

4425.** 6.3 (.250) TYPE SERIES · RECEPTACLES



Specification Standard Terminals

For male (mm) 6,3x0,8

Din 46247

Wire size mm² (AWG) 2,5-6 (14-10)

Ø Insulation (mm) 3,8-5

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
4425.00	Brass	Natural	110
4425.02	Brass	Tin plated	120
4425.24	Steel	Nickel-plated	300
4425.30	Bronze	Natural	120
4425.32	Bronze	Tin plated	130
4425.33	Bronze	Silver-plated	150

Material thickness (mm) 0,4

Max. rated current

Wire section	4425.00 / 02 / 24 / 30 / 32 / 33
2.50 mm ²	20A
4.00 mm ²	26A
6.00 mm ²	34A

Insertion / Withdrawal forces


	4425.00 / 30	4425.02 / 24 / 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 MN4425

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)	
2.50 mm ²	2.15 (±0.05)	3.96 (±0.05)	6.04 (±0.10)	230N @ 60s
3.00 mm ²	2.25 (±0.05)	3.97 (±0.05)	6.10 (±0.10)	≥ 250N
4.00 mm ²	2.35 (±0.05)	3.99 (±0.05)	6.05 (±0.10)	310N @ 60s
6.00 mm ²	2.70 (±0.05)	4.02 (±0.05)	6.05 (±0.10)	360N @ 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 26310**, 26311**, 26313**, 26316**, 26320**, 26321**

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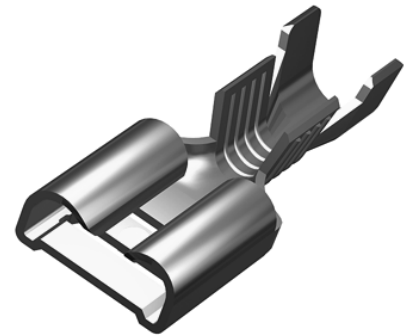
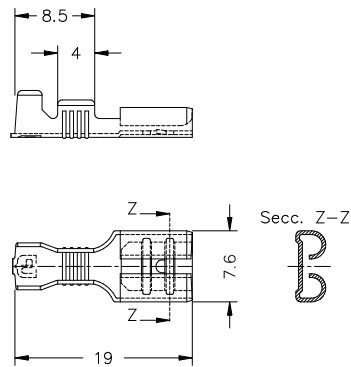
Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4425.00	UL	UL 310	E211727	AWG 14 (41 Stranded Cu) / MN4425
4425.02	UL	UL 310	E211727	AWG 14-10 (41-105 Stranded Cu) / MN4425
4425.24	UL	UL 310	E211727	AWG 14 (41 Stranded Cu) / MN4425

