



5420.**
6.3 (.250) TYPE SERIES · FLAGS



Specification	Standard Terminals
For male (mm)	6,3x0,8
Din	43346
Wire size mm² (AWG)	0,5-1 (20-18)
Ø Insulation (mm)	1,8-2,5

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5420.00	Brass	Natural	110	0.75
5420.02	Brass	Tin plated	120	0.75
5420.24	Steel	Nickel-plated	300	(T.B.D.)
5420.30	Bronze	Natural	120	1.00
5420.32	Bronze	Tin plated	130	1.00
5420.33	Bronze	Silver-plated	150	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	5420.00 / 02 / 24 / 30 / 32 / 33
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A

Insertion / Withdrawal forces


	5420.00 / 24 / 30	5420.02 / 32
1st Insertion (max)	60N ¹	80N ¹
1st Withdrawal (max)	60N ¹	80N ¹
10th Withdrawal (min)	18N ¹	13N ¹

¹ Valid for Natural Brass Tab

Application tool MN5420

Wire strip length 5.0 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm ²	1.25 (±0.03)	2.36 (±0.03)	3.42 (±0.10)	56N @ 60s
0.75 mm ²	1.35 (±0.05)	2.37 (±0.05)	3.42 (±0.10)	84N @ 60s
1.00 mm ²	1.45 (±0.05)	2.38 (±0.05)	3.43 (±0.10)	108N @ 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 5000

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

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5420.00	UL	UL 310	E211727	AWG 20-20 (10-10 Stranded Cu) / MN5420
5420.02	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5420
5420.24	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5420



5420.**

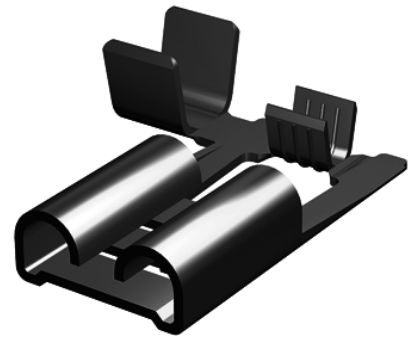
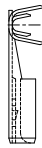
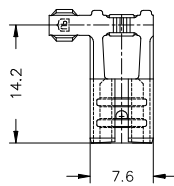
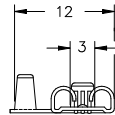
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Approvals



