



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



**Specification** Standard Terminals

**For male (mm)** 6,3x0,8

**Din** 46247

**Wire size mm<sup>2</sup> (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 <sup>2</sup>	20A
4.00 mm <sup>2</sup>	26A
6.00 mm <sup>2</sup>	34A

**Insertion / Withdrawal forces**


	4425.00 / 24 / 30	4425.02 / 32
1st Insertion (max)	60N <sup>1</sup>	80N <sup>1</sup>
1st Withdrawal (max)	60N <sup>1</sup>	80N <sup>1</sup>
10th Withdrawal (min)	18N <sup>1</sup>	13N <sup>1</sup>

<sup>1</sup> 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 <sup>2</sup>	2.15 (±0.05)	3.96 (±0.05)	6.04 (±0.10)	230N @ 60s
3.00 mm <sup>2</sup>	2.25 (±0.05)	3.97 (±0.05)	6.10 (±0.10)	≥ 250N
4.00 mm <sup>2</sup>	2.35 (±0.05)	3.99 (±0.05)	6.05 (±0.10)	310N @ 60s
6.00 mm <sup>2</sup>	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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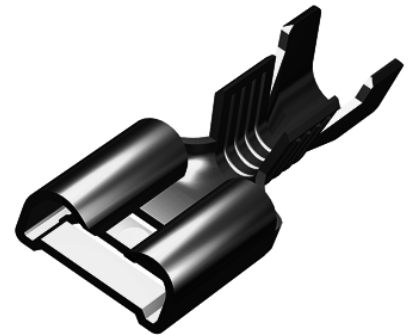
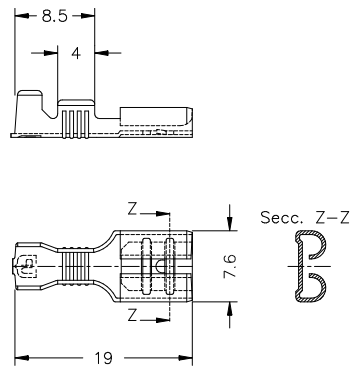
**Approved regulations**