Approvals



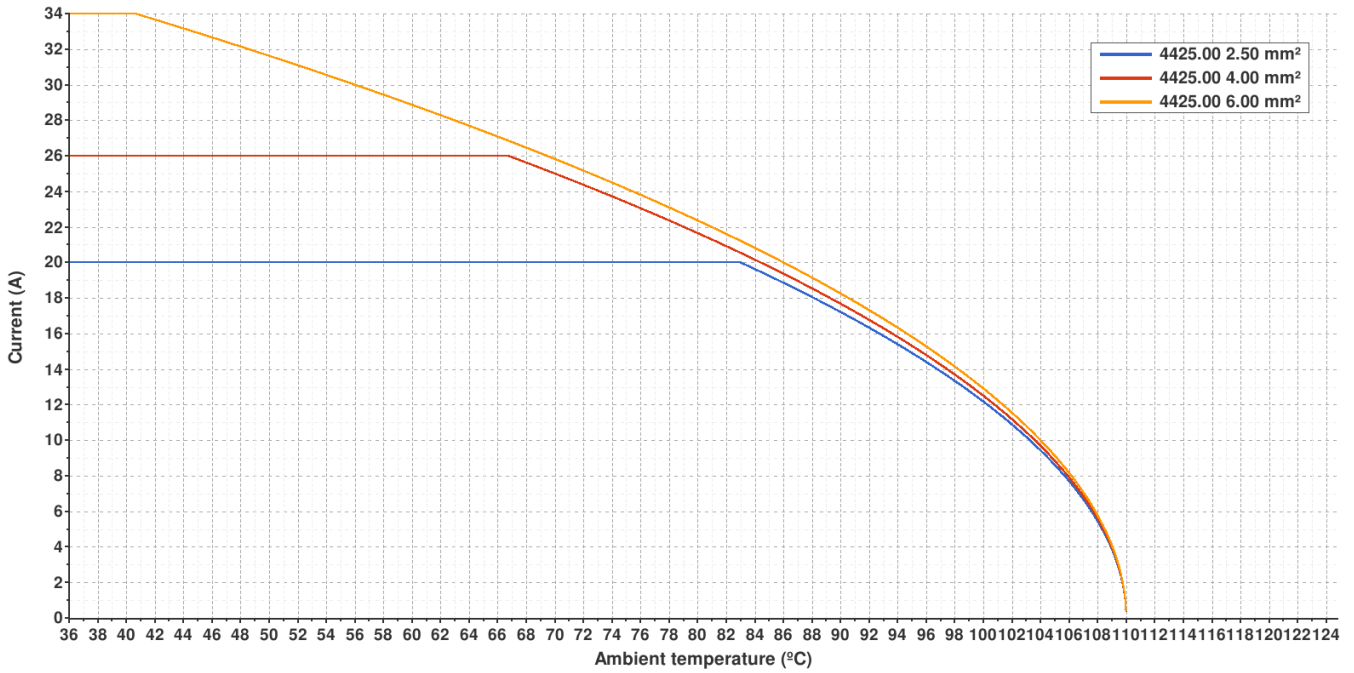
Drawing



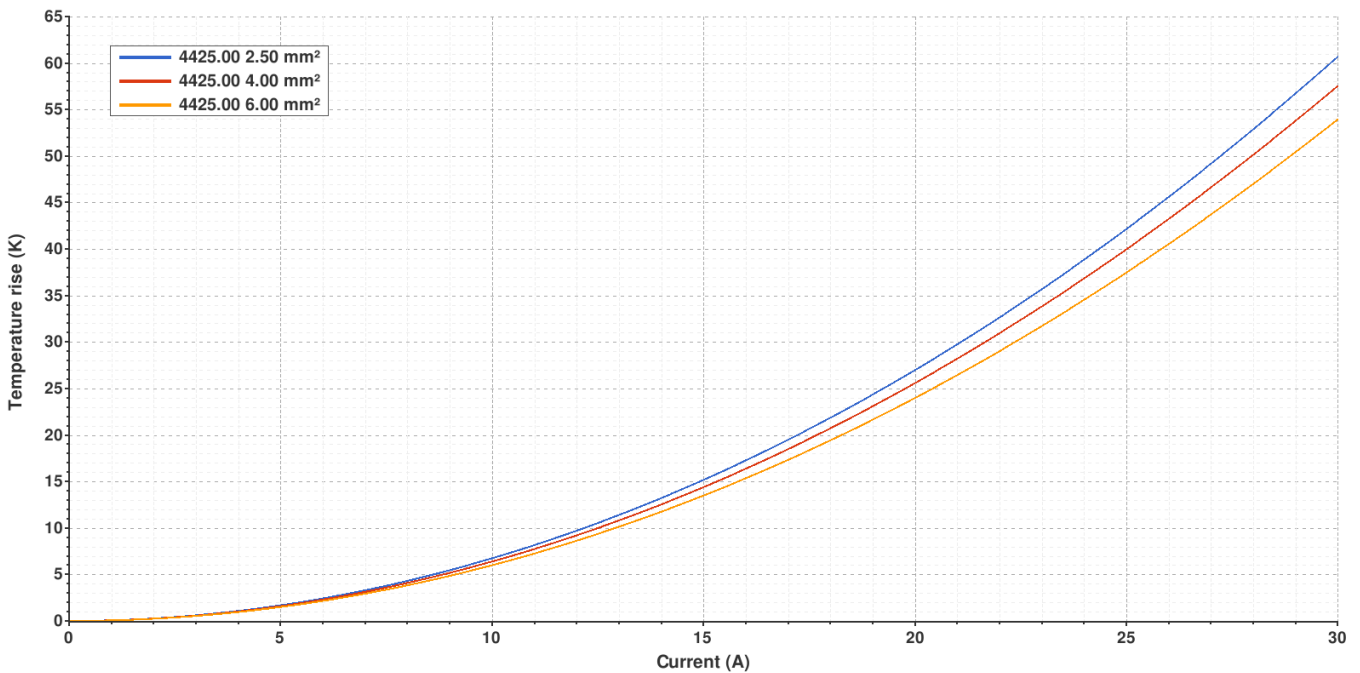
4425.00 NATURAL BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