Drawing



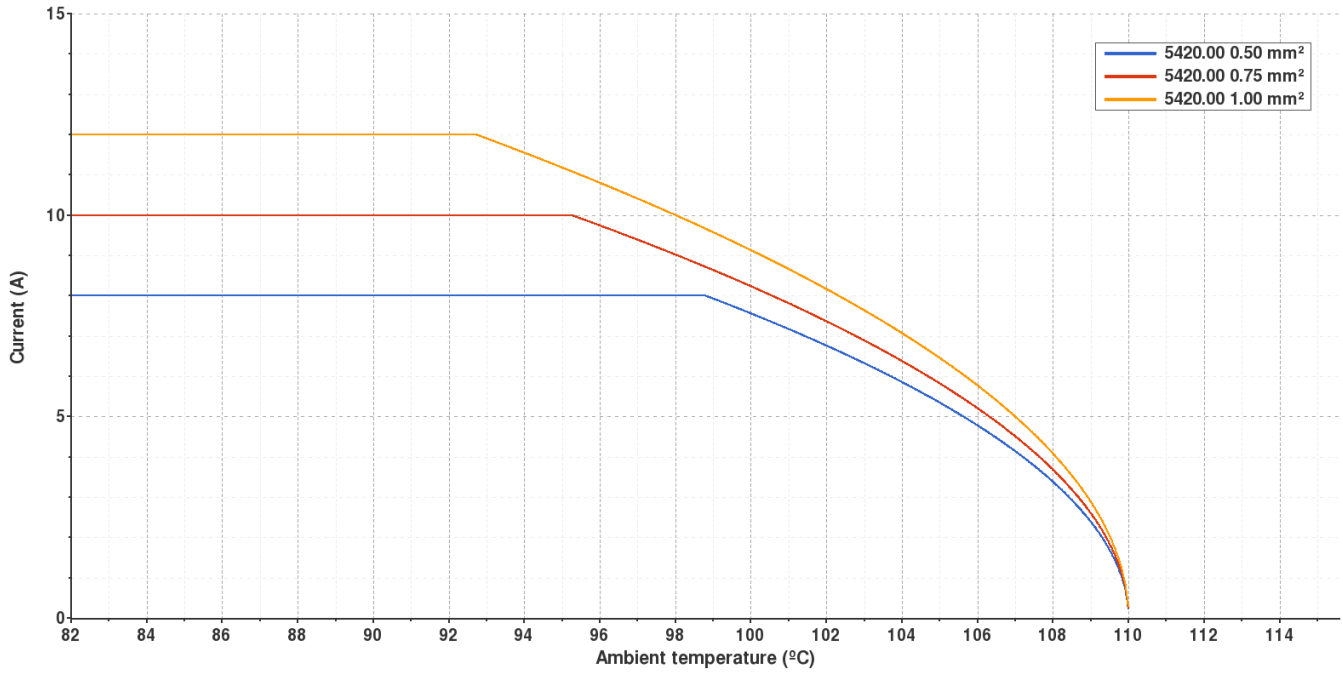


5420.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · FLAGS



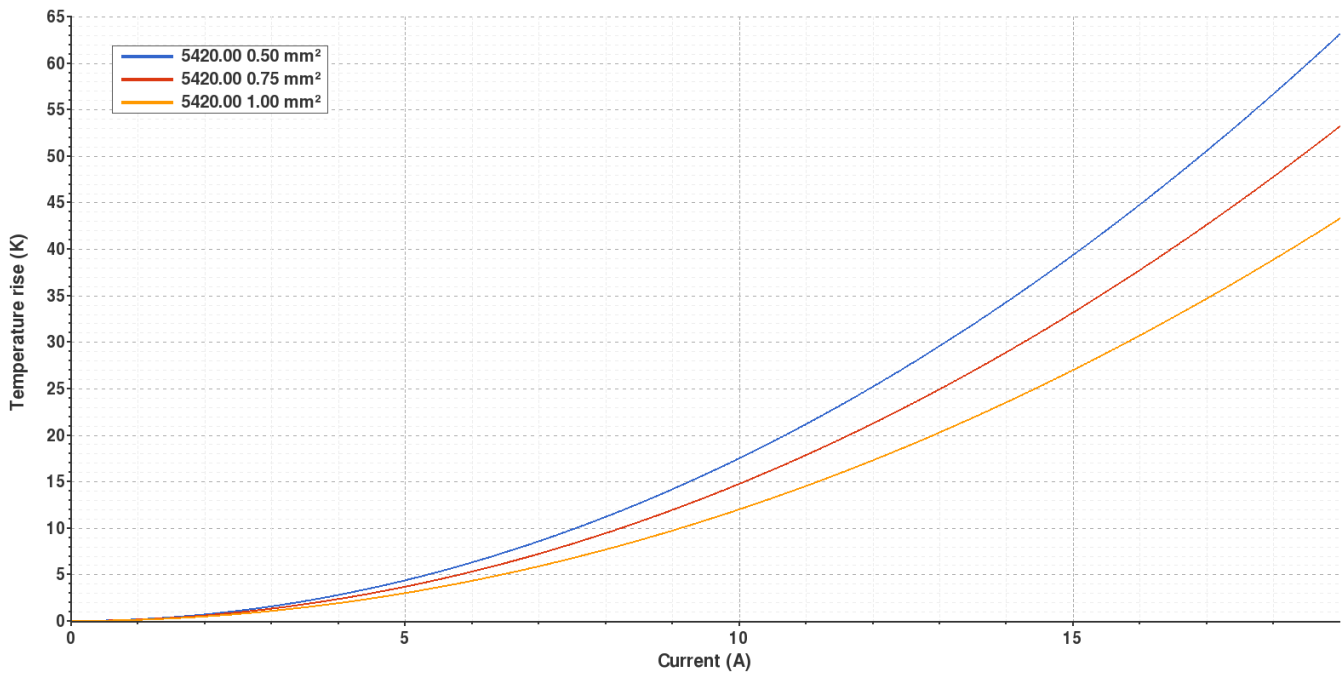
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



