

5828.** 6.3 (.250) TYPE SERIES · FLAGS



Specification Long Flag

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1,5-3 (16-14)

Ø Insulation (mm) 2,7-4,2

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5828.00	Brass	Natural	110	0.75
5828.01	Brass	Pre-tin-plated	120	0.50
5828.24	Steel	Nickel-plated	300	1.50
5828.51	Cu. Alloy	Pre-tin-plated	150	0.50

Material thickness (mm) 0,4

Max. rated current

Wire section	5828.00 / 01 / 24 / 51
1.50 mm ²	16A
2.50 mm ²	20A
3.00 mm ²	20A

Insertion / Withdrawal forces



	5828.00	5828.01 / 24 / 51
1st Insertion (max)	35N ¹	35N ¹
1st Withdrawal (max)	60N ¹	60N ¹
1st Withdrawal (min)	27N ¹	22N ¹
6th Withdrawal (min)	22N ¹	18N ¹

¹ Valid for Natural Brass Tab

Application tool MN5828

Wire strip length 5.5 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.50 mm ²	1.72 (±0.05)	3.25 (±0.05)	(T.B.D.)	150N @ 60s
2.00 mm ²	1.85 (±0.05)	3.26 (±0.05)	(T.B.D.)	150N @ 60s
2.50 mm ²	1.97 (±0.05)	3.29 (±0.05)	(T.B.D.)	230N @ 60s
3.00 mm ²	2.10 (±0.05)	3.30 (±0.05)	(T.B.D.)	-

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.

Winding number 2100

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5828.00	UL	UL 310	E211727	AWG 16-14 (26-41 Stranded Cu) / MN5828
5828.01	UL	UL 310	E211727	AWG 16-14 (26-41 Stranded Cu) / MN5828
5828.51	UL	UL 310	E211727	AWG 16-14 (26-41 Stranded Cu) / MN5828

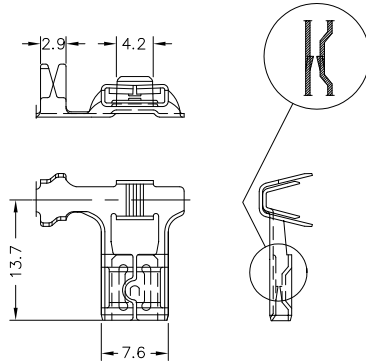
Approvals



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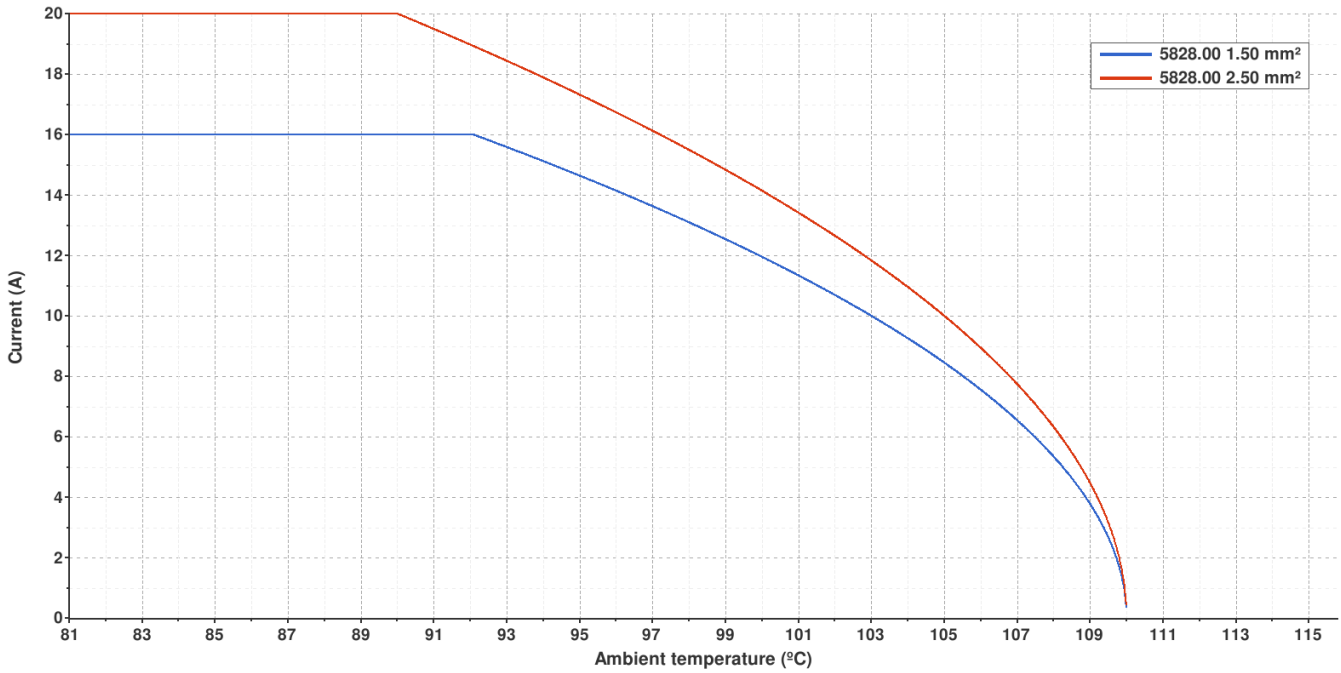
Drawing