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**

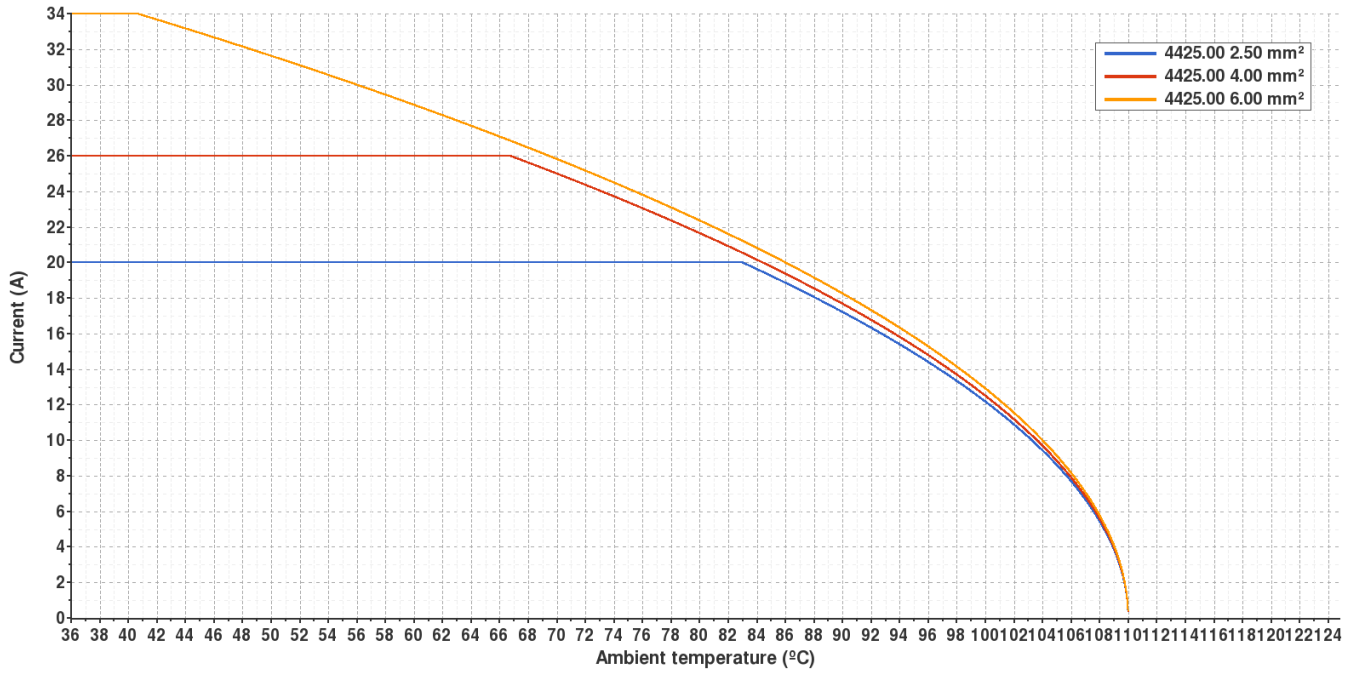




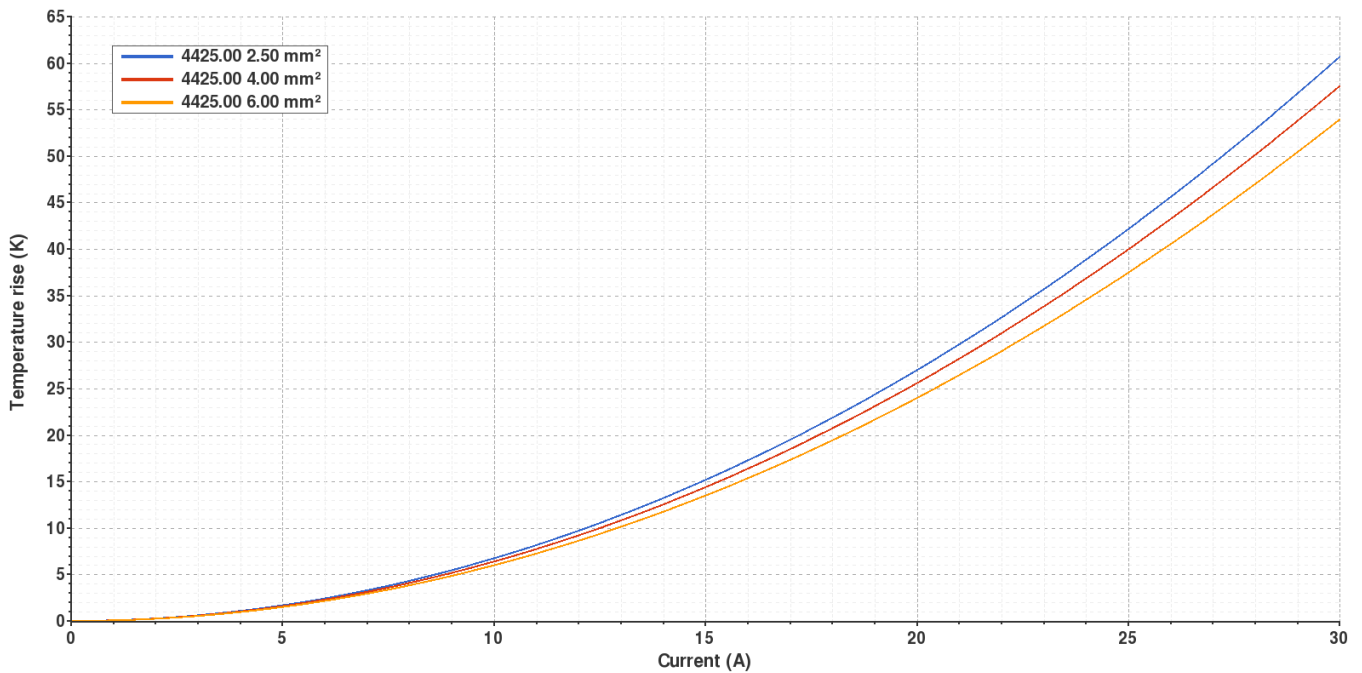
**4425.00 NATURAL BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



