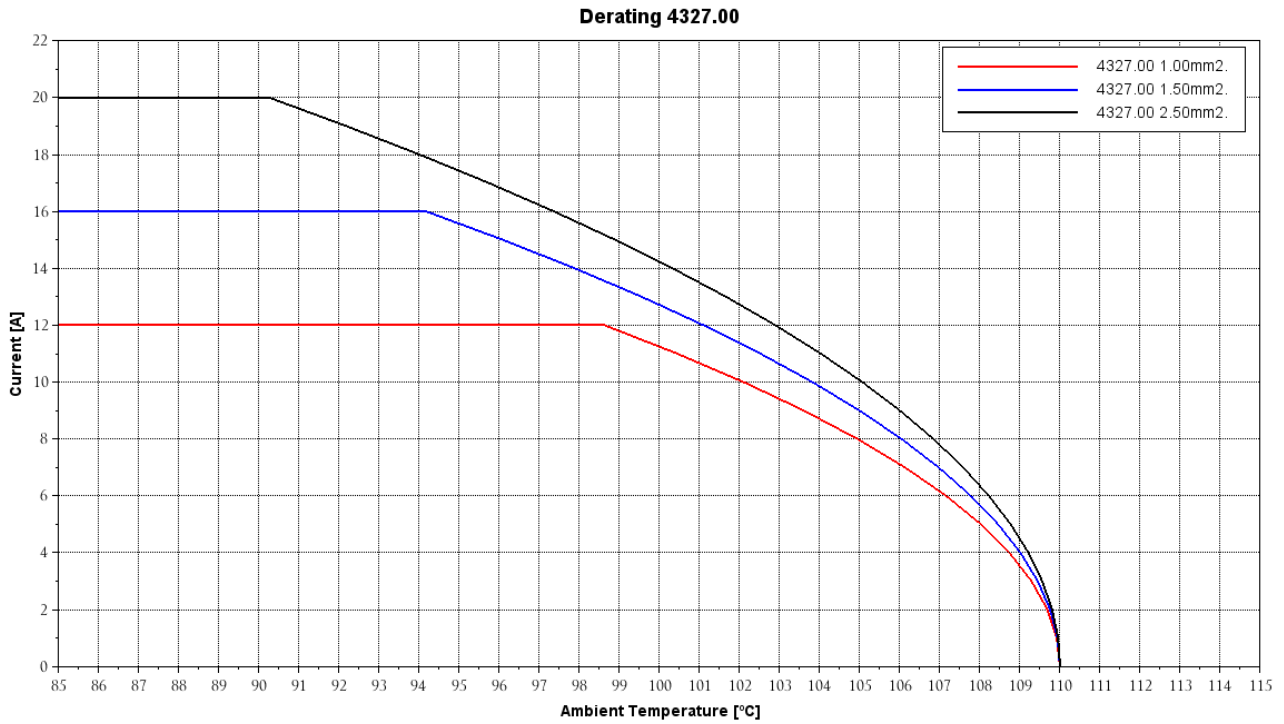
Part number	Color	Way	PA66V2	PA66V0	ABS	No Flame
2635110	Natural	1	x			
2635210	Natural	2	x			
2635310	Natural	3	x			
2635410	Natural	4	x			
2635610	Natural	6	x			
2635810	Natural	8	x			
2637410	Natural	2	x			
2637810	Natural	2				
2637510	Natural	2	x			
2638610	Natural	6	x			
2639728	Grey	6 (3x2)			x	
2639010	Natural	5x2	x			
2638010	Natural	11	x			
2638710	Natural	12	x			
2635540	Natural	4				x
2635710	Natural	12	x			
2635730				x		
2635740						x