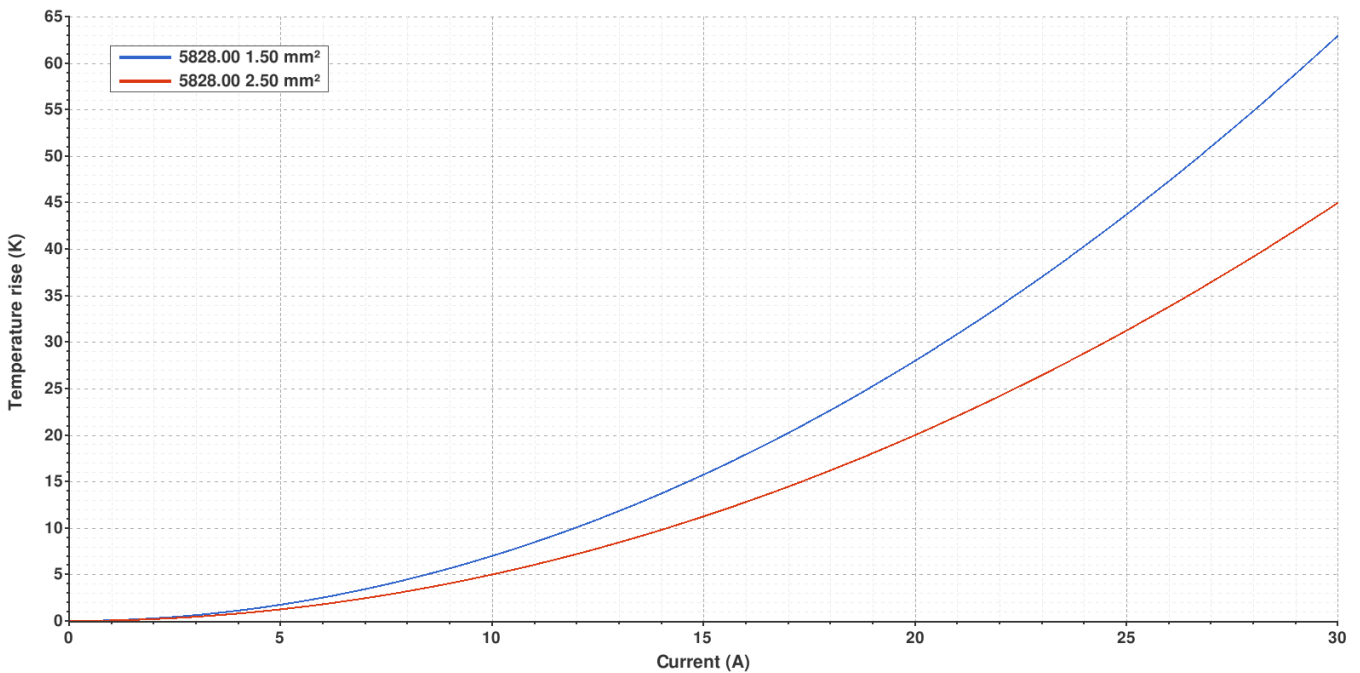
5828.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