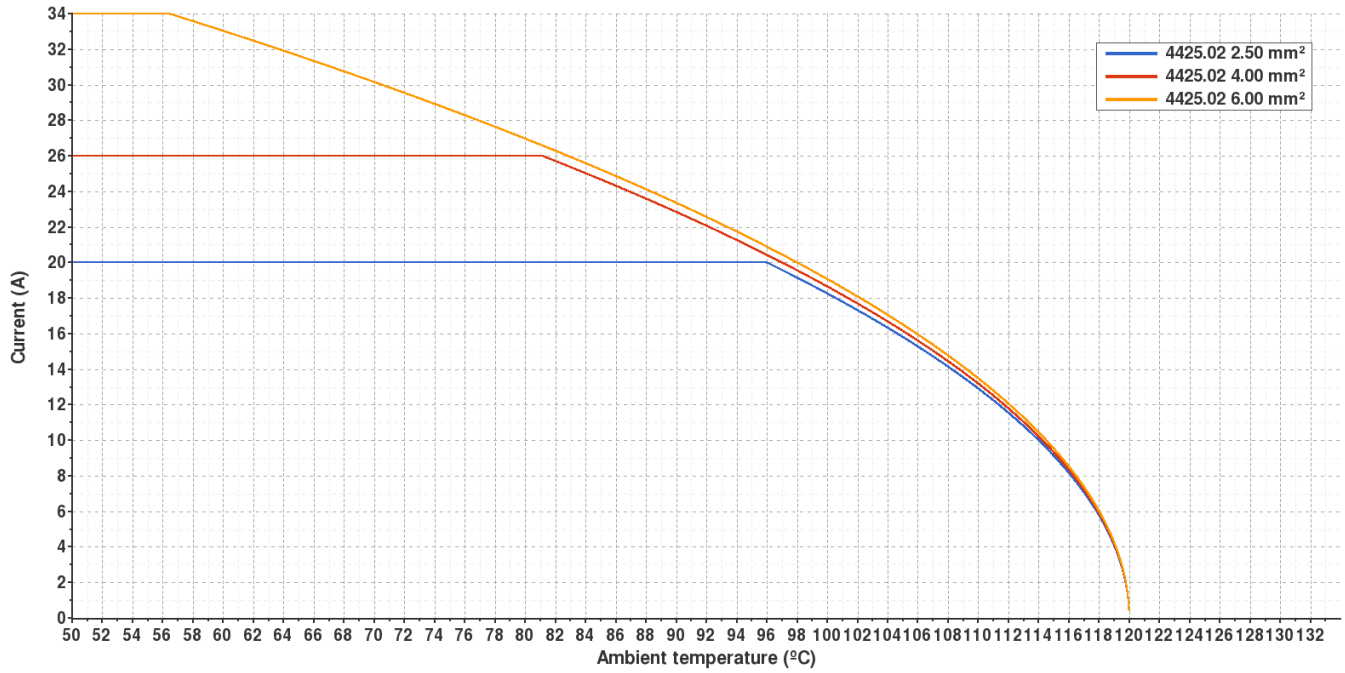
Valid for Natural Brass Tab



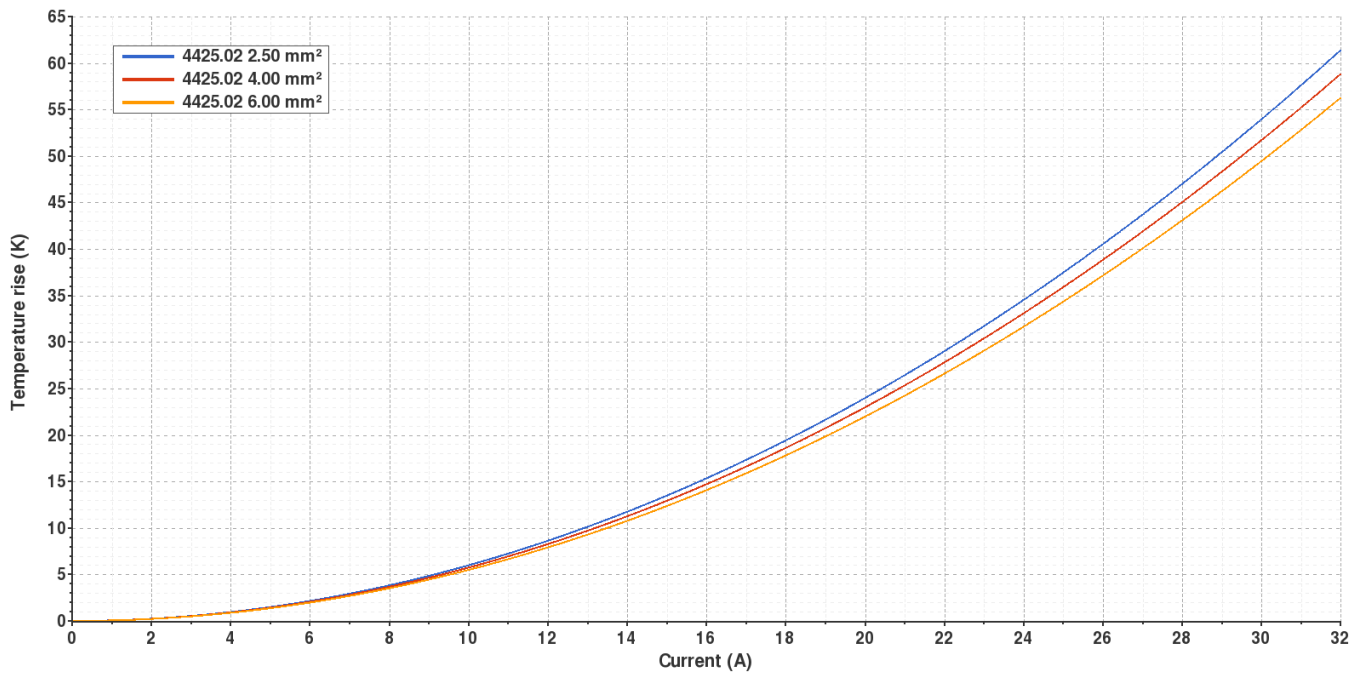
**4425.02 TIN PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