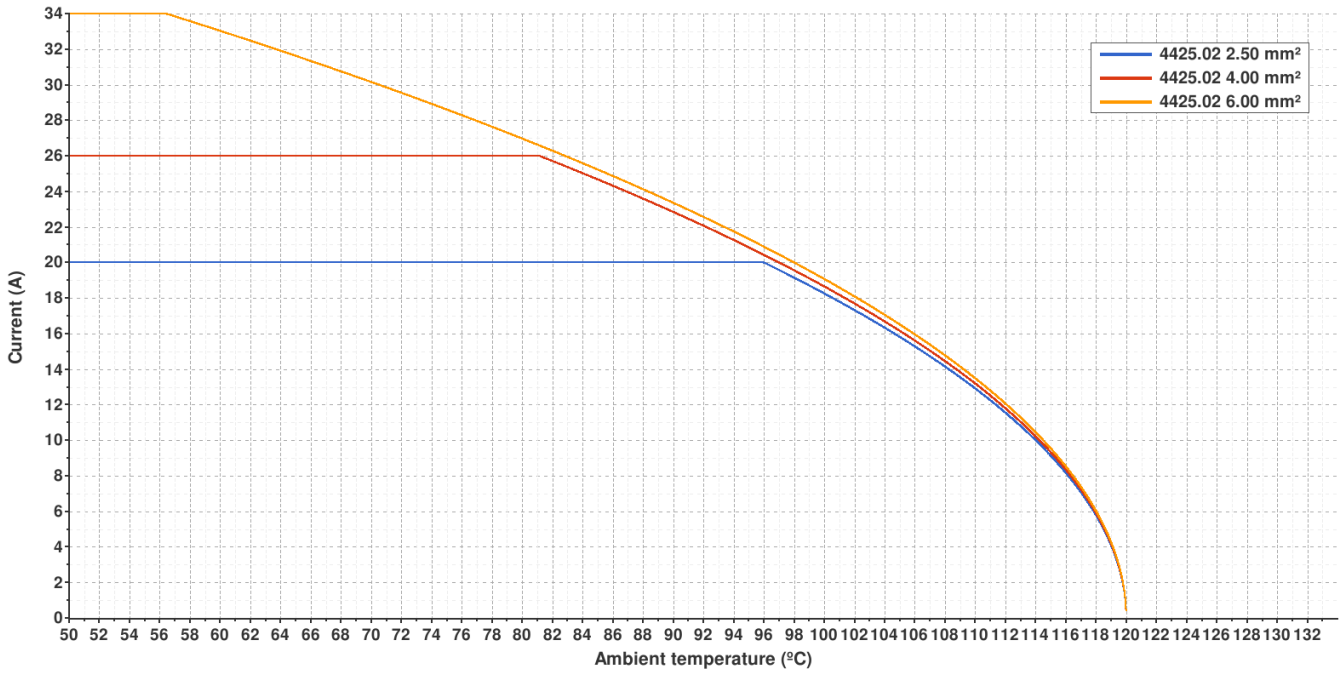


Valid for Natural Brass Tab

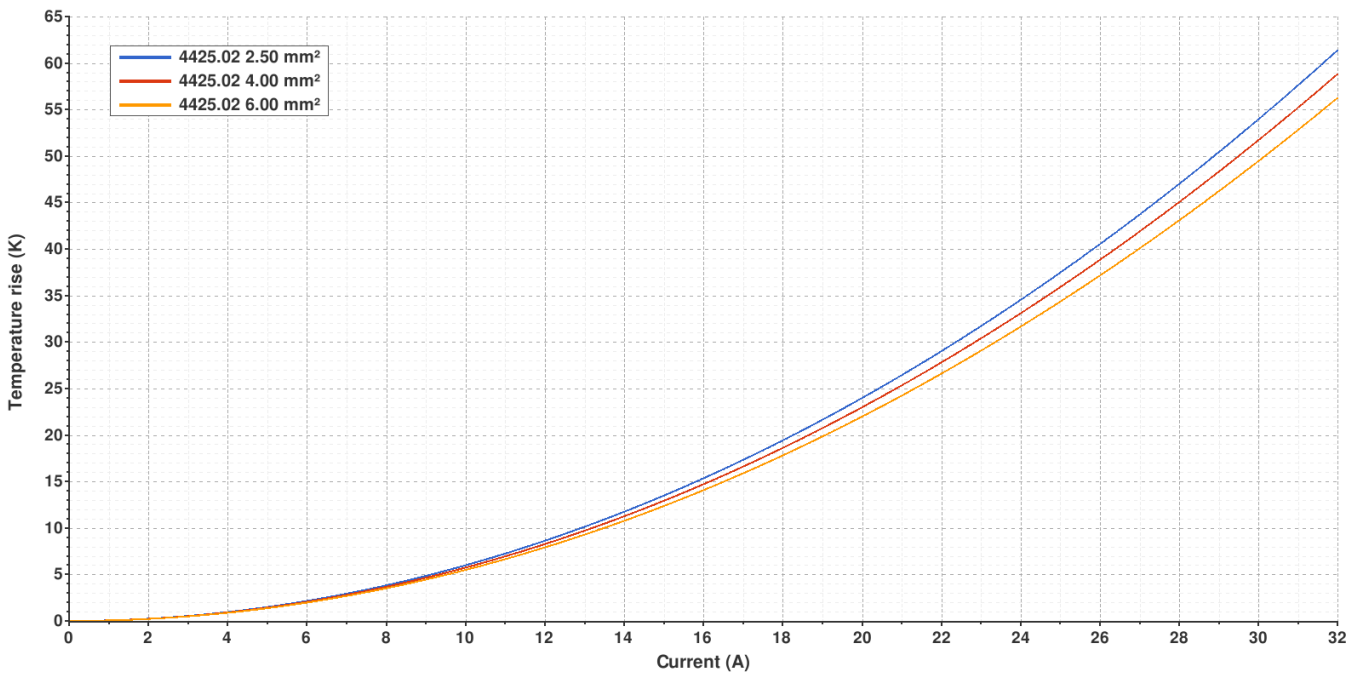
4425.02 TIN PLATED BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