Note: For others materials and colours consult the specific datasheet

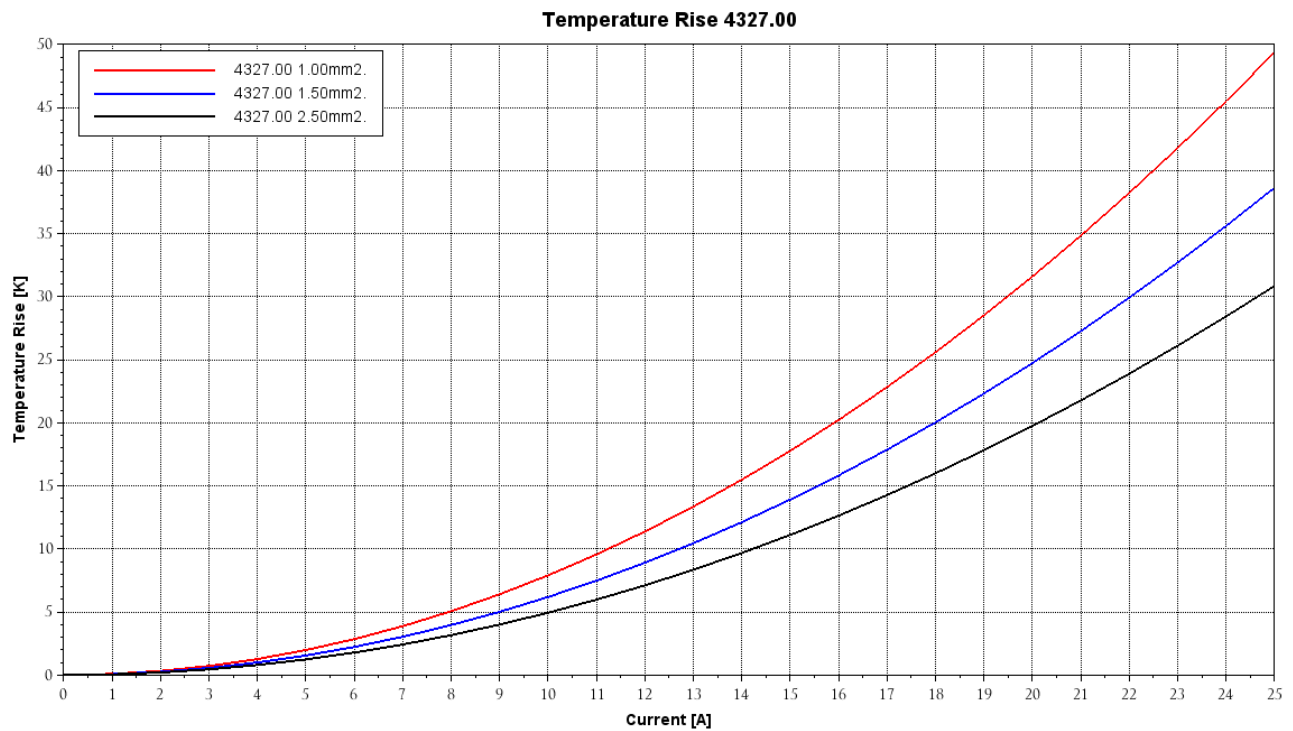
4327.00 NATURAL BRASS
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

