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Specification 9.5 mm Plate

Ø (mm) 5,2

Wire size mm² (AWG) 0,5-2,5 (20-14)

Ø Insulation (mm) 1,8-4,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)
3421.00	Brass	Natural	110
3421.02	Brass	Tin plated	120
3421.30	Bronze	Natural	120
3421.32	Bronze	Tin plated	130

Material thickness (mm) 0,8

Max. rated current

Wire section	3421.00 / 02 / 30 / 32
0.50 mm²	8A
0.75 mm²	10A
1.00 mm²	12A
1.50 mm²	16A
2.50 mm²	20A

Application tool MN3420

Wire strip length 6.0 (±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 mm²	2.15 (±0.03)	4.06 (±0.03)	4.50 (±0.10)	60N
0.75 mm²	2.20 (±0.05)	4.07 (±0.05)	4.50 (±0.10)	85N
1.00 mm²	2.25 (±0.05)	4.07 (±0.05)	4.50 (±0.10)	108N
1.50 mm²	2.35 (±0.05)	4.07 (±0.05)	4.50 (±0.10)	150N
2.00 mm²	2.45 (±0.05)	4.10 (±0.05)	4.50 (±0.10)	200N
2.50 mm²	2.50 (±0.05)	4.10 (±0.05)	4.50 (±0.10)	230N

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 6000

Approvals

RoHS

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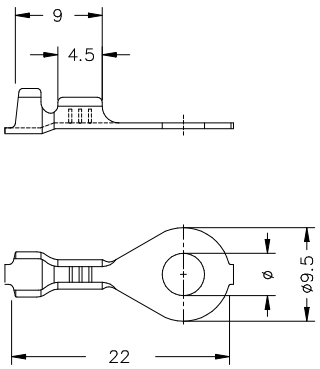
Drawing



