

5422.**

6.3 (.250) TYPE SERIES · FLAGS



Specification Standard Terminals

Typology Long Flag

For male (mm) 6,3x0,8

Din 43346

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 3-4,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
5422.00	Brass	Natural	110
5422.02	Brass	Tin plated	120
5422.30	Bronze	Natural	120
5422.32	Bronze	Tin plated	130

Material thickness (mm) 0,4

Max. rated current

Wire section	5422.00 / 02 / 30 / 32
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A

Insertion / Withdrawal forces


	5422.00	5422.02 / 32
1st Insertion (max)	60N ¹	60N 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

MN5422

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)		
1.00 mm ²	1.55 (±0.05)	2.86 (±0.05)	4.05 (±0.10)	108N @ 60s
1.50 mm ²	1.67 (±0.05)	2.88 (±0.05)	4.05 (±0.10)	150N @ 60s
2.00 mm ²	1.80 (±0.05)	2.90 (±0.05)	4.05 (±0.10)	150N @ 60s
2.50 mm ²	1.95 (±0.05)	2.90 (±0.05)	4.10 (±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 4000

Compatible connectors 12.88**, 26330**, 26331**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5422.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5422
5422.02	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5422

5422.**

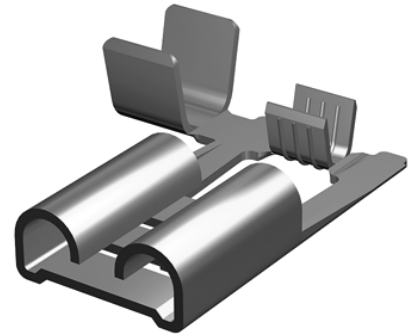
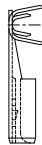
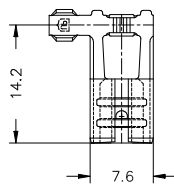
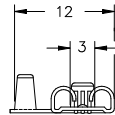
6.3 (.250) TYPE SERIES · FLAGS



