

## 4418.\*\* 4.8 (.187) TYPE SERIES · RECEPTACLES



**Specification** Standard Terminals

**For male (mm)** 4,8x0,8

**Din** 46247

**Wire size mm<sup>2</sup> (AWG)** 1-2,5 (18-14)

**Ø Insulation (mm)** 3-4,3

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4418.00	Brass	Natural	110	0.75
4418.02	Brass	Tin plated	120	0.60
4418.04	Brass	Nickel-plated	130	(T.B.D.)
4418.24	Steel	Nickel-plated	300	2.00
4418.30	Bronze	Natural	120	0.85
4418.32	Bronze	Tin plated	130	0.70

**Material thickness (mm)** 0,35

**Max. rated current**

Wire section	4418.00 / 02 / 04 / 24 / 30 / 32
1.00 mm <sup>2</sup>	12A
1.50 mm <sup>2</sup>	16A
2.50 mm <sup>2</sup>	20A

**Insertion / Withdrawal forces**


	4418.00 / 04 / 24 / 30	4418.02 / 32
1st Insertion (max)	50N <sup>1</sup>	60N <sup>1</sup>
1st Withdrawal (max)	50N <sup>1</sup>	60N <sup>1</sup>
10th Withdrawal (min)	10N <sup>1</sup>	15N <sup>1</sup>

<sup>1</sup> Valid for Natural Brass Tab

**Application tool** MN4416

**Wire strip length** 4.2 (±0.5) mm

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm <sup>2</sup>	1.40 (±0.05)	3.03 (±0.05)	4.12 (±0.10)	108N @ 60s
1.50 mm <sup>2</sup>	1.50 (±0.05)	3.05 (±0.05)	4.14 (±0.10)	150N @ 60s
2.00 mm <sup>2</sup>	1.65 (±0.05)	3.06 (±0.05)	4.14 (±0.10)	150N @ 60s
2.50 mm <sup>2</sup>	1.80 (±0.05)	3.08 (±0.05)	4.16 (±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** 10000

**Compatible connectors** 24812\*\*

**4418.\*\***  
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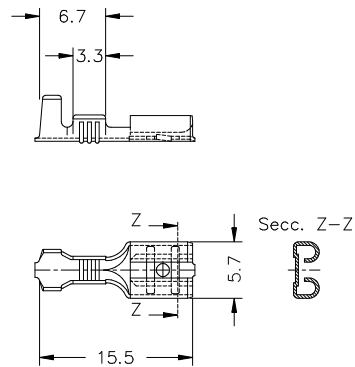
**Approved regulations**

Part nr.	Approval	Standard	File	Certified framework
4418.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4418
4418.02	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4418
4418.24	UL	UL 310	E211727	AWG 18-18 (16-16 Stranded Cu) / MN4418