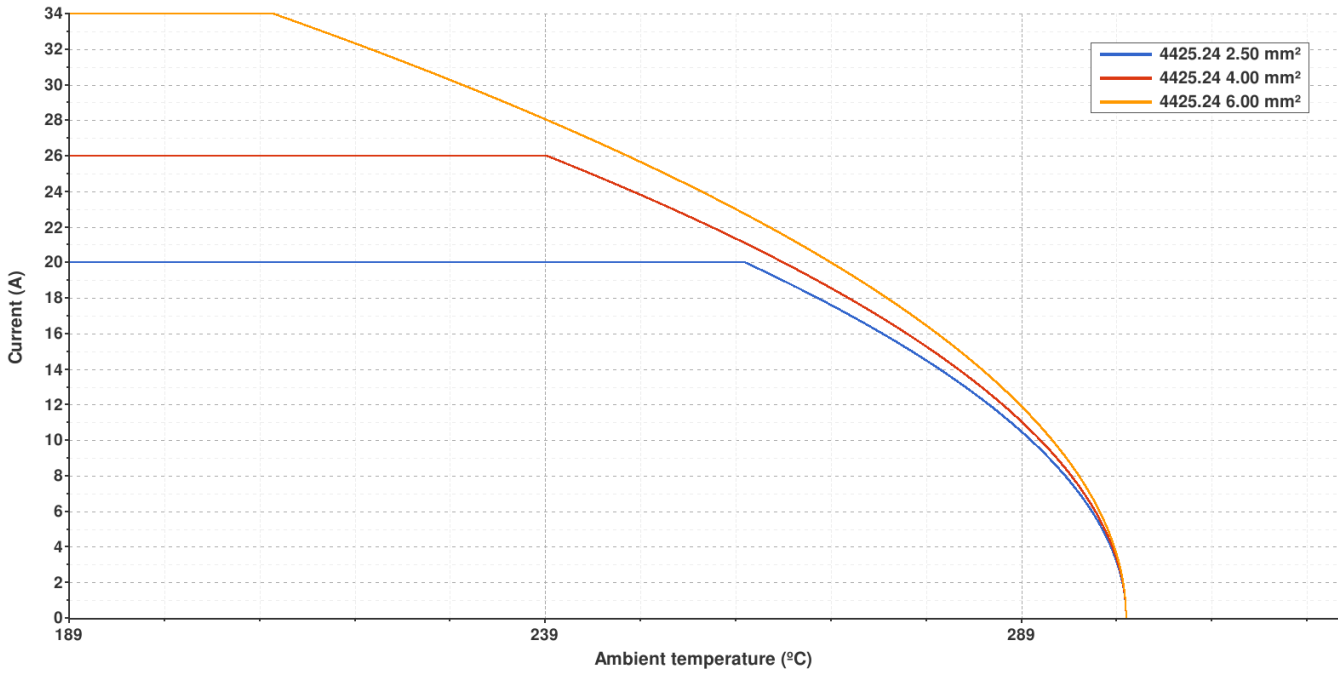


Valid for Natural Brass Tab

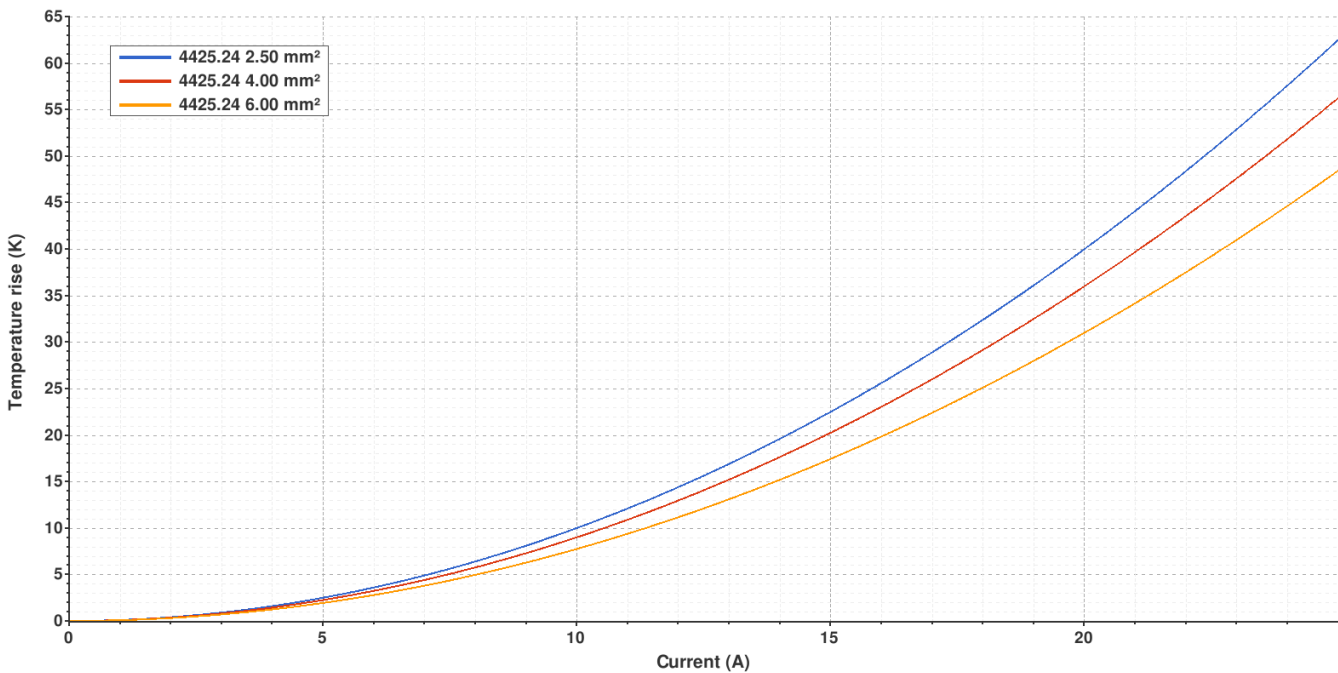
4425.24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