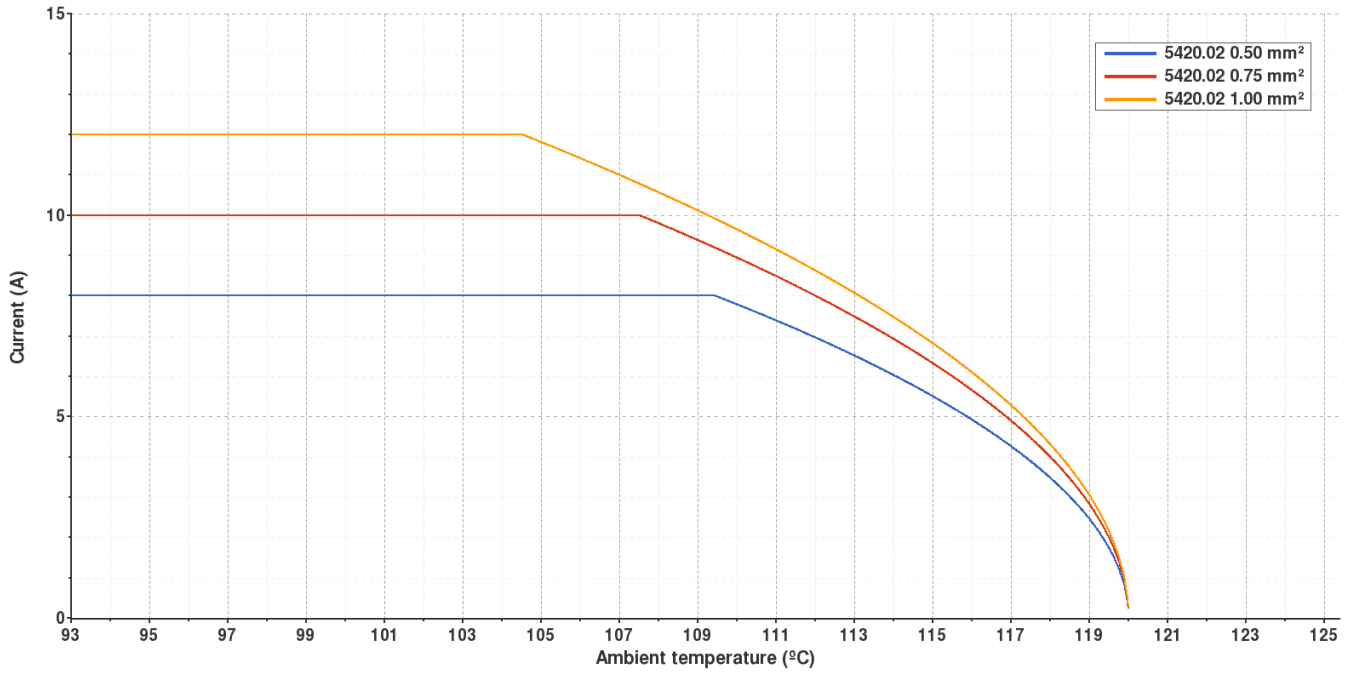
Valid for Natural Brass Tab



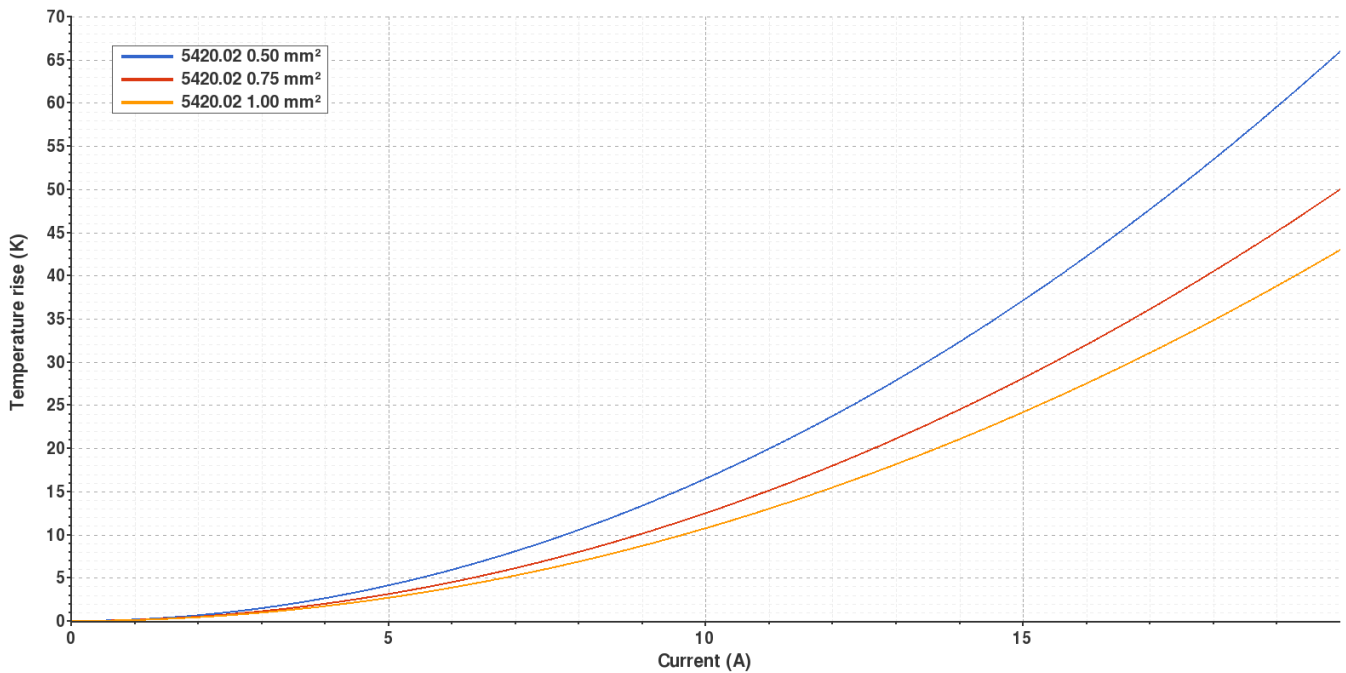
5420.02 TIN PLATED BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