Approvals



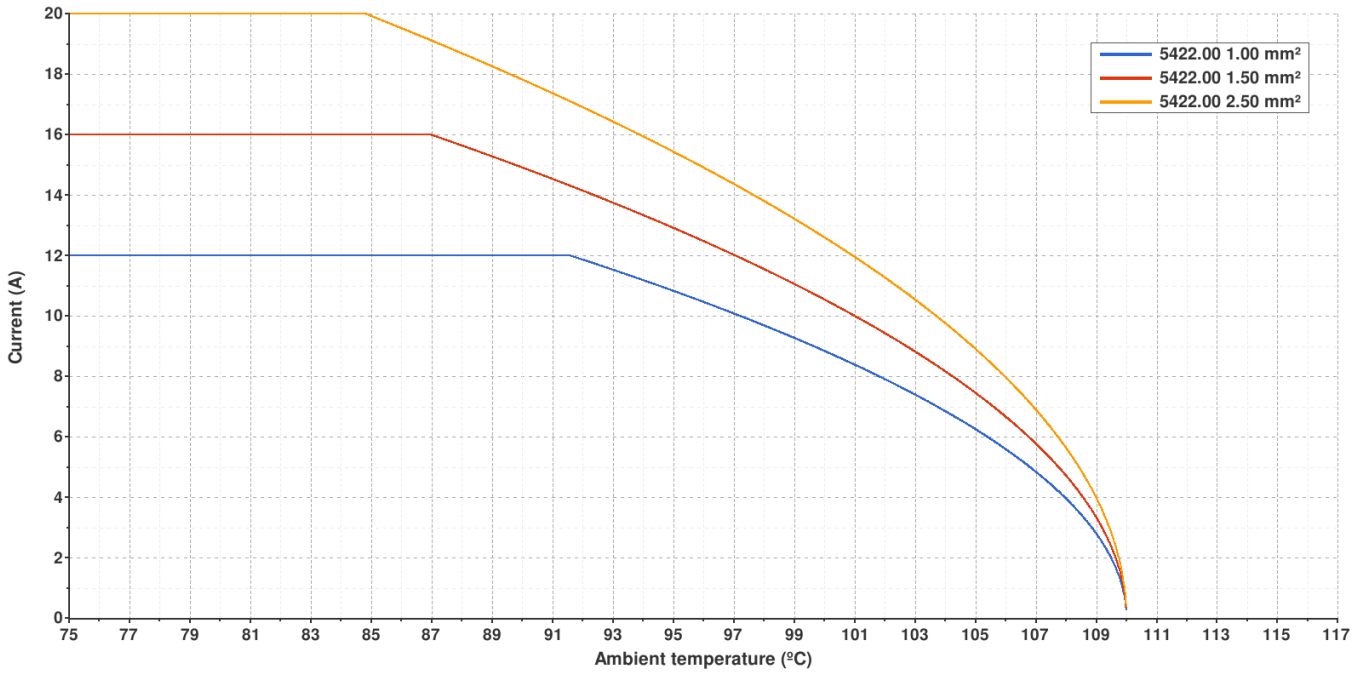
Drawing



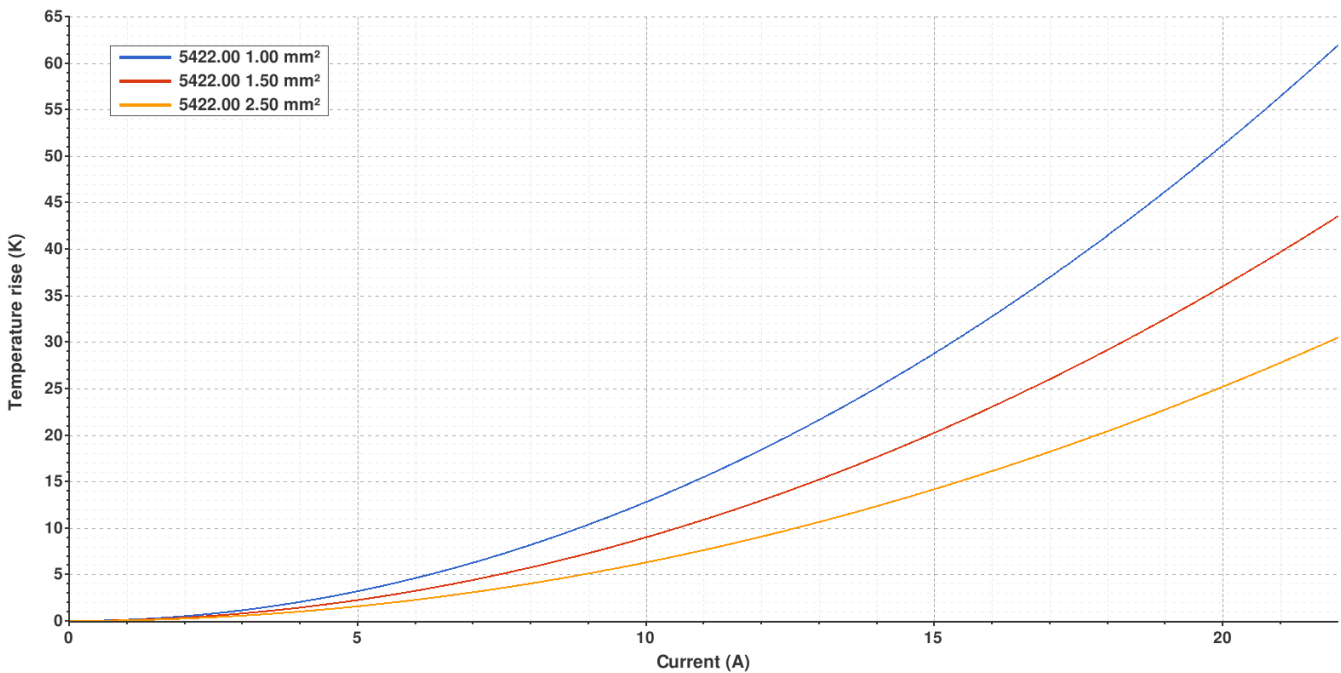
5422.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