**Approvals**



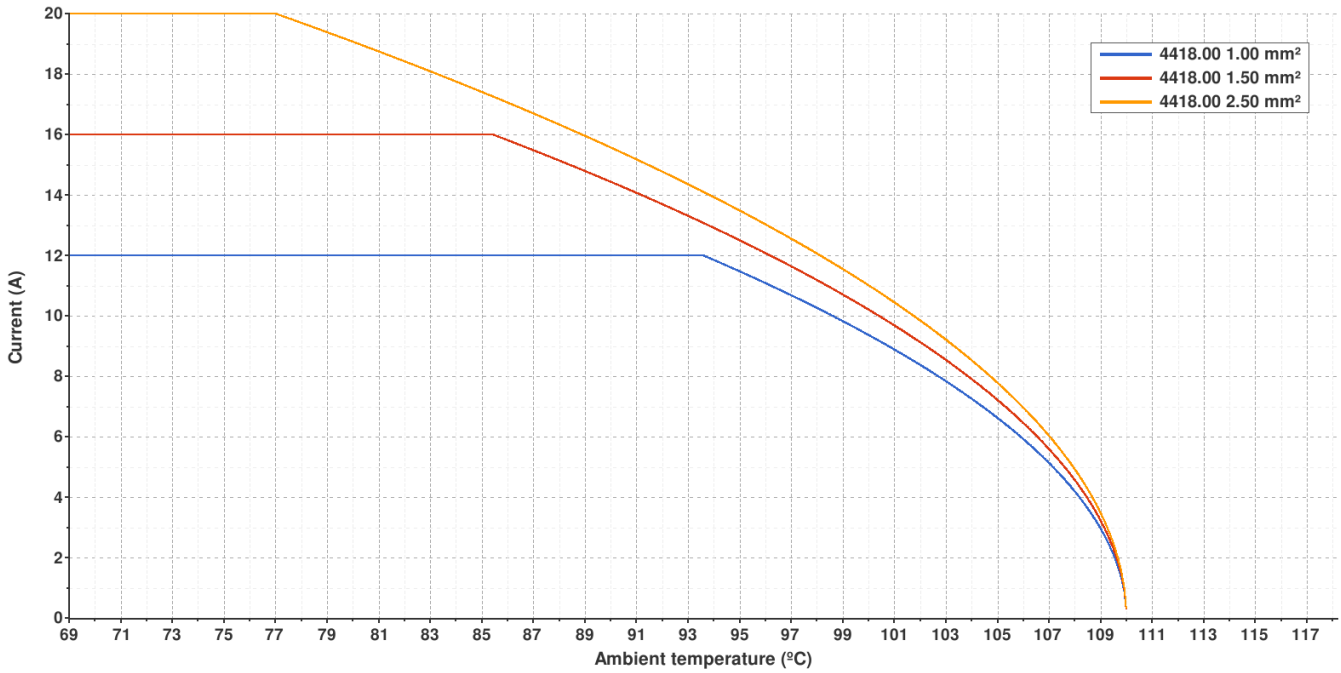
**Drawing**



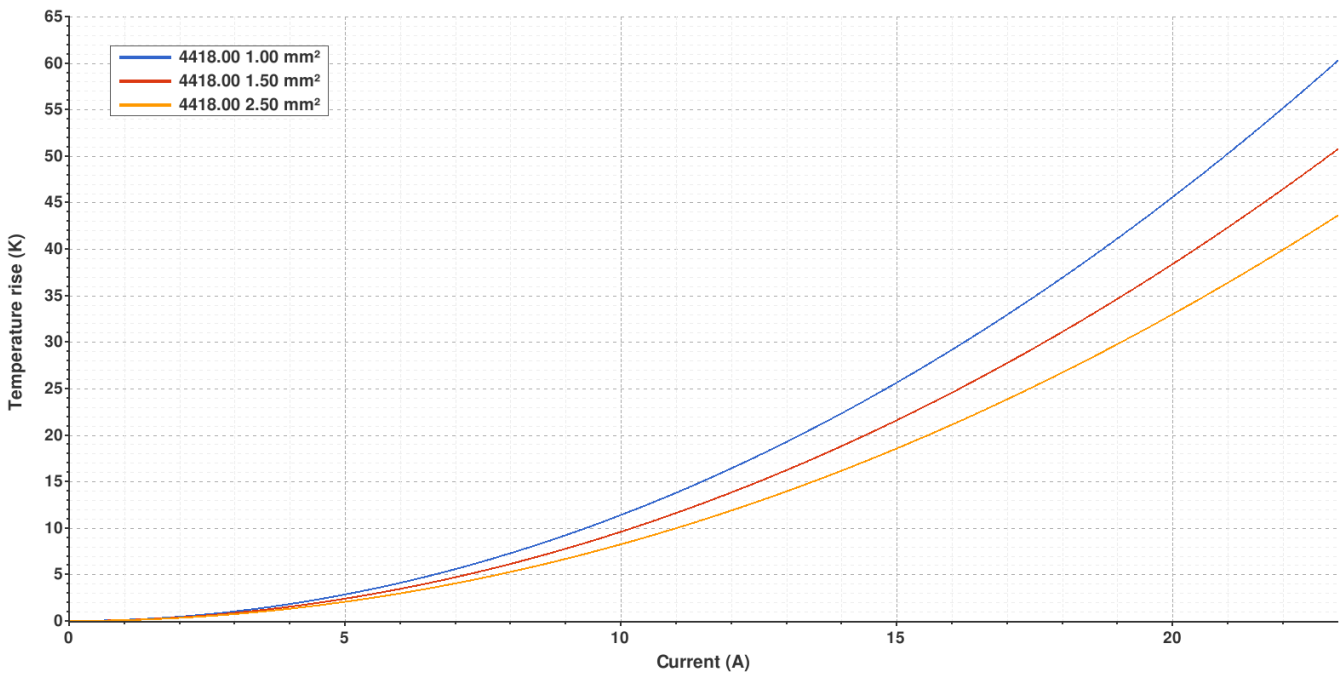
**4418.00 NATURAL BRASS**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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