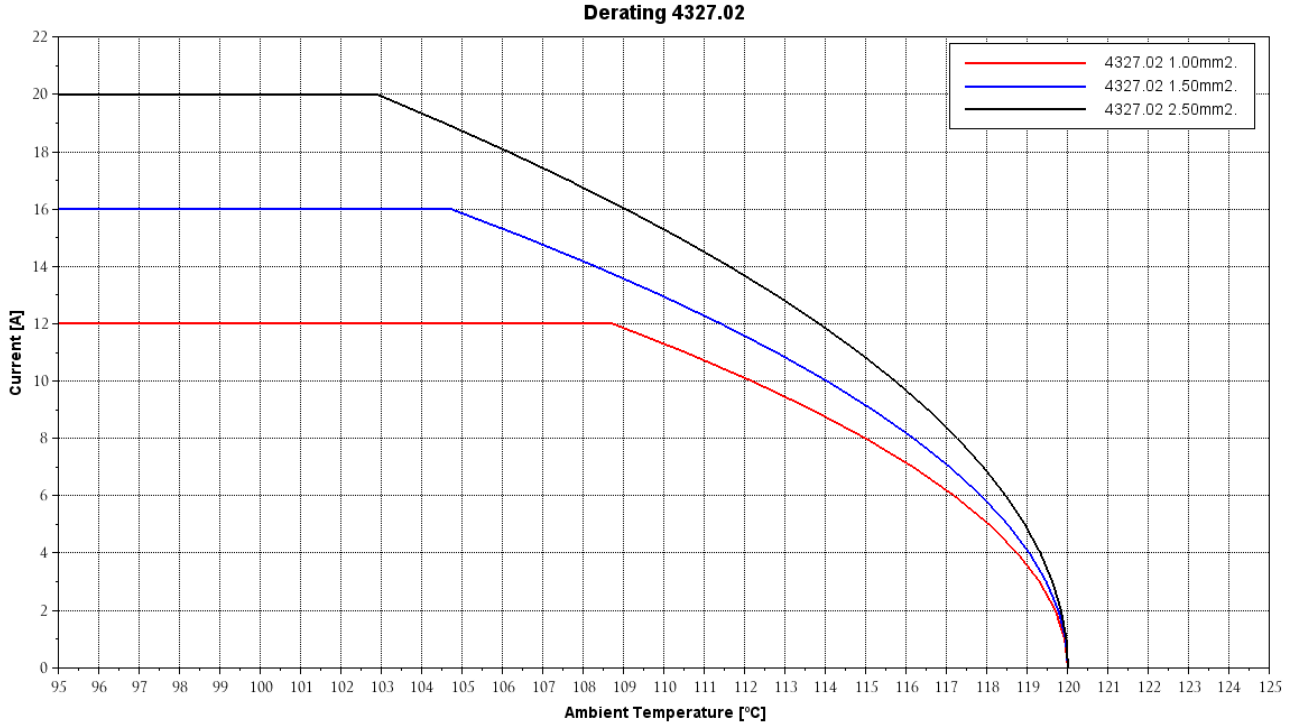


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

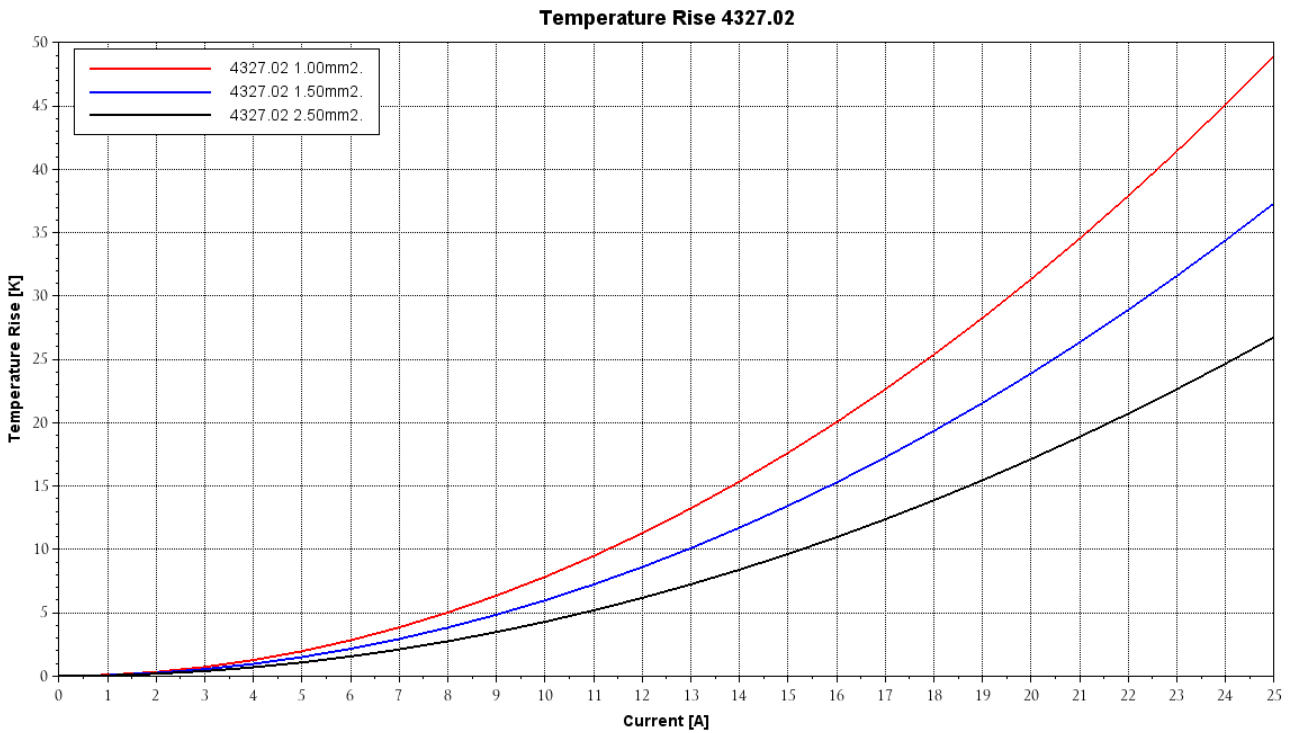
4327.02 TIN-PLATED BRASS
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

