5822.**
6.3 (.250) TYPE SERIES · FLAGS

Specification Low insertion

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 2,7-3,8

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)
5822.00	Brass	Natural	110
5822.01	Brass	Pre-tin-plated	120
5822.24	Steel	Nickel-plated	300
5822.30	Bronze	Natural	120
5822.31	Bronze	Pre-tin-plated	130
5822.70	German Silver	Natural	210

Material thickness (mm) 0,4

Max. rated current

Wire section	5822.00 / 01 / 24 / 30 / 31 / 70
1.00 mm²	12A
1.50 mm²	16A
2.50 mm²	20A

Insertion / Withdrawal forces

	5822.00 / 01 / 24 / 30 / 31 / 70
1st Insertion (max)	35N[1]
1st Withdrawal (max)	60N[1]
1st Withdrawal (min)	30N[1]
6th Withdrawal (min)	22N[1]

[1] Valid for Natural Brass Tab

Application tool MN5822

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm²	1.65 (±0.05)	3.05 (±0.05)	4.01 (±0.10)	108N @ 60s
1.50 mm²	1.75 (±0.05)	3.07 (±0.05)	4.03 (±0.10)	150N @ 60s
2.00 mm²	1.85 (±0.05)	3.10 (±0.05)	4.05 (±0.10)	150N @ 60s
2.50 mm²	1.95 (±0.05)	3.13 (±0.05)	4.05 (±0.10)	230N @ 60s

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 3000

Compatible connectors 26333**, 26336**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5822.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5822
5822.01	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5822
5822.24	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5822

5822.**

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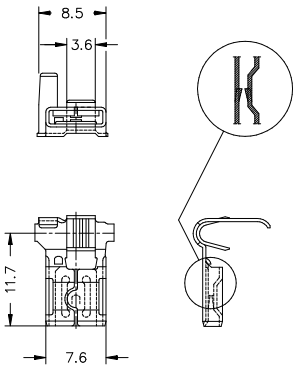
Approvals