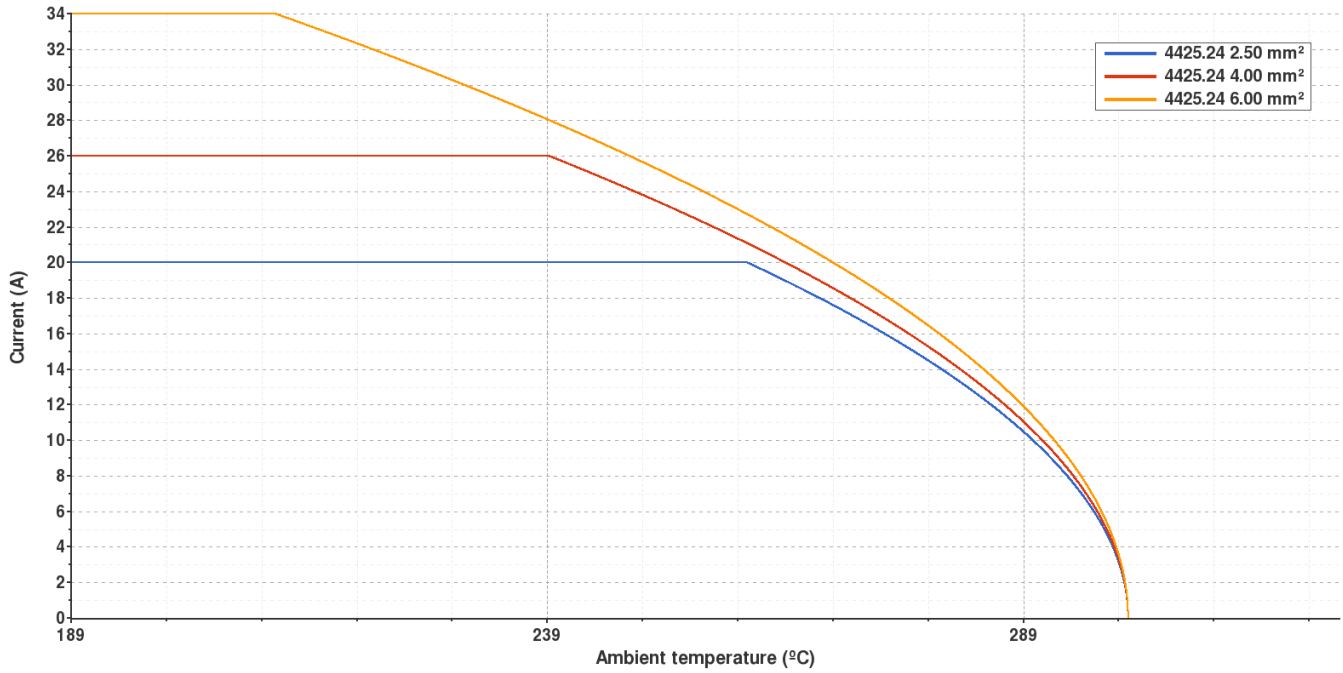
Valid for Natural Brass Tab



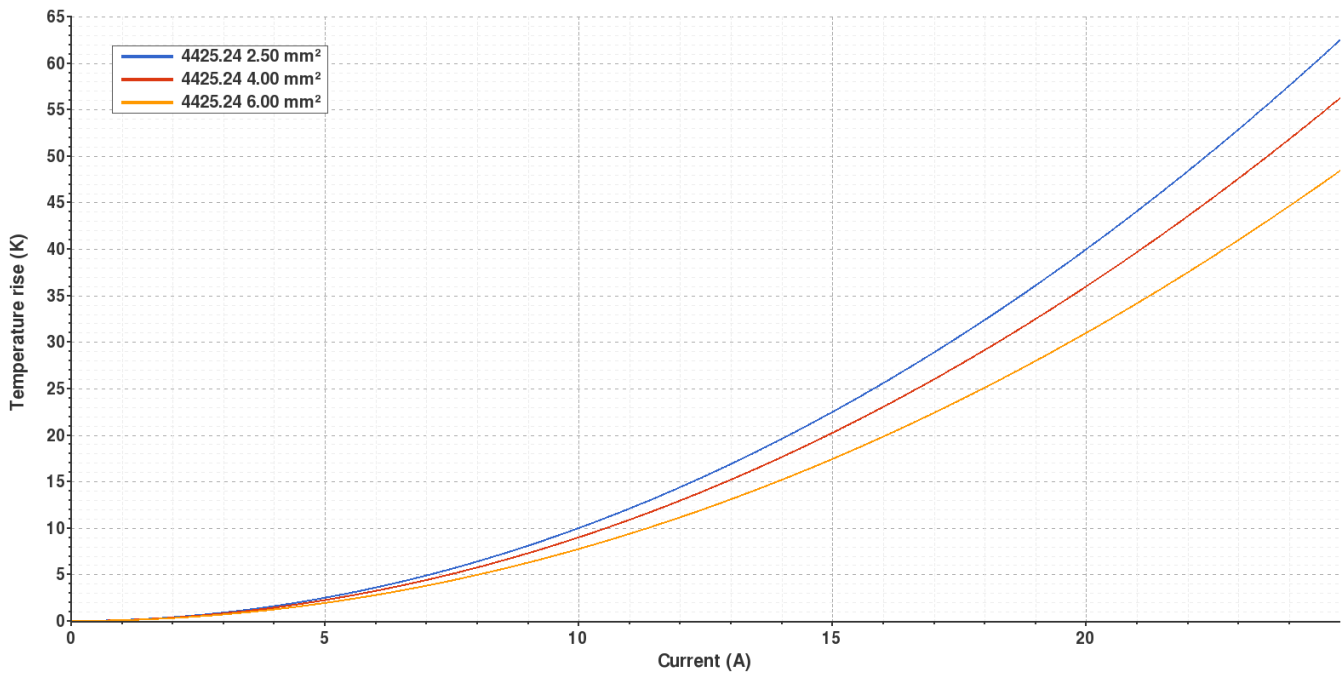
**4425.24 NICKEL-PLATED STEEL**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