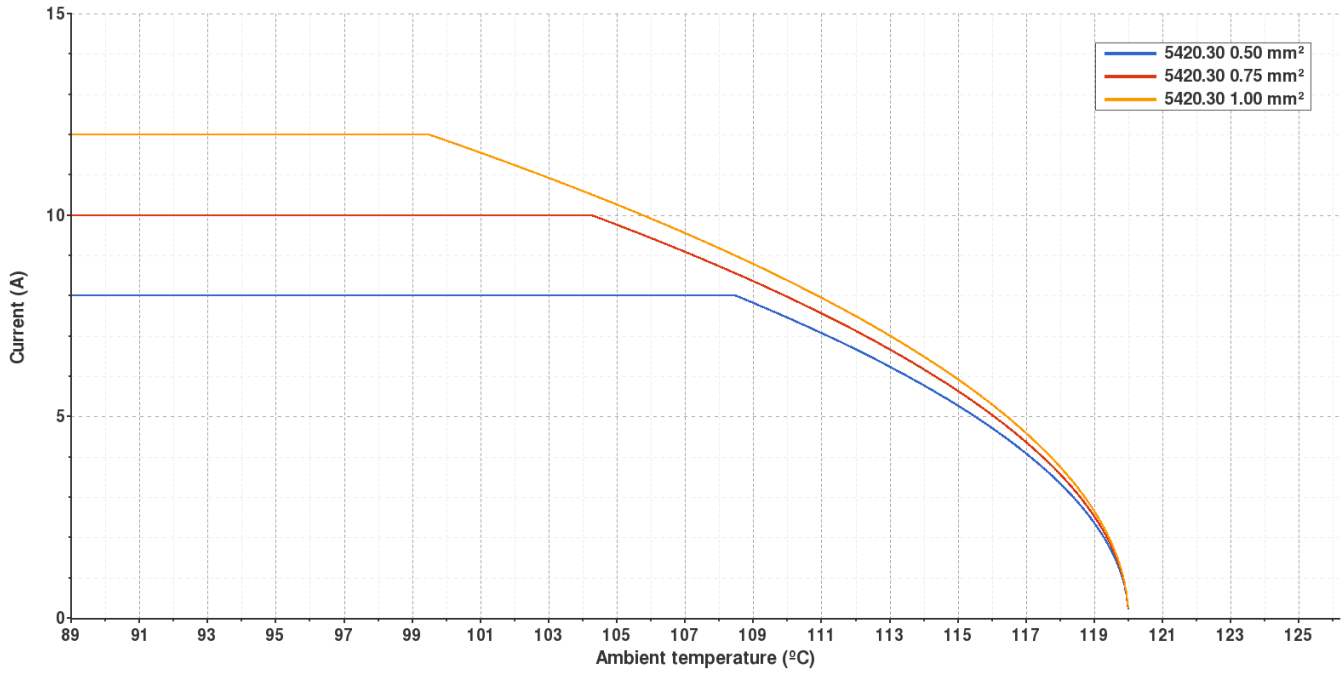
Valid for Natural Brass Tab



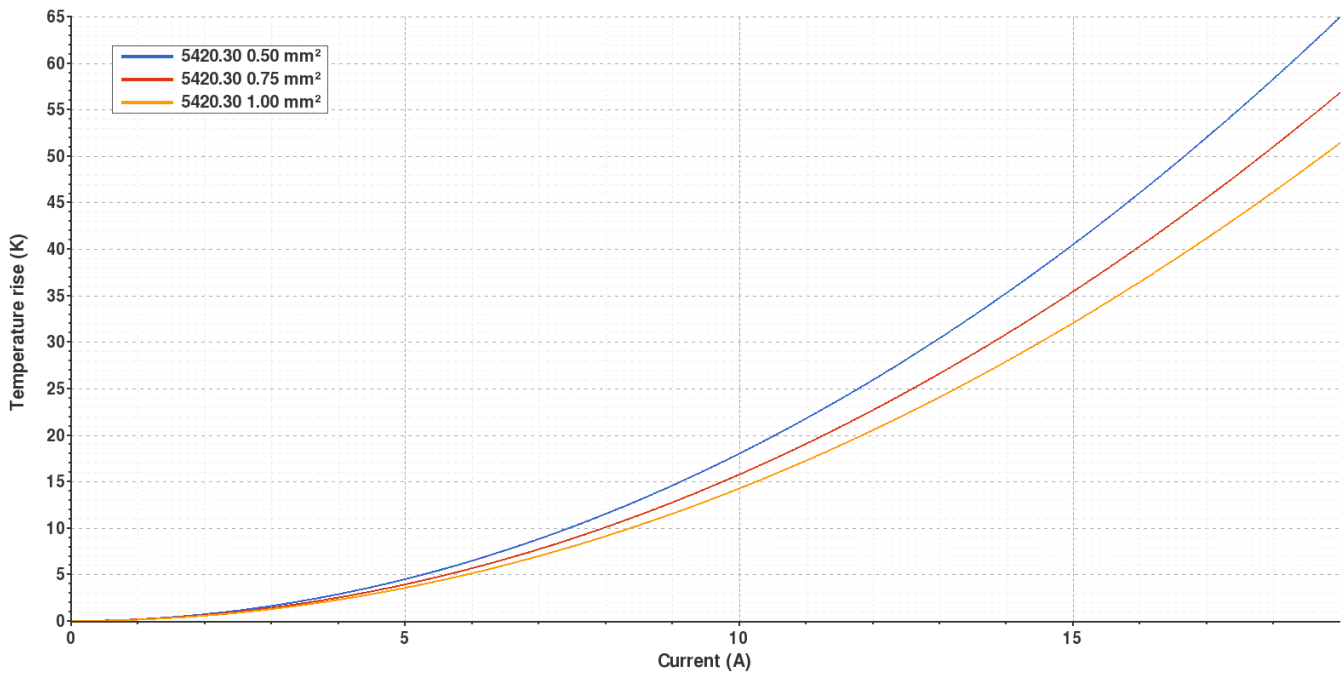
5420.30 NATURAL BRONZE
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