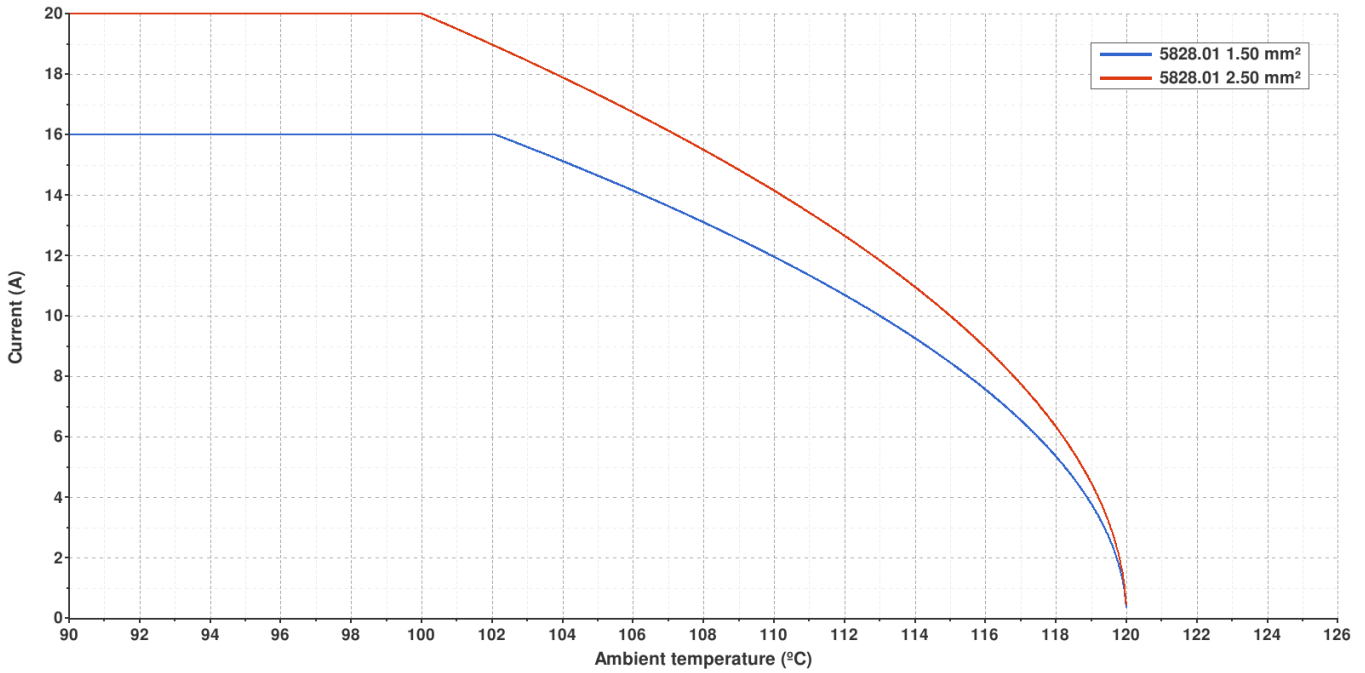


Valid for Natural Brass Tab

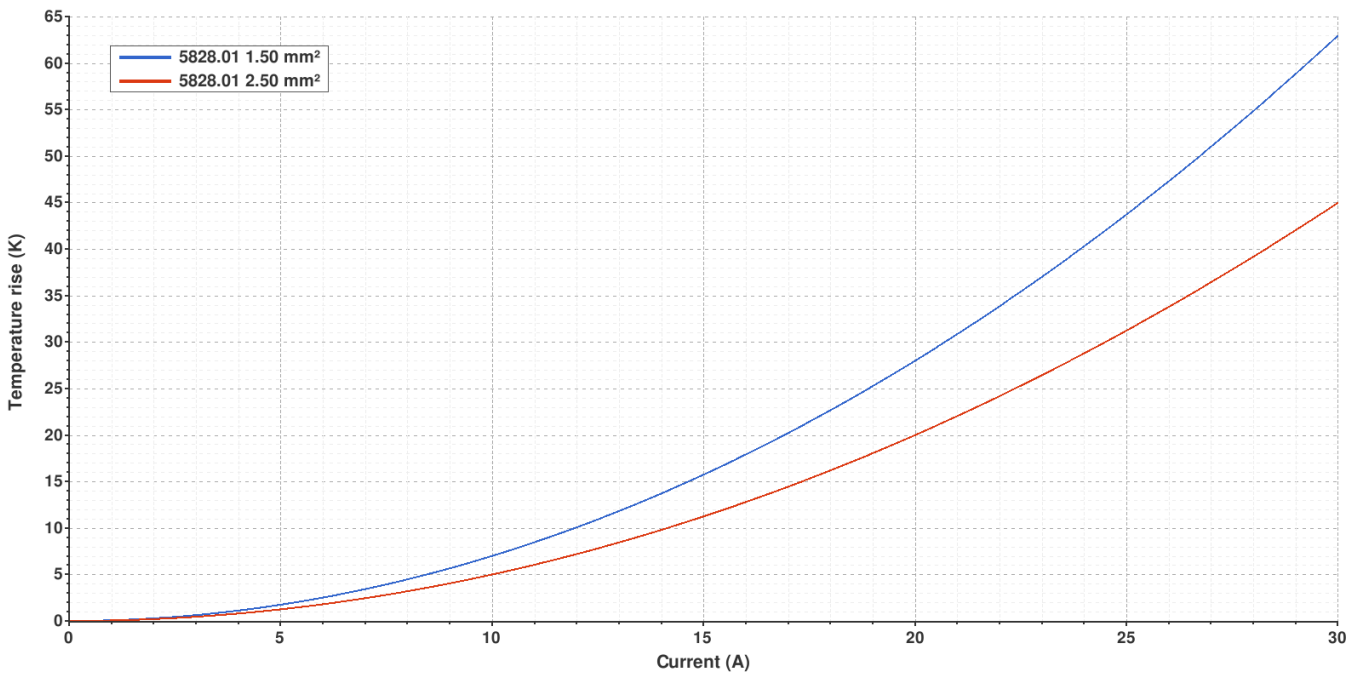
5828.01 PRE-TIN-PLATED BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