3421.00 NATURAL BRASS

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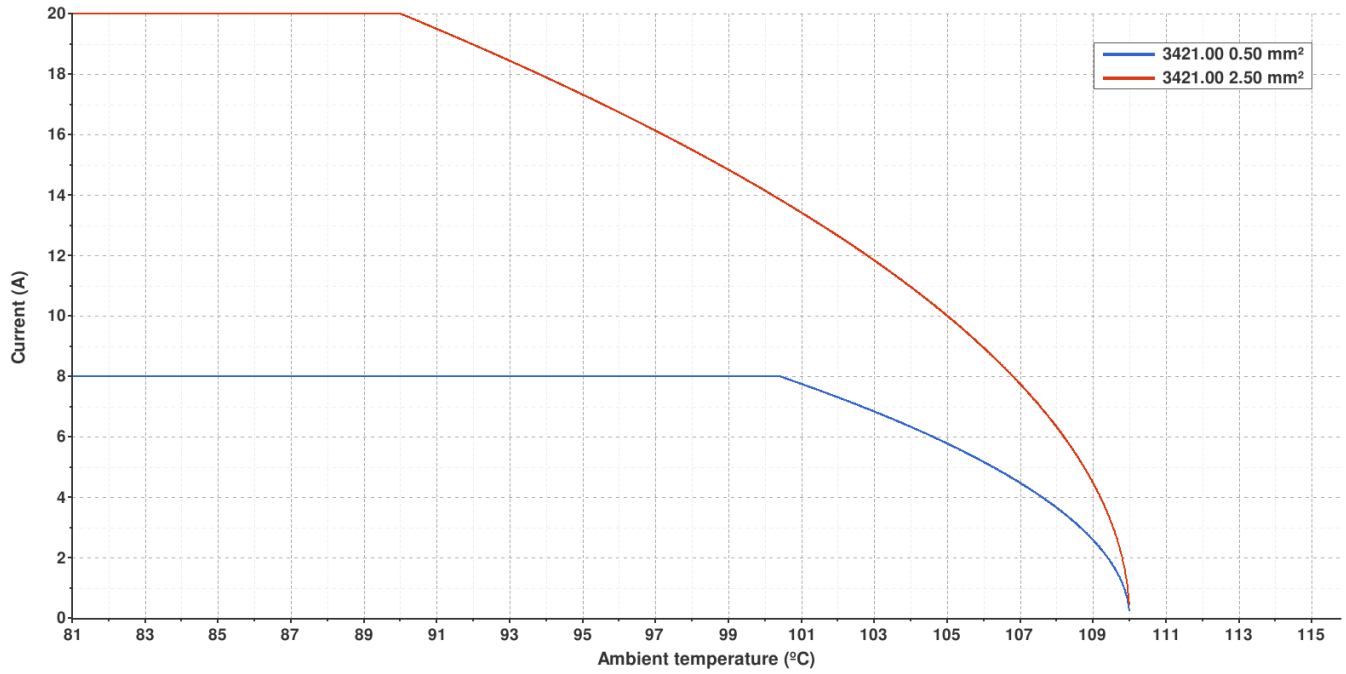
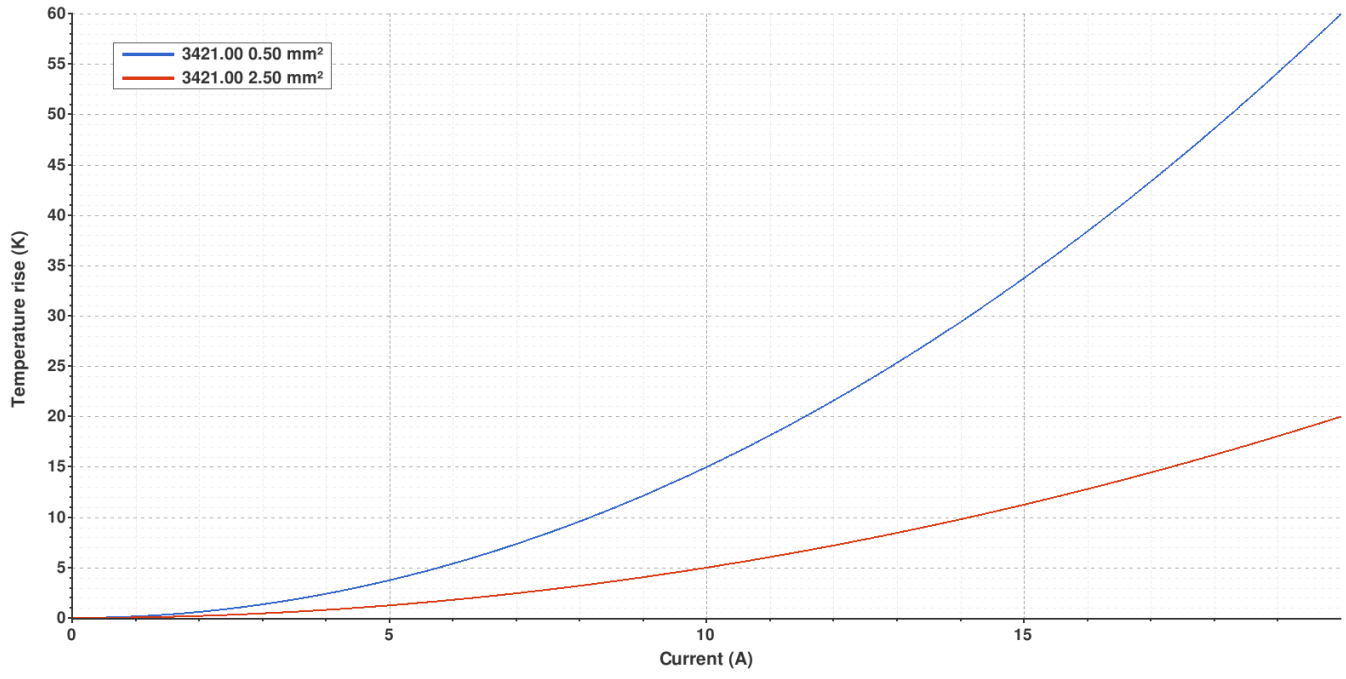
Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for 3421.00 - M5