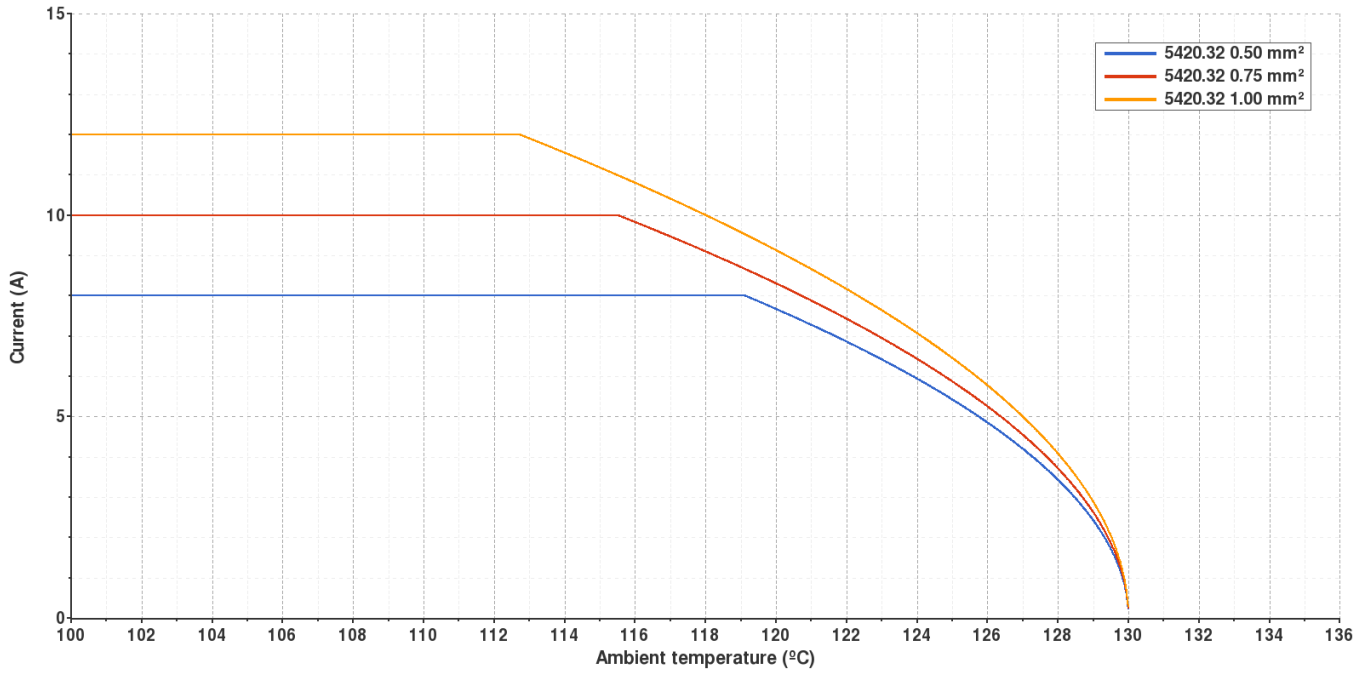


5420.32 TIN PLATED BRONZE
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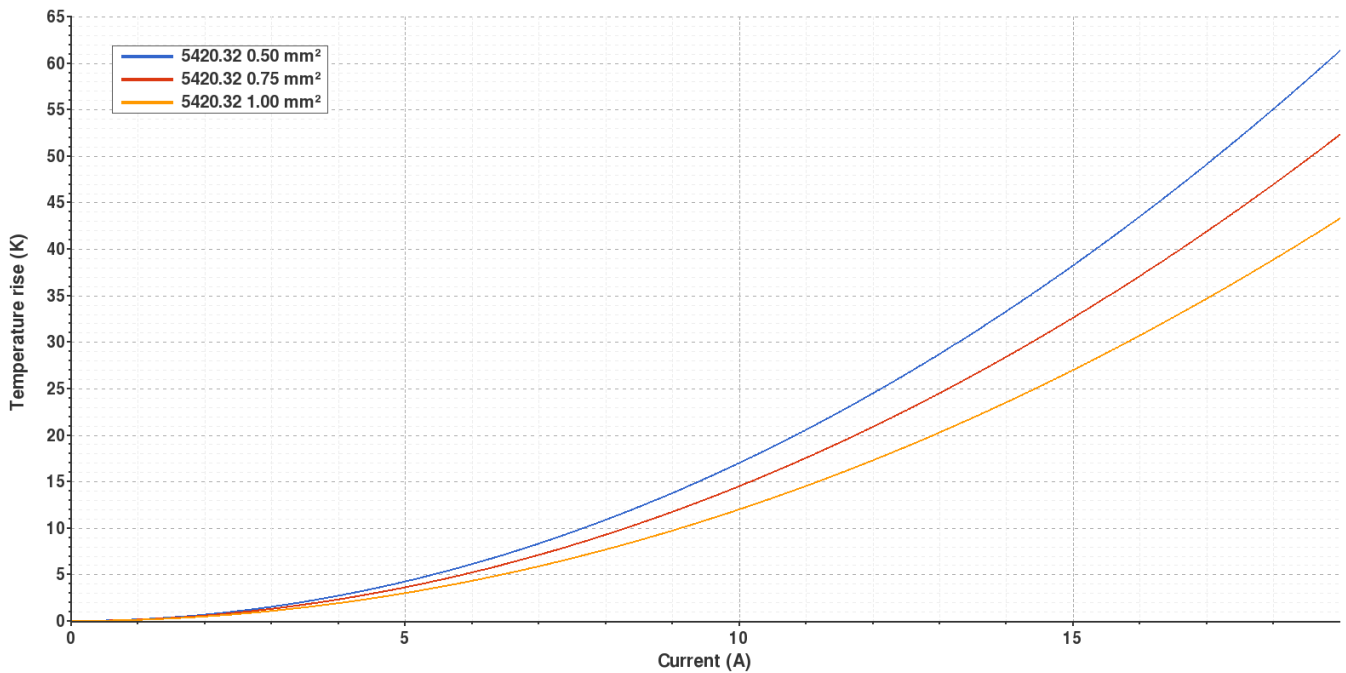
Derating curve

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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