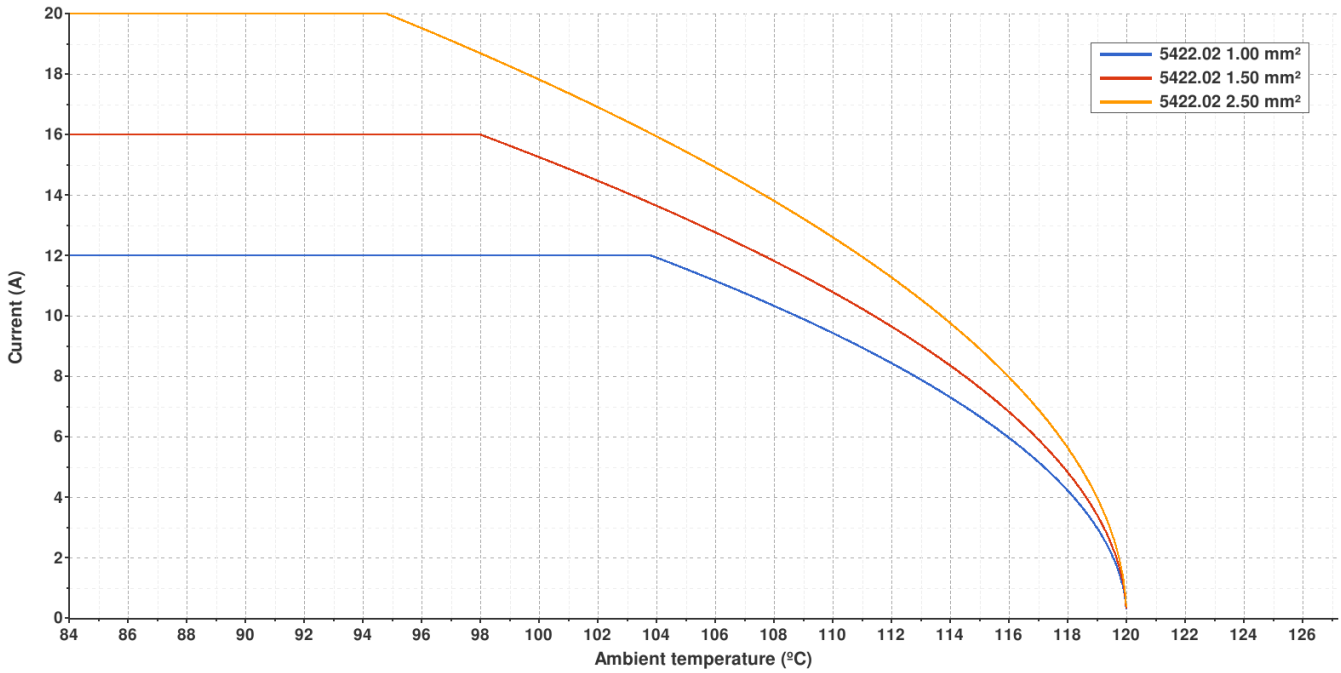


Valid for Natural Brass Tab

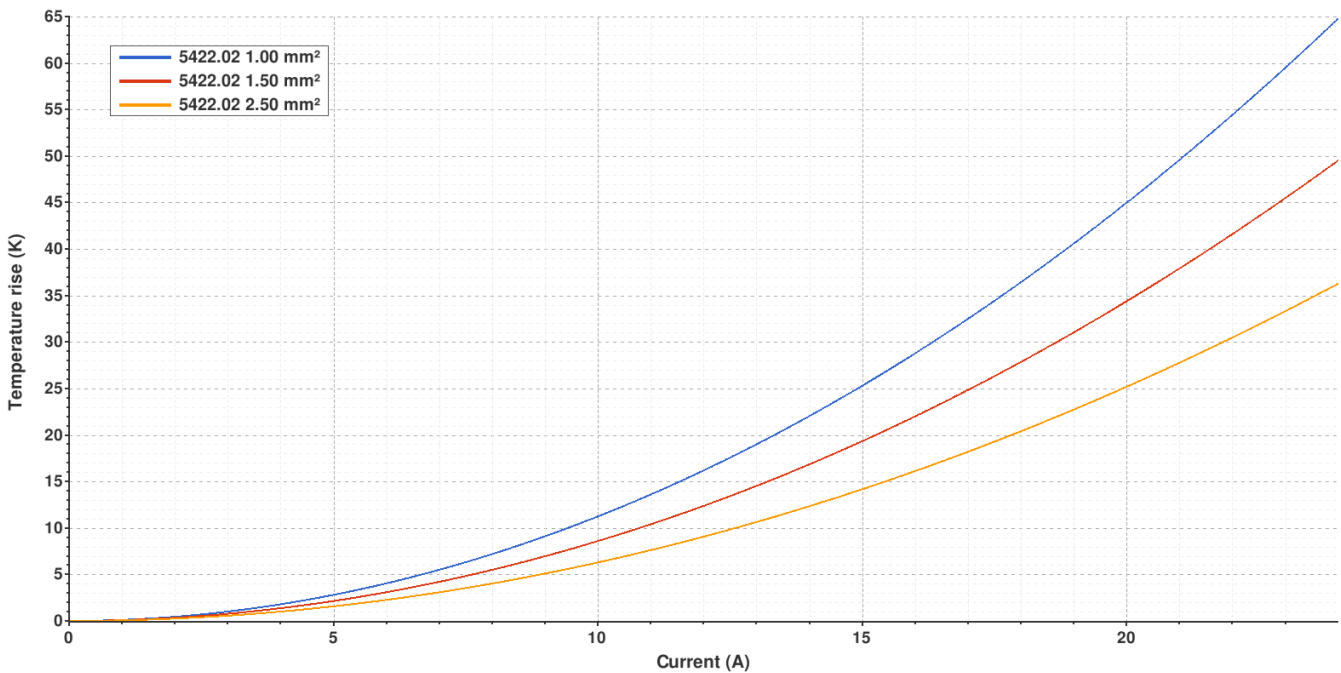
5422.02 TIN PLATED BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