3421.02 TIN PLATED BRASS

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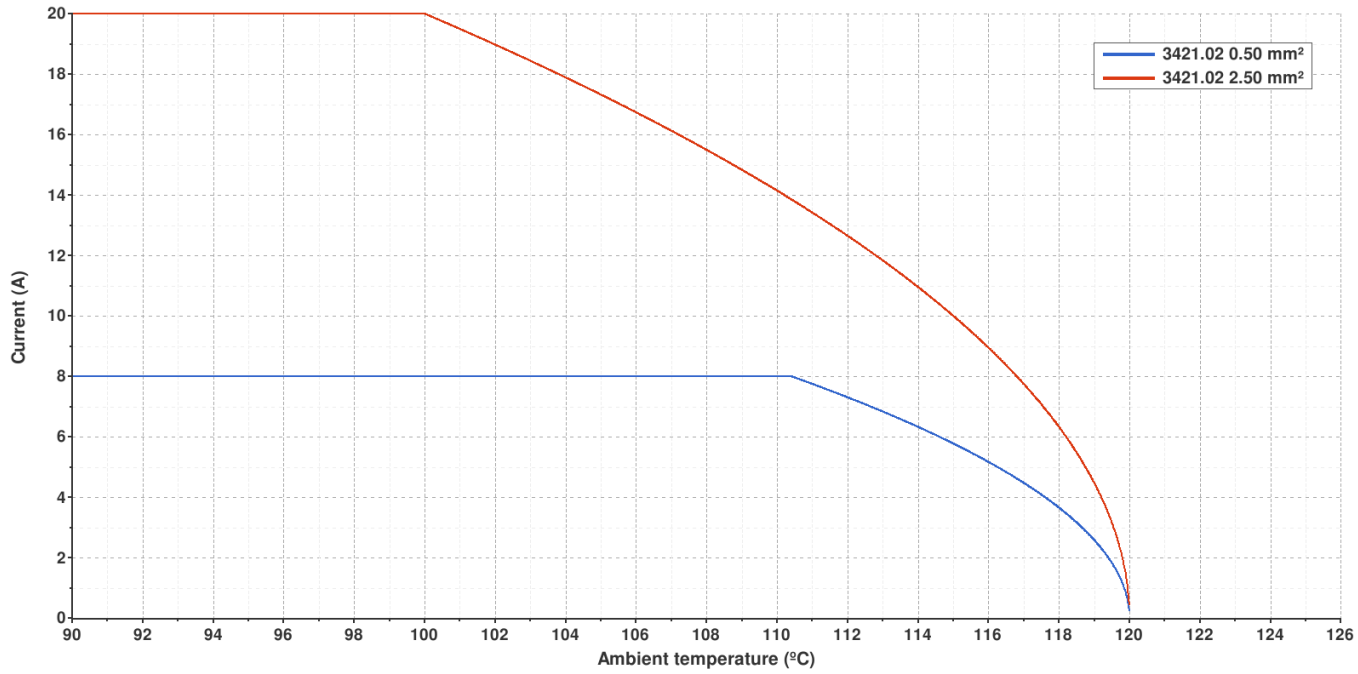
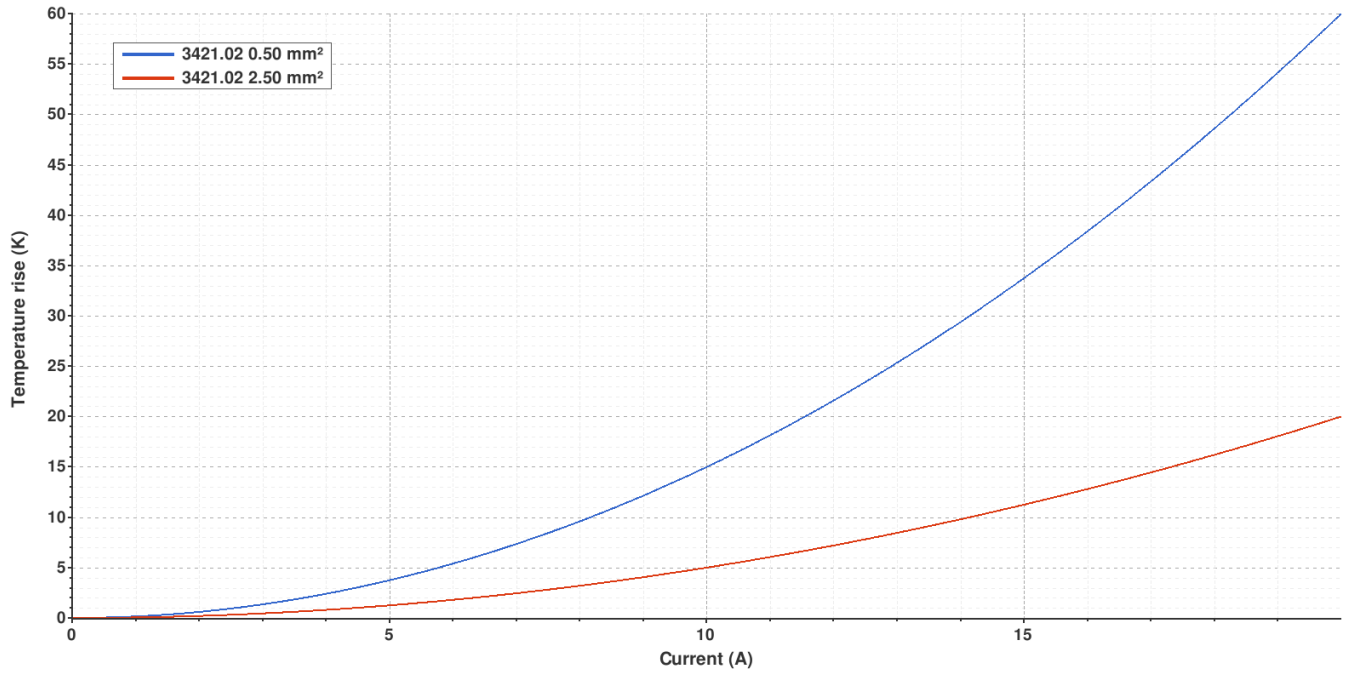
Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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Rev. Nr.	Concept	Date	Created/Revised	Approved
A4	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A3	Update de-rating curves - 3421.02	2018-07-12	Laboratory Dept.	E. Roura
A2	Update de-rating curves	2018-07-05	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-06-29	Laboratory Dept.	E. Roura

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