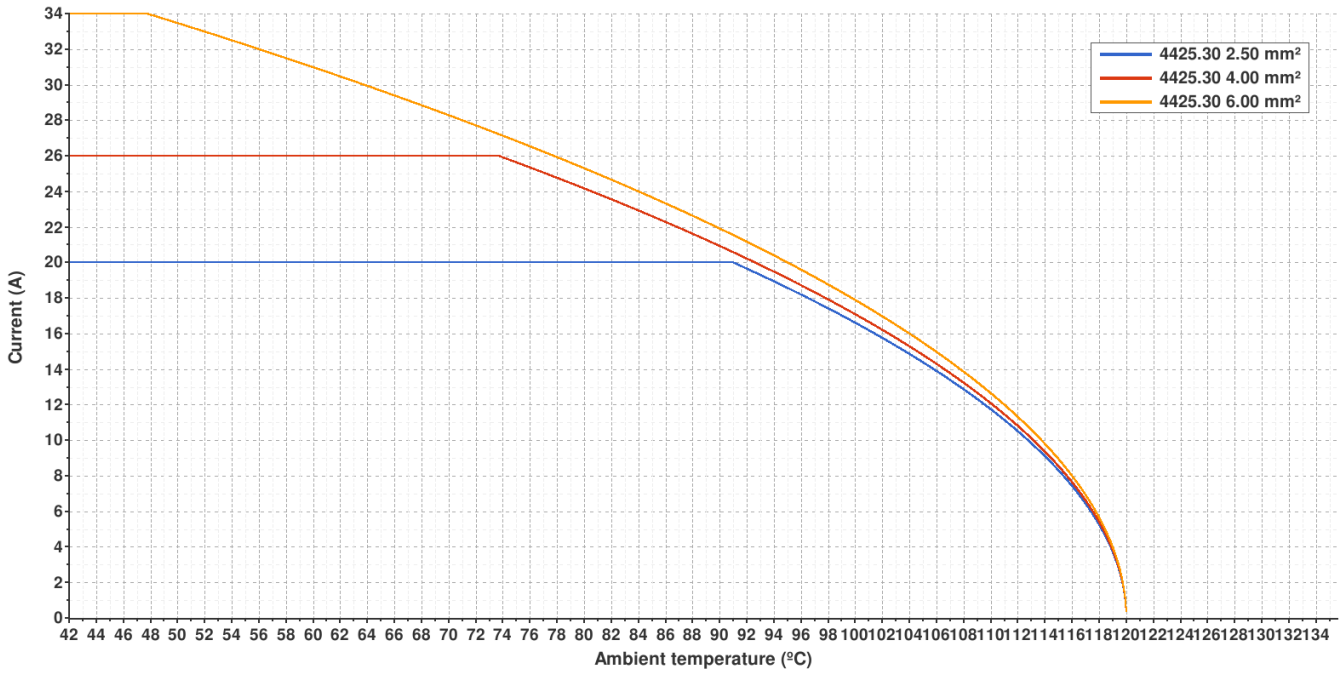


Valid for Natural Brass Tab

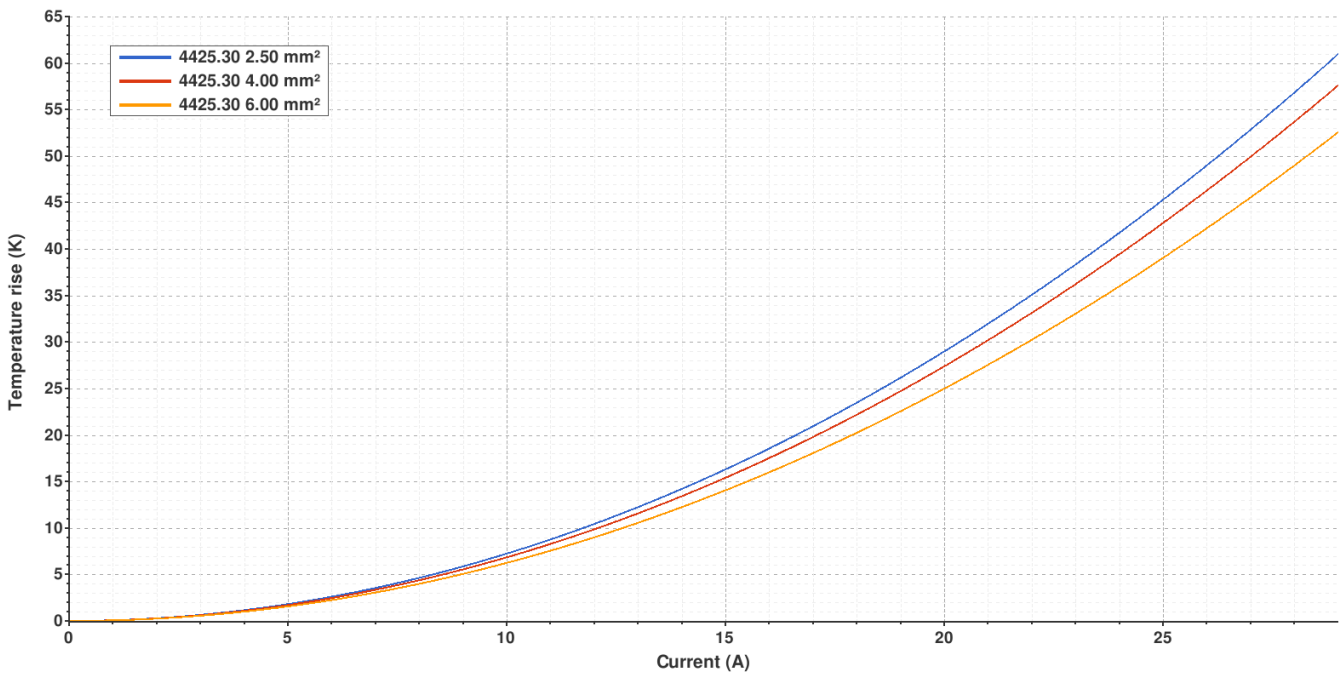
4425.30 NATURAL BRONZE
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