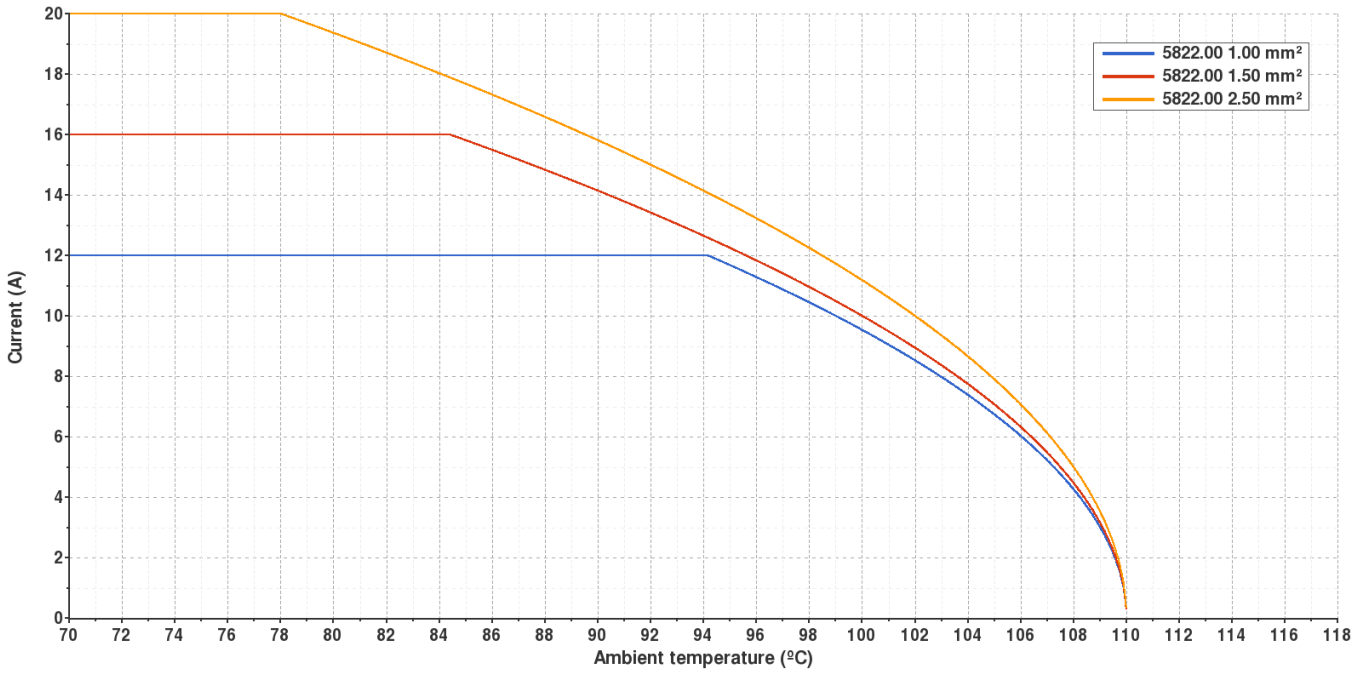
Drawing



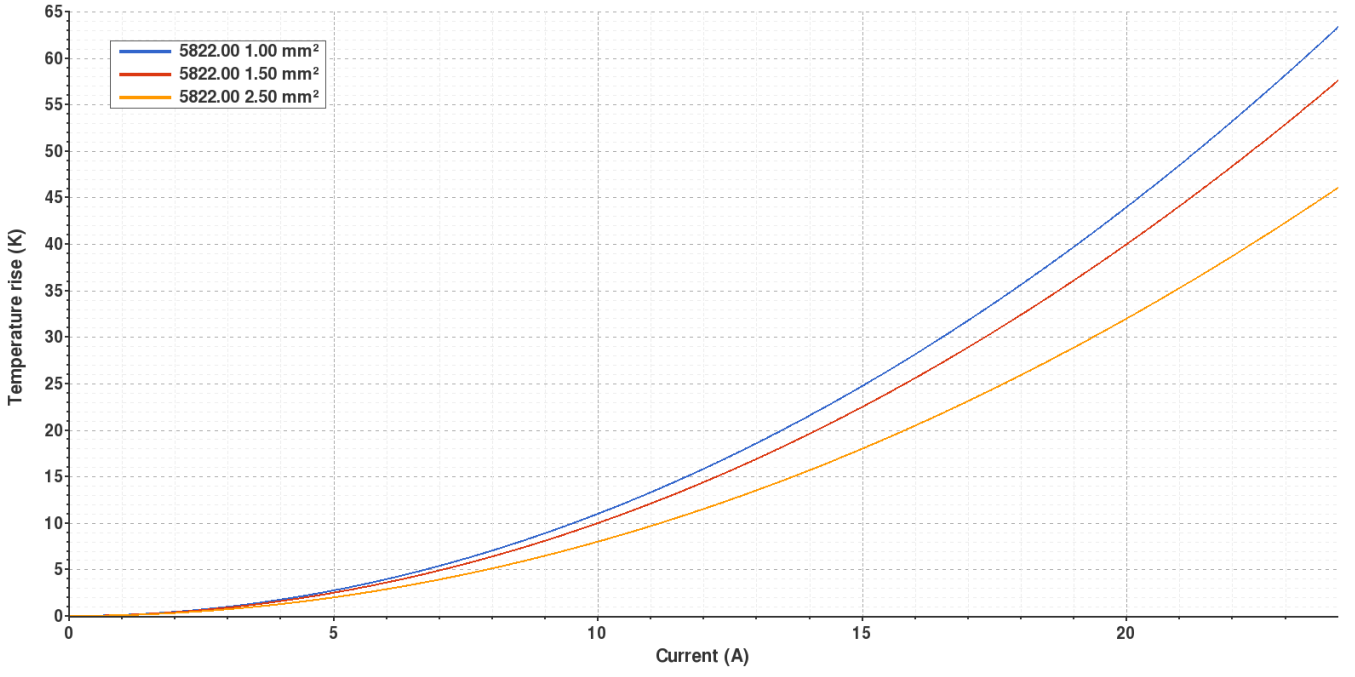
5822.00 NATURAL BRASS

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