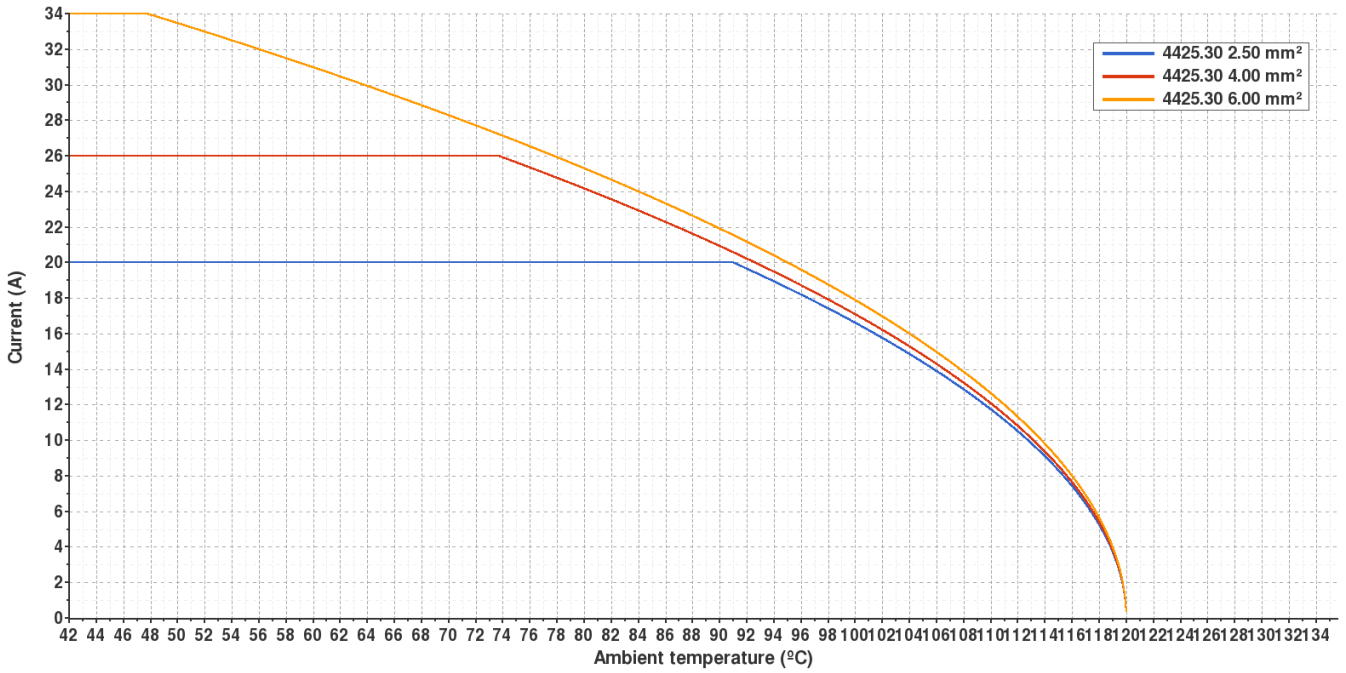
Valid for Natural Brass Tab



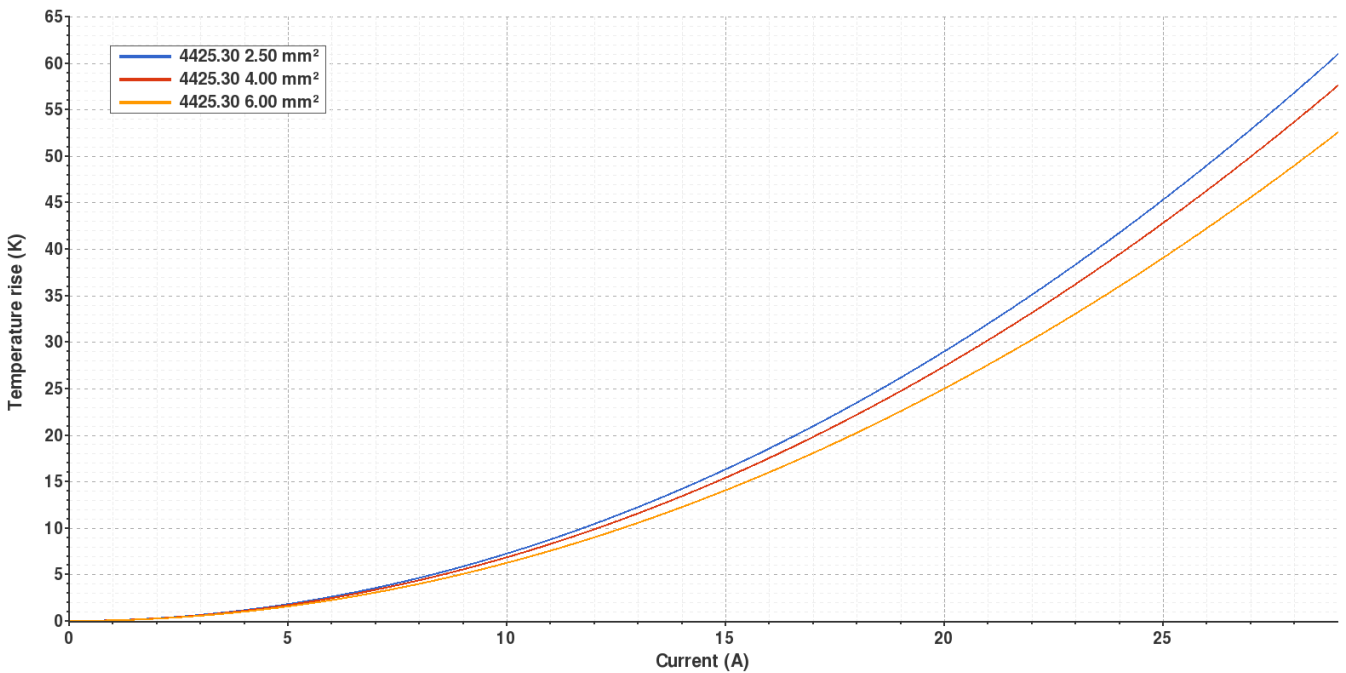
**4425.30 NATURAL BRONZE**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