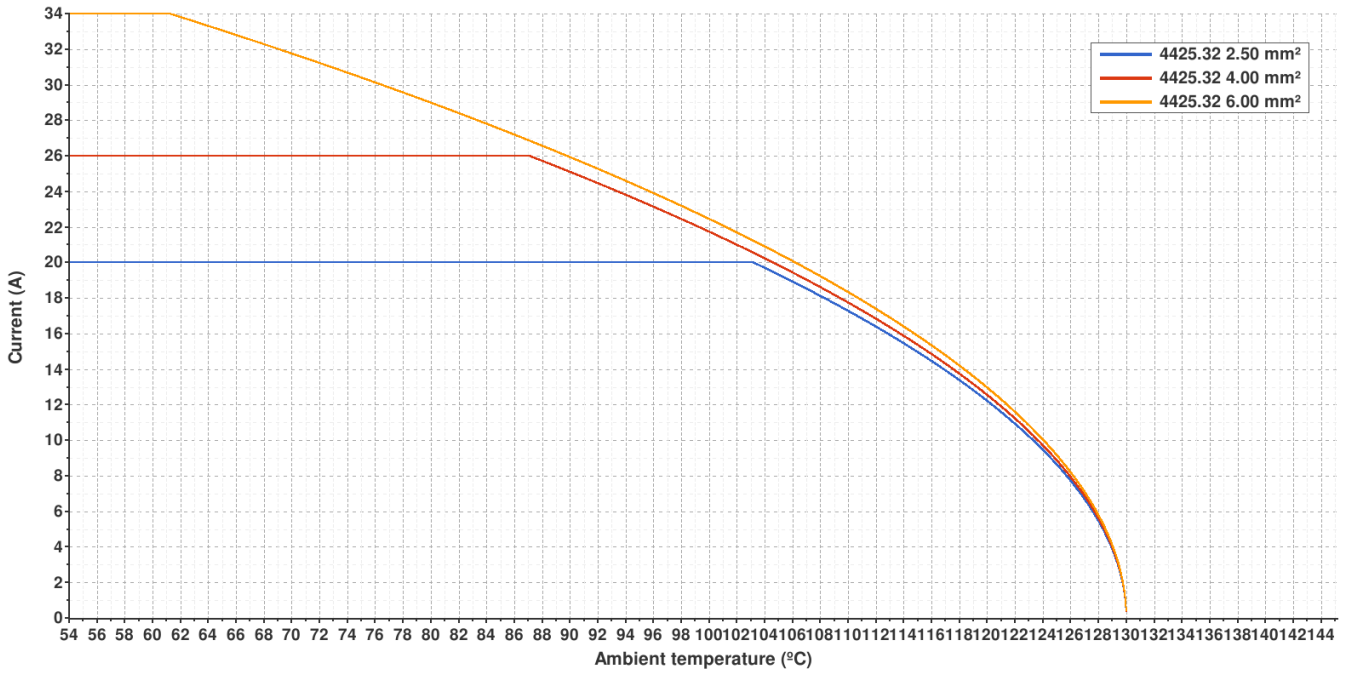


Valid for Natural Brass Tab

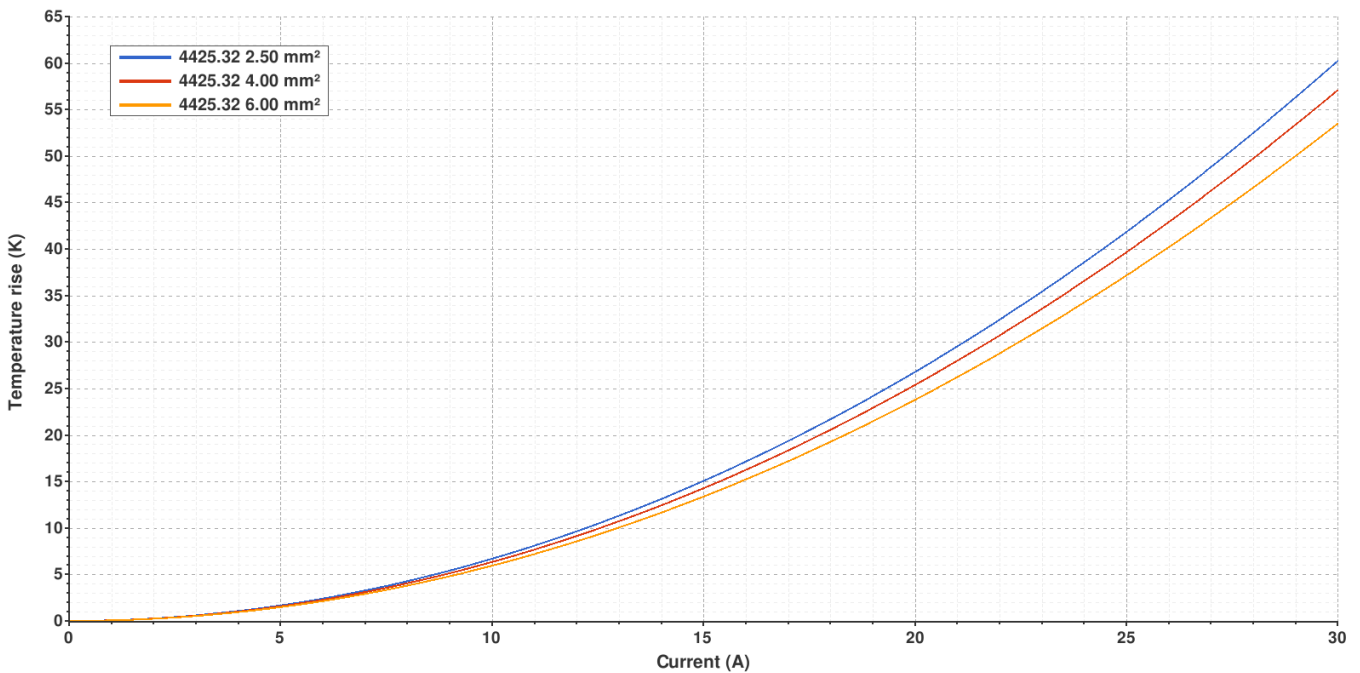
4425.32 TIN PLATED BRONZE
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A4	Update insertion and withdrawal forces	2021-11-12	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)
A3	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A2	Update electric de-rating and temperture rise curves	2020-03-24	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-09-26	Laboratory Dept.	E. Roura

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