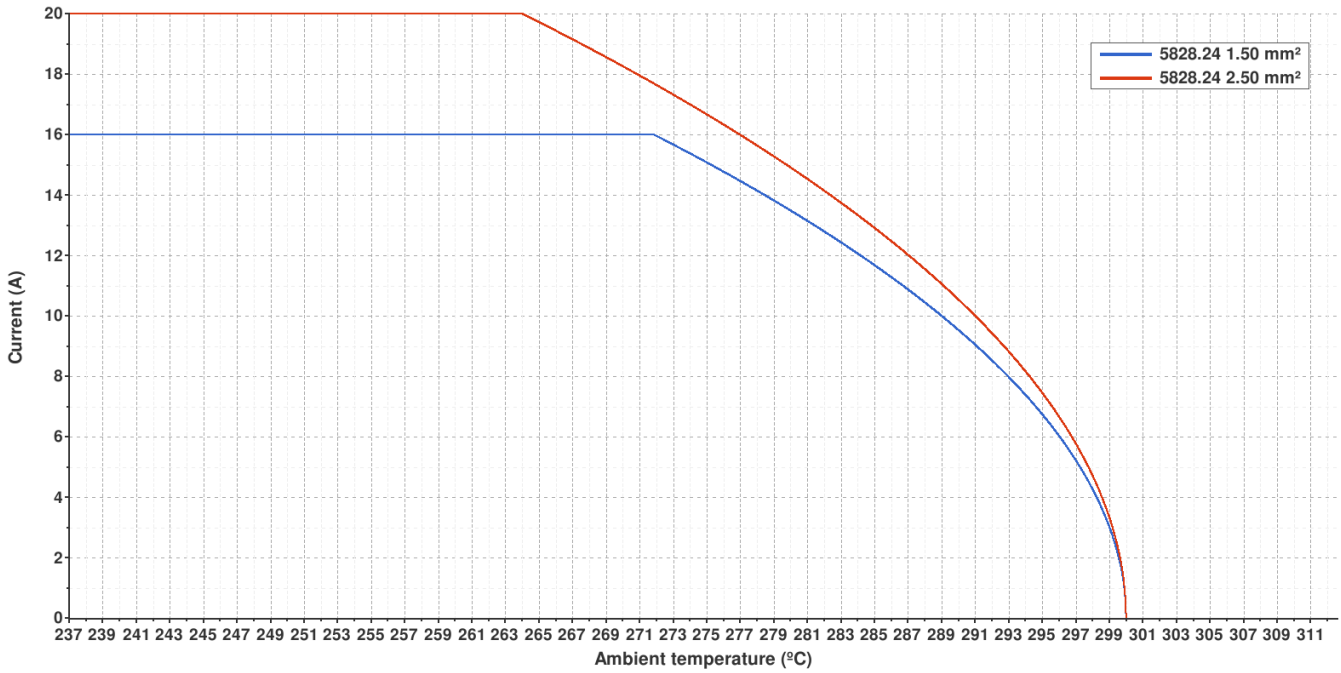


Valid for Natural Brass Tab

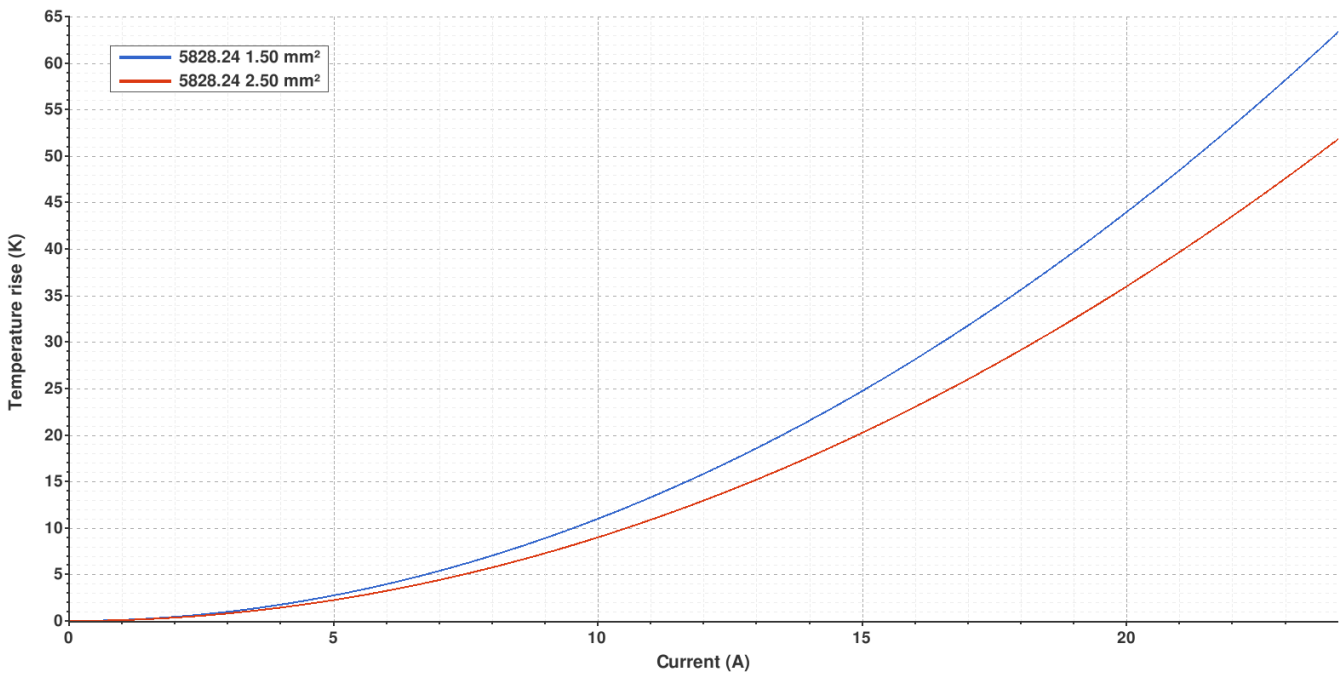
5828.24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