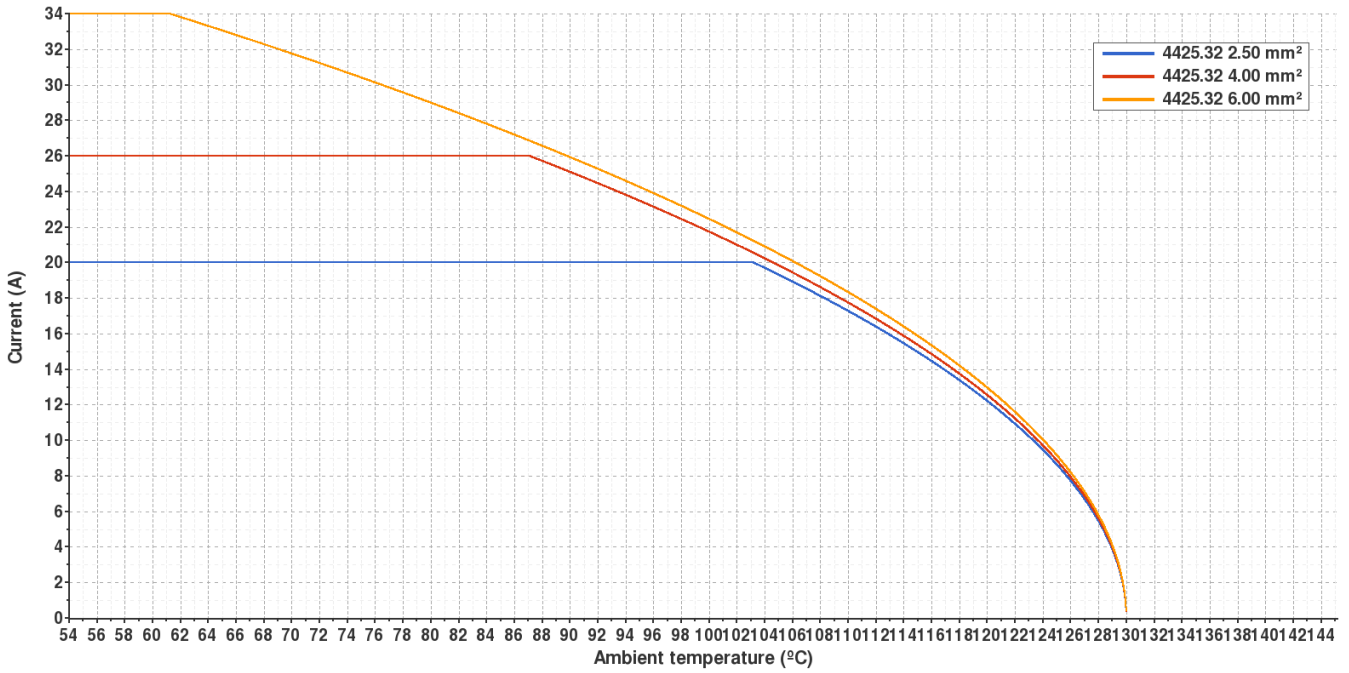
Valid for Natural Brass Tab



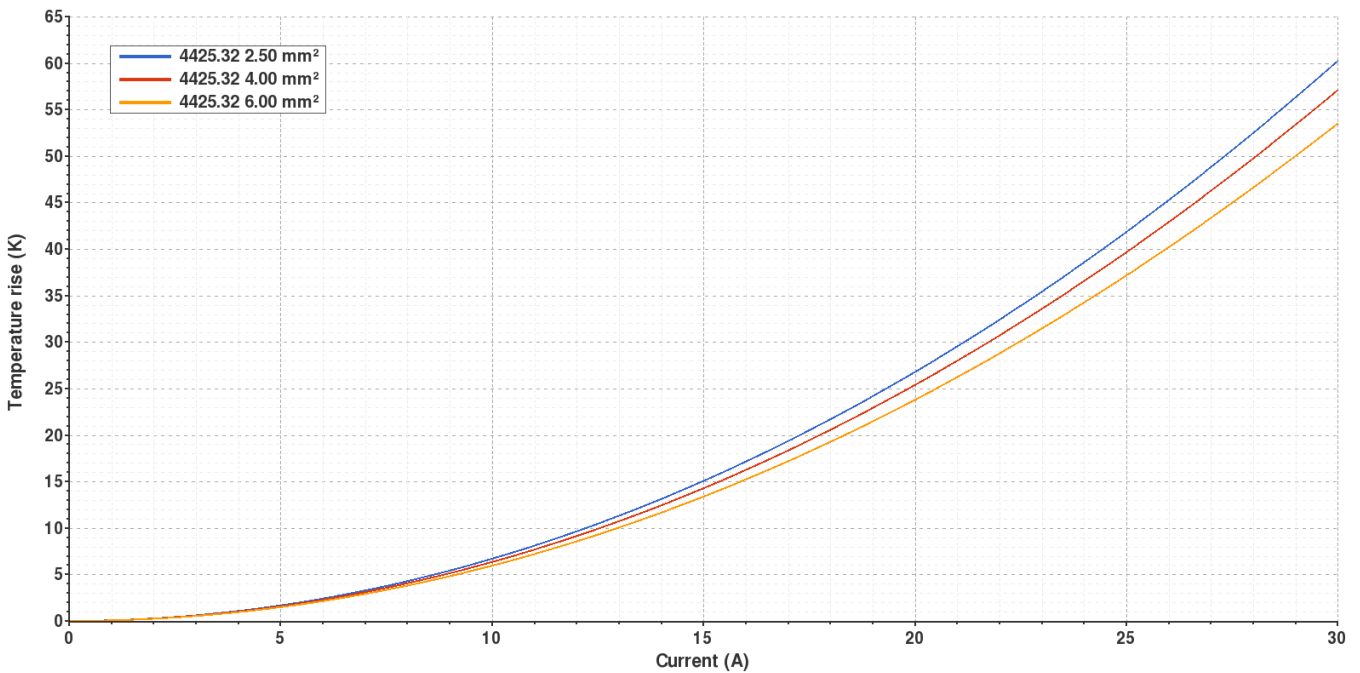
**4425.32 TIN PLATED BRONZE**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



**Derating curve** Current carrying capacity vs. Ambient temperature



**Temperature rise curve** Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



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**Disclaimer**

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Rev. Nr.	Concept	Date	Created/Revised	Approved
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