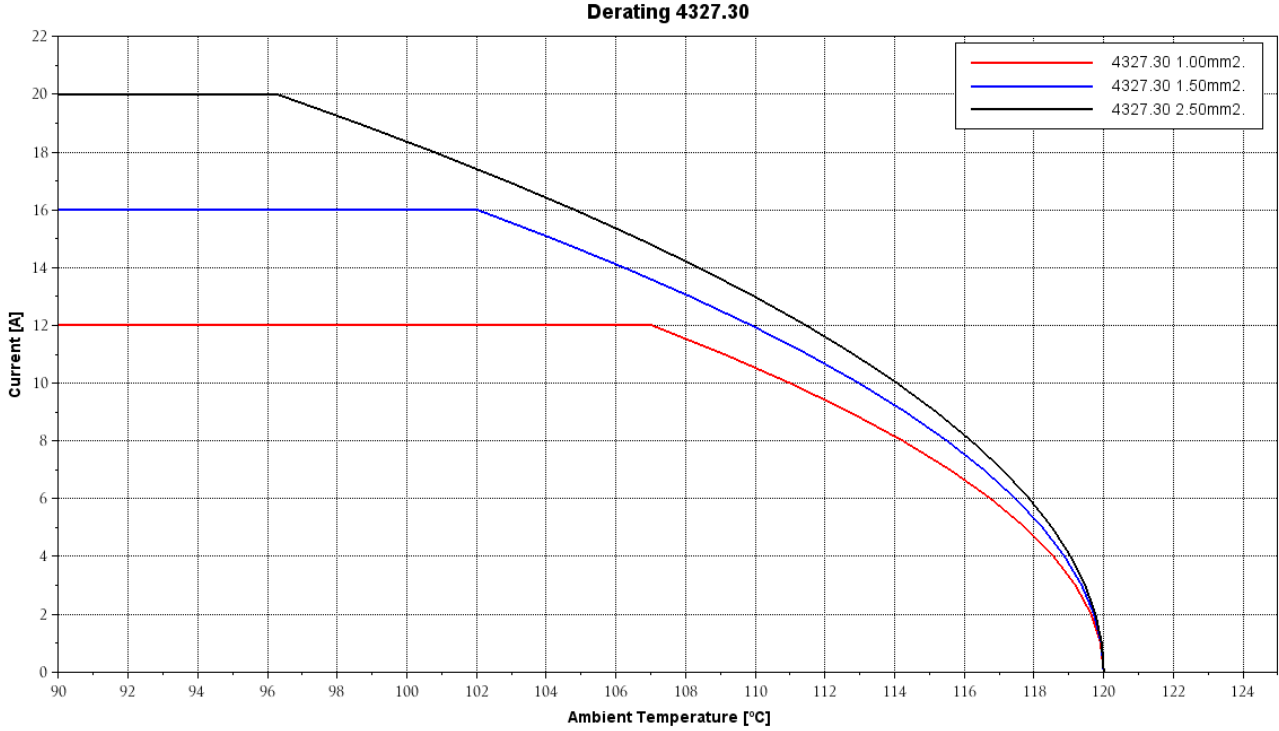


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied.