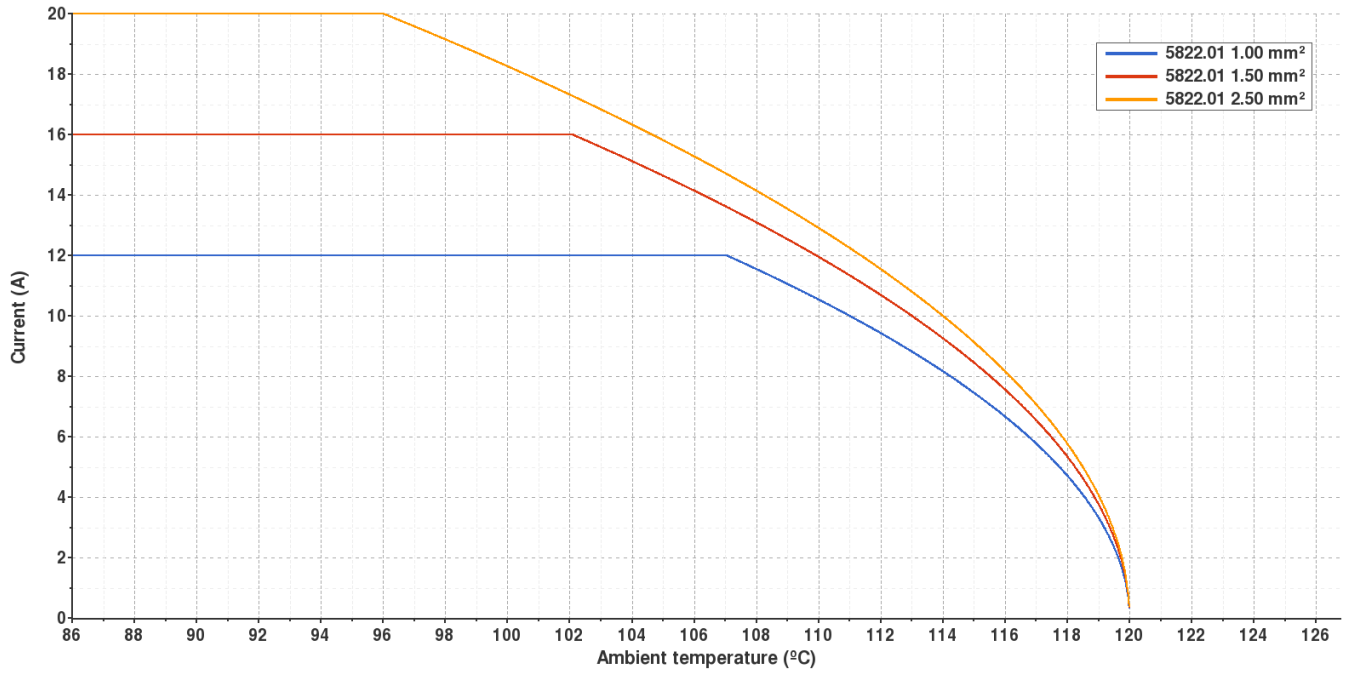


Valid for Natural Brass Tab

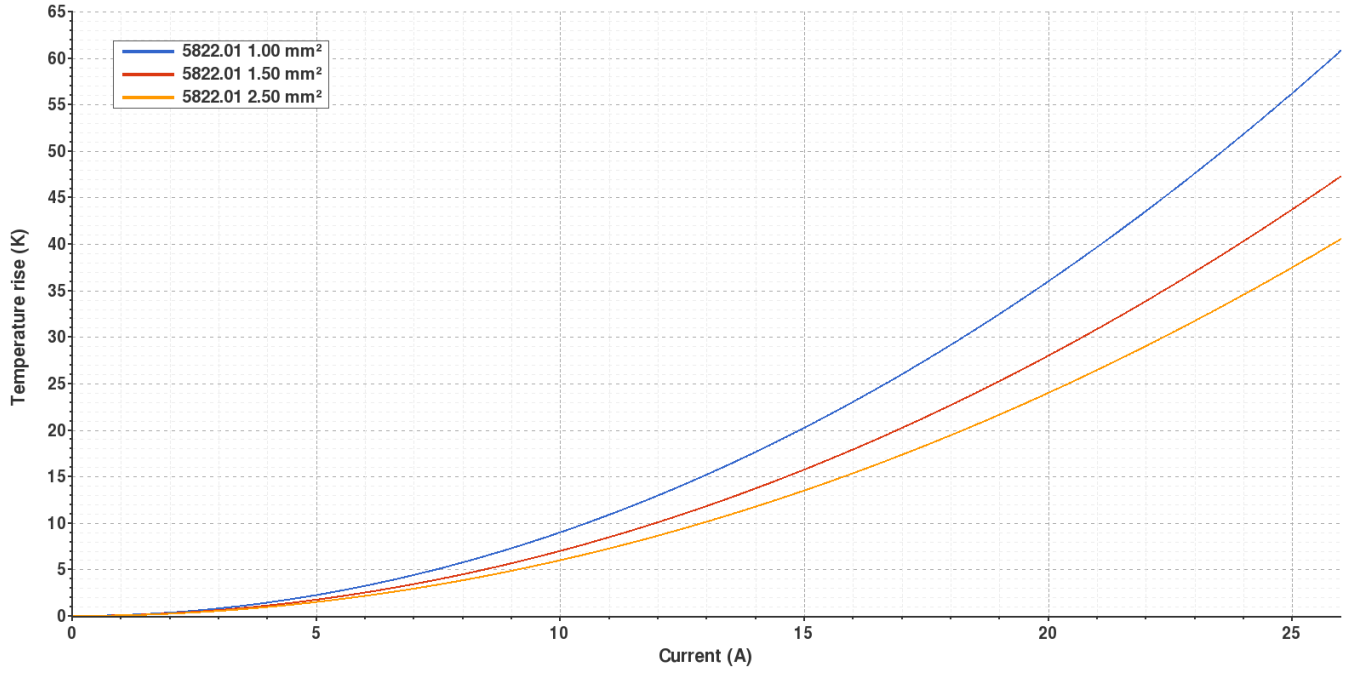
5822.01 PRE-TIN-PLATED BRASS

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