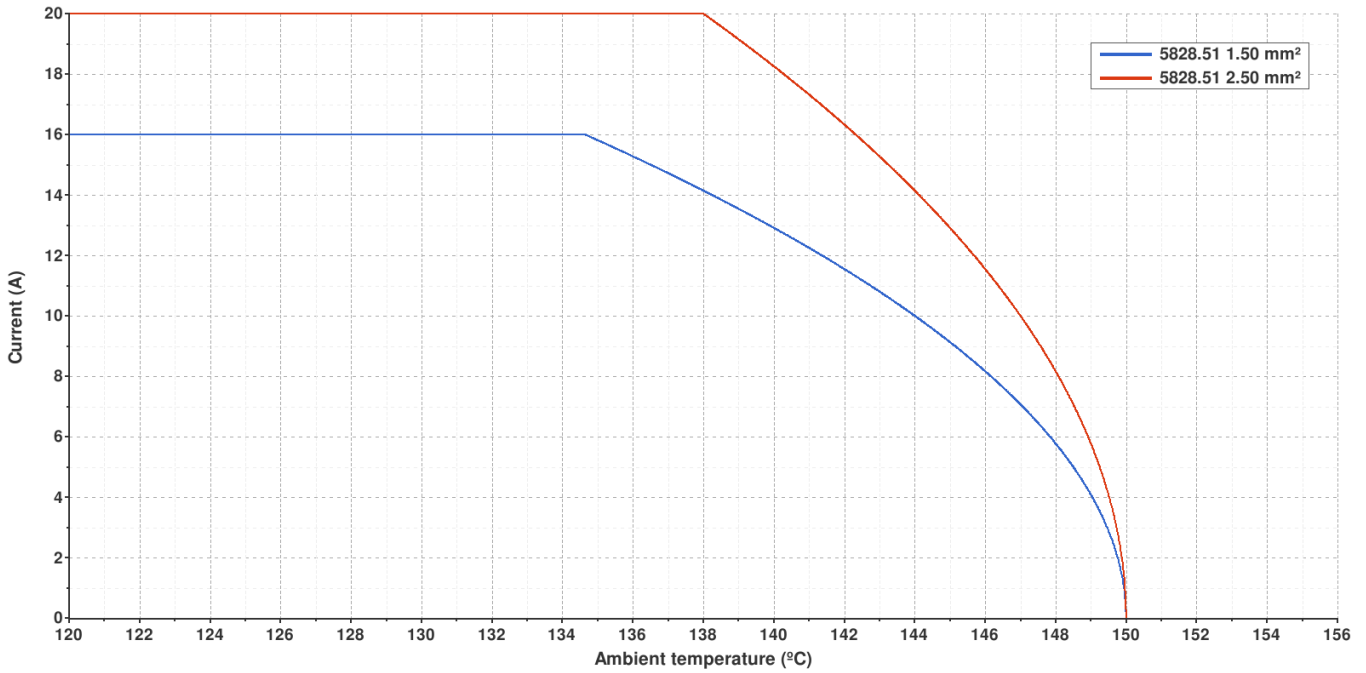


Valid for Natural Brass Tab

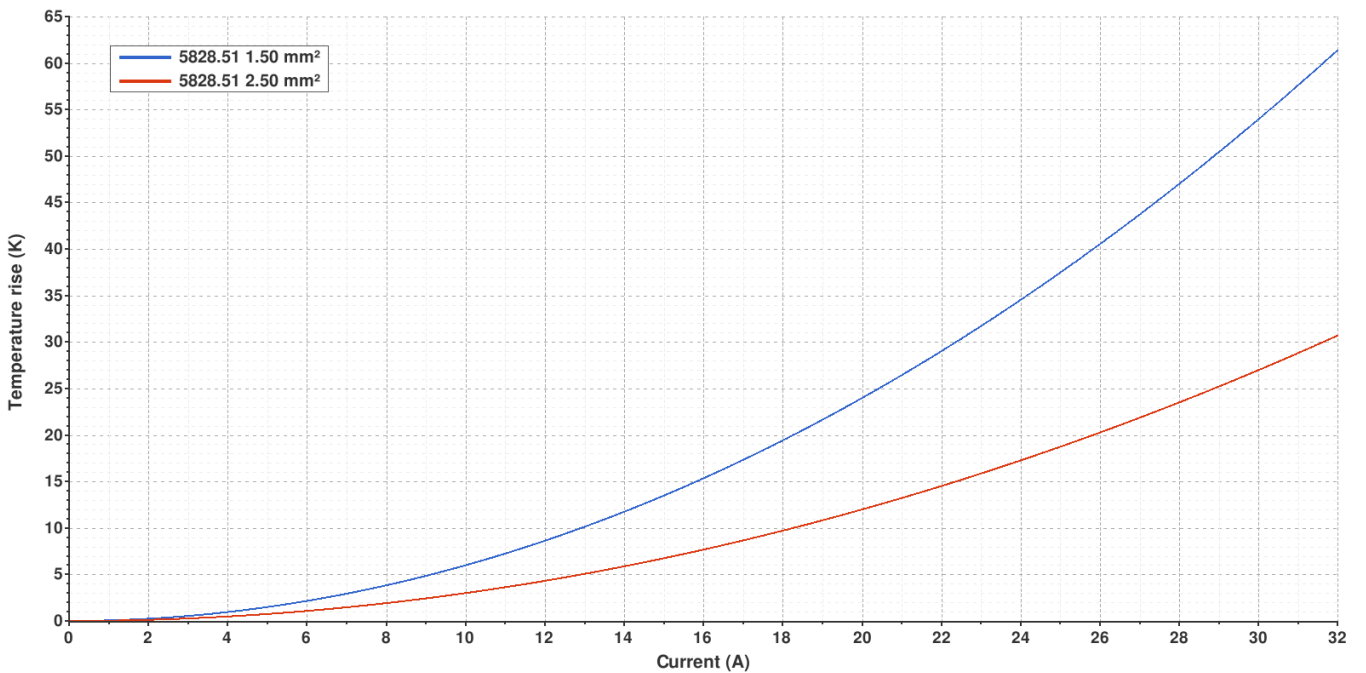
5828.51 PRE-TIN-PLATED CU. ALLOY
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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(T.B.D.): To be determined

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A4	Update crimp specifications	2024-10-09	E. Roura (laboratory dept.)	D. Yabar (engineering dept.)
A3	Update insertion and withdrawal forces	2021-11-12	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)
A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-01-18	Laboratory Dept.	E. Roura

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