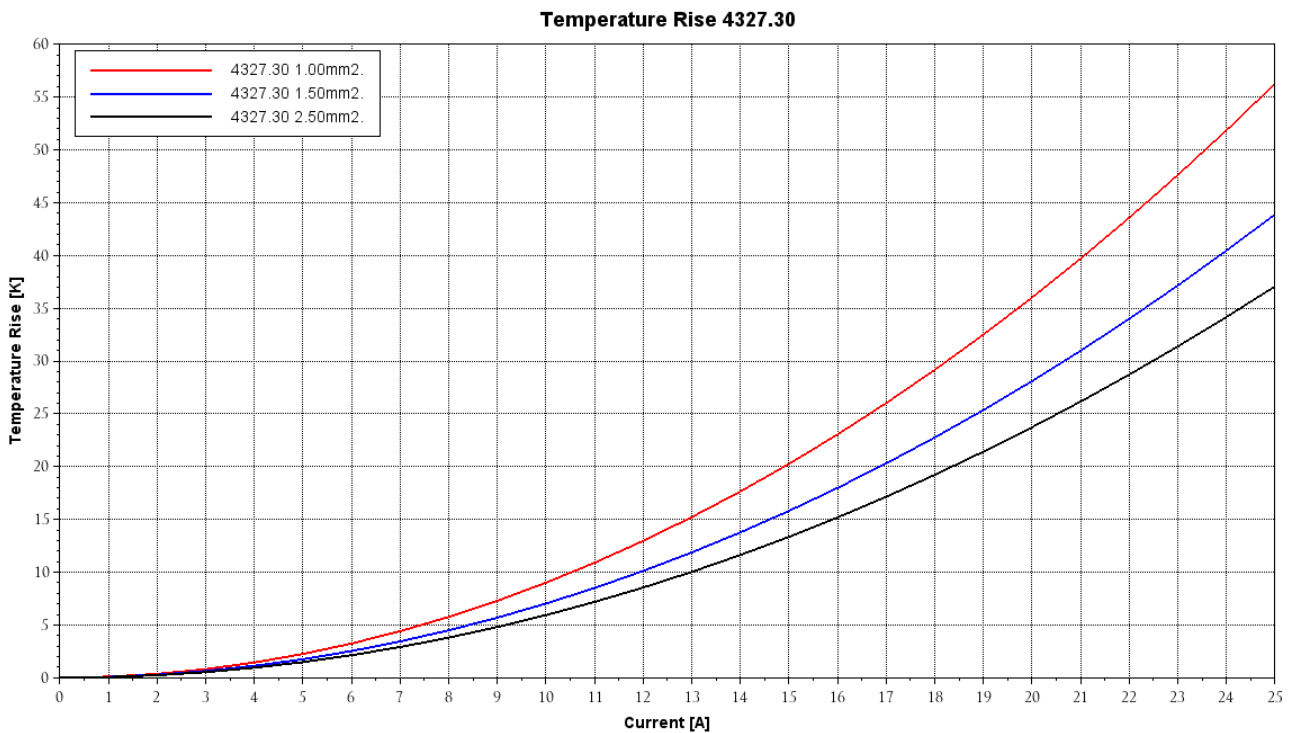
4327.30 NATURAL BRONZE
6.3 MM (.250) UP-STA TERMINALS