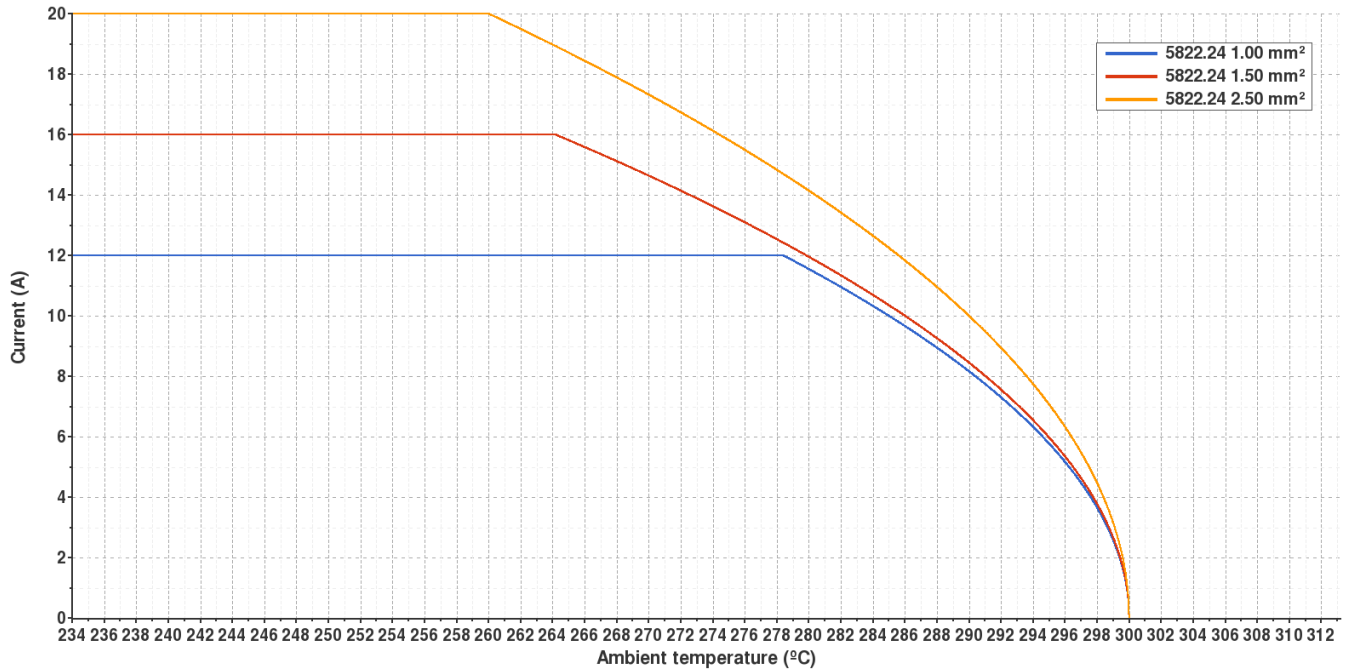


Valid for Natural Brass Tab

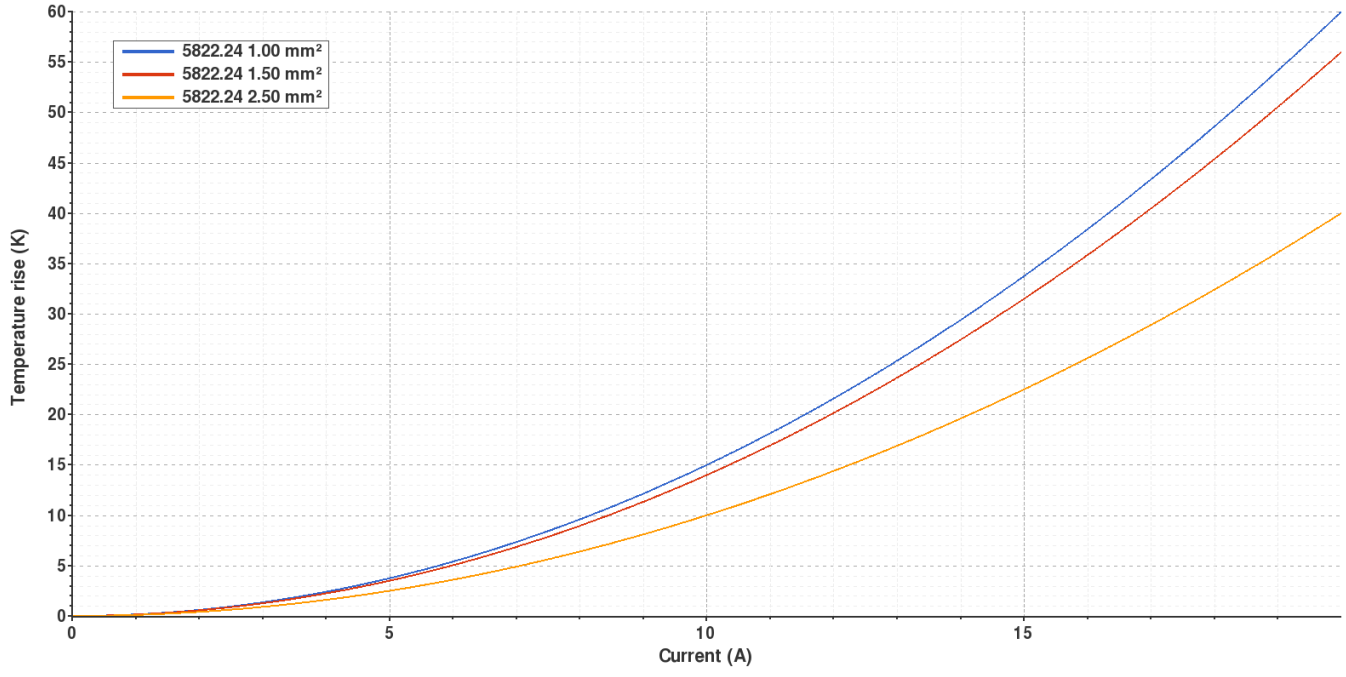
5822.24 NICKEL-PLATED STEEL