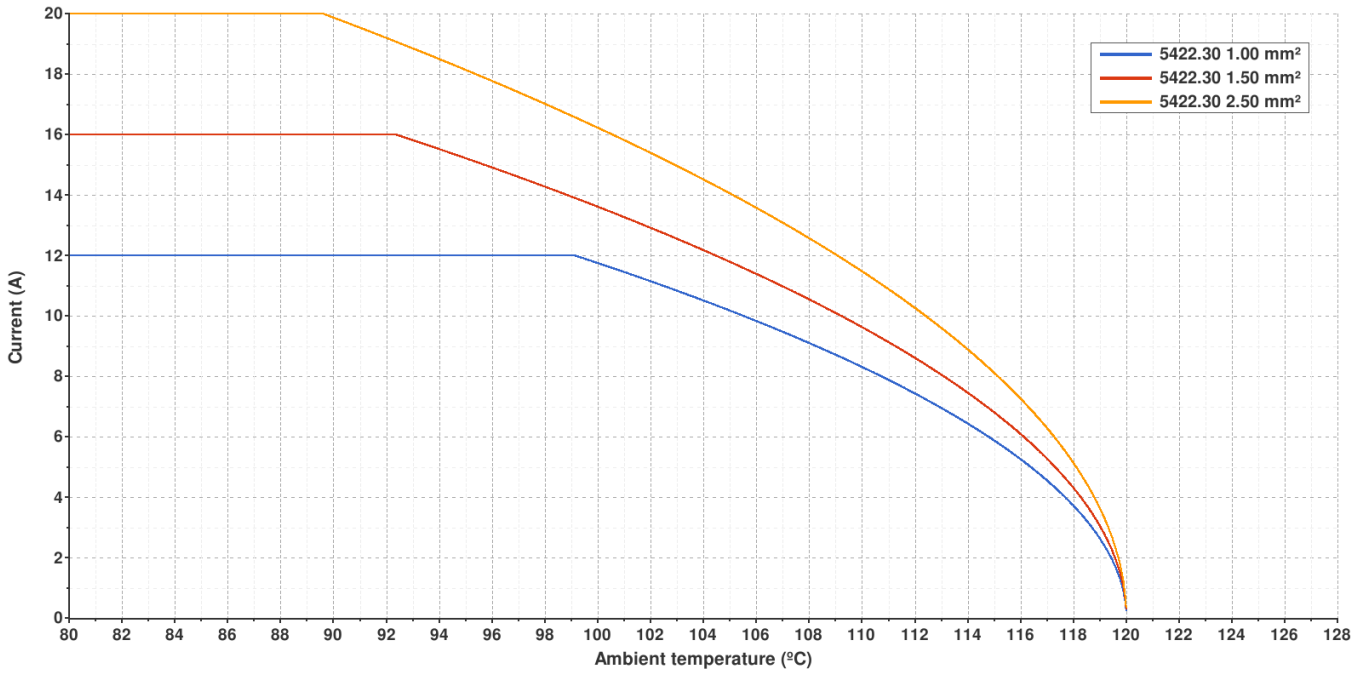


Valid for Natural Brass Tab

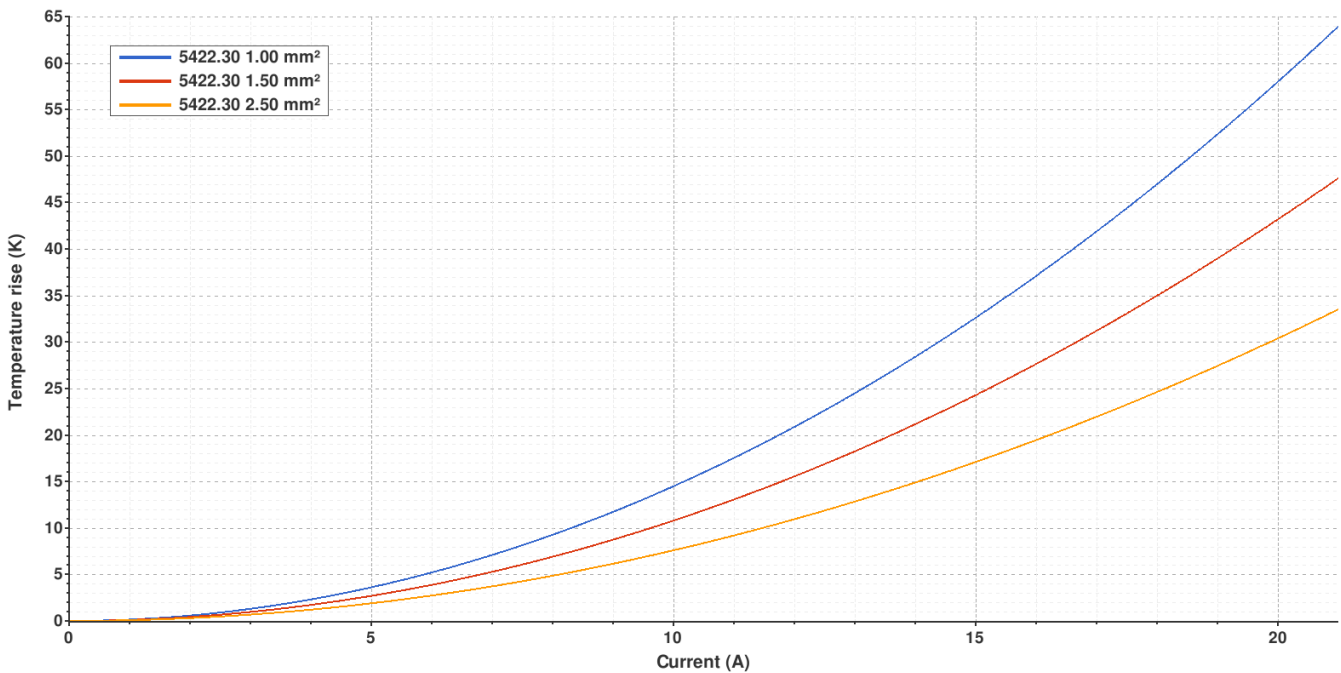
5422.30 NATURAL BRONZE
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Update de-rating and temp. rise curves	2023-03-31	Laboratory Dept.	E. Roura (Laboratory Dept.)
A1	Datasheet generated automatically [A1]	2021-11-12	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)

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