Derating Curve. Current carrying capacity vs. Ambient Temperature



Temperature Rise Curve Terminal Temperature rise due to the current carried

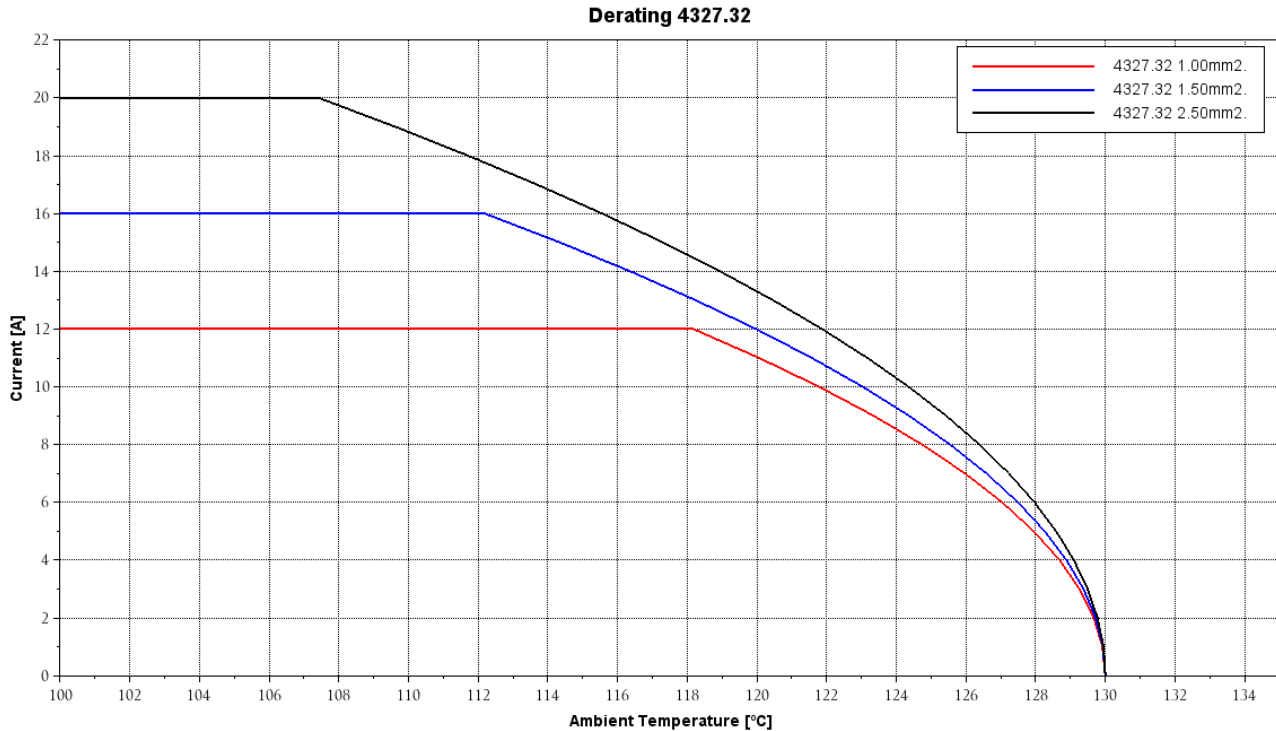


Curves show terminal behavior in a first connection, working in open air (without connector). Security margin has been applied

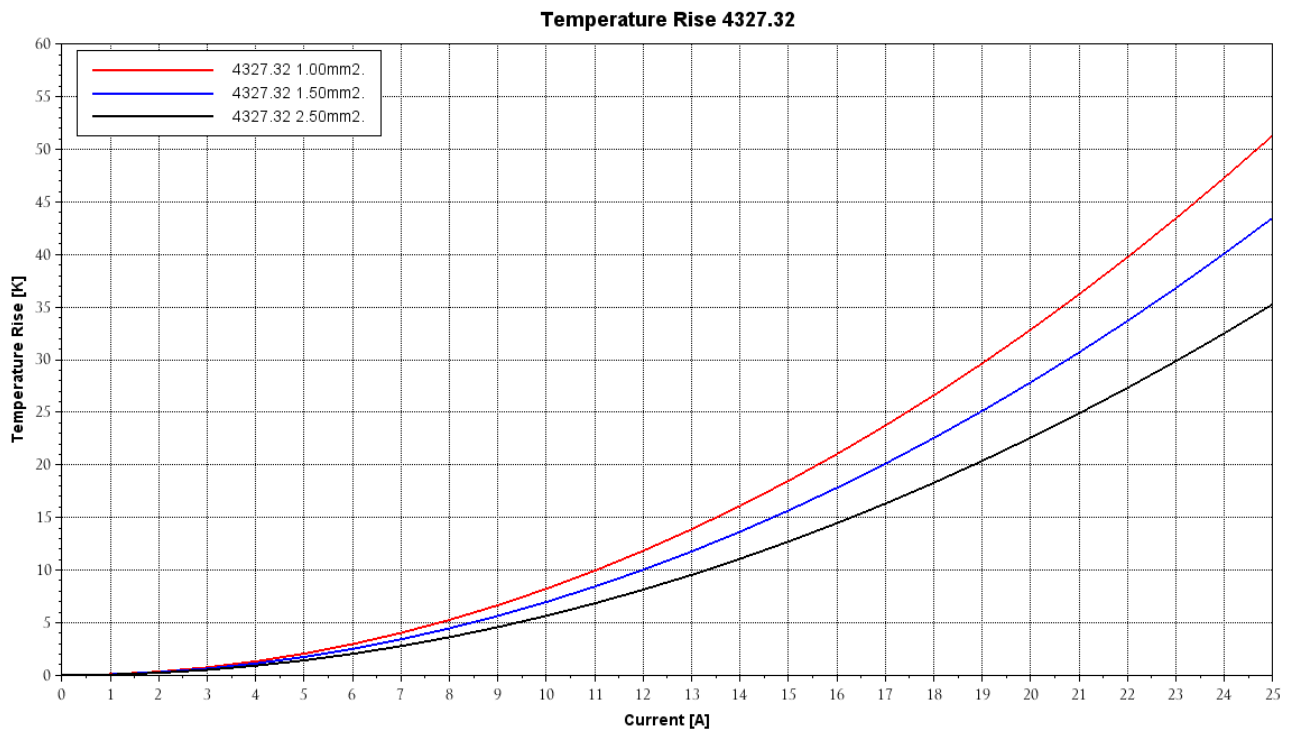
4327.32 TIN-PLATED BRONZE
6.3 MM (.250) UP-STA TERMINALS



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.

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.	Modification	Date	Created/Revised	Approved
1	Creation/Update	25/11/2013	D.Martinez	A.Calvet
2	Crimping parameters/Pull out force	30/01/2014	D.Martinez	A.Calvet
3	Update Curves	10/04/2015	D.Martinez / E.Roura	JC Sanchez