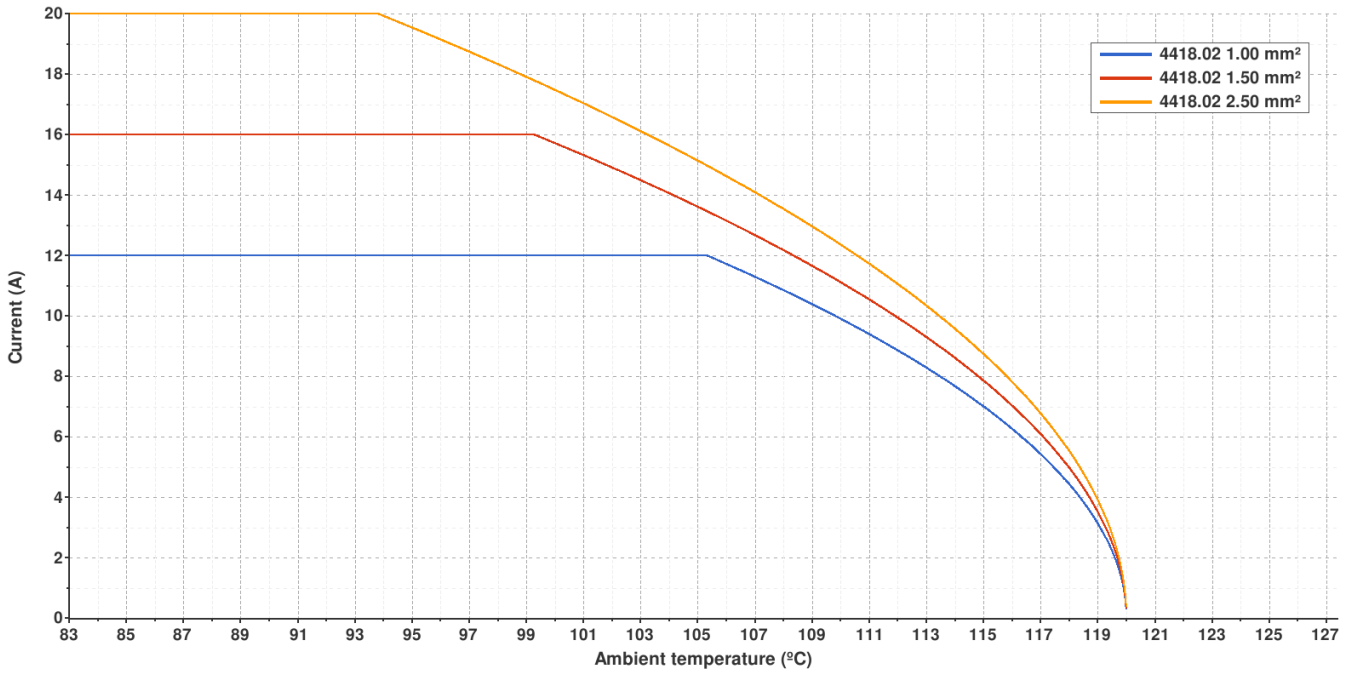


Valid for Natural Brass Tab