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

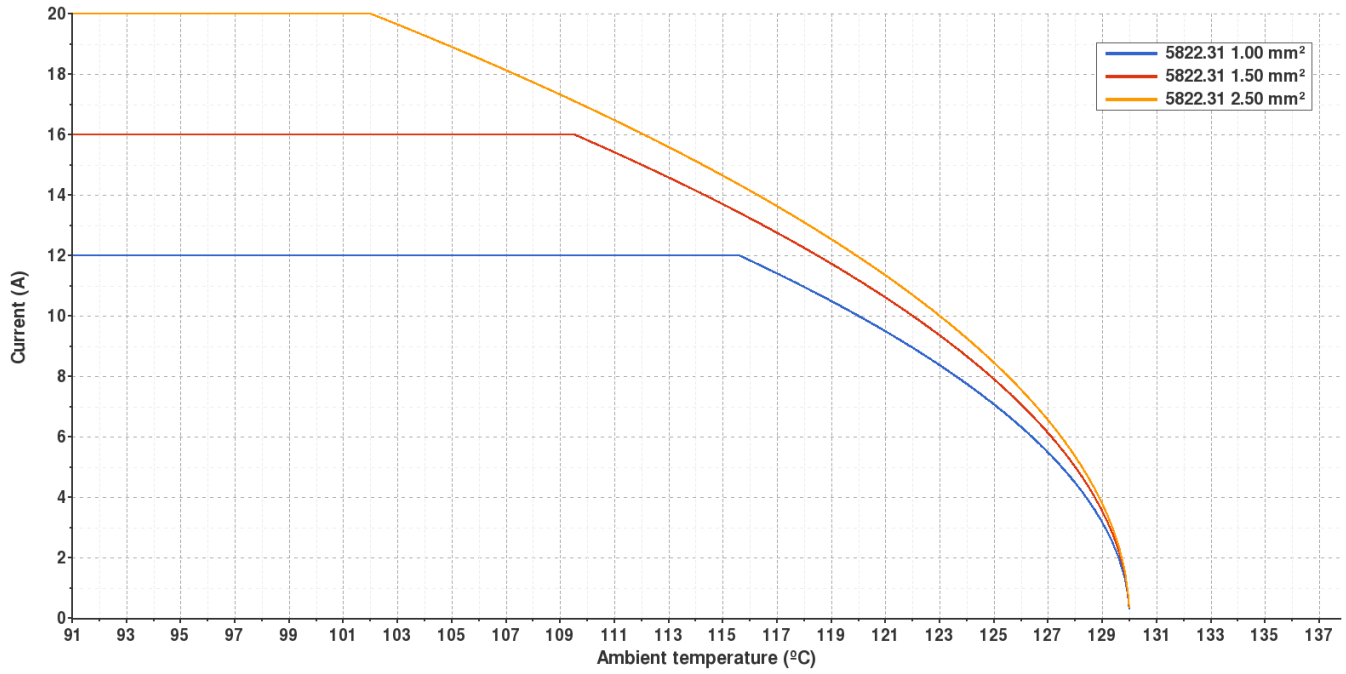


Valid for Natural Brass Tab

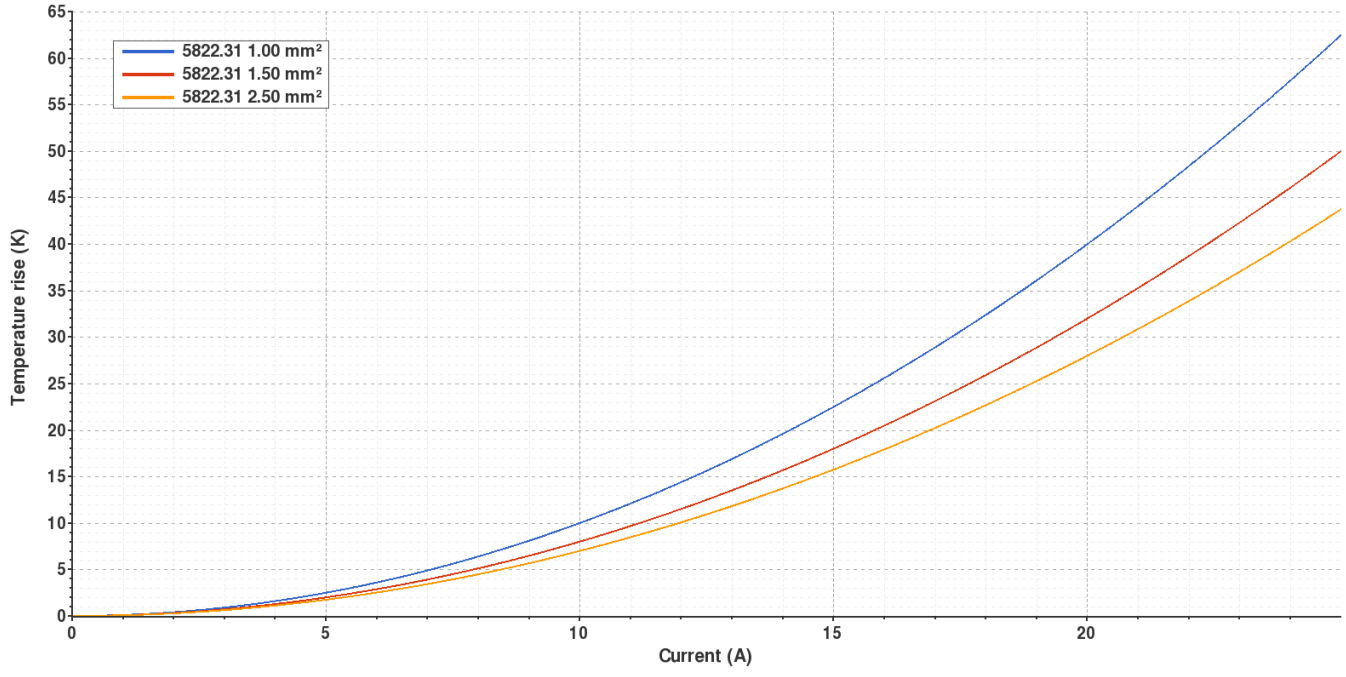
5822.31 PRE-TIN-PLATED BRONZE

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

5822.**

6.3 (.250) TYPE SERIES · FLAGS

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Update current de-rating and temperature rise curves	2019-11-22	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-07-23	Laboratory Dept.	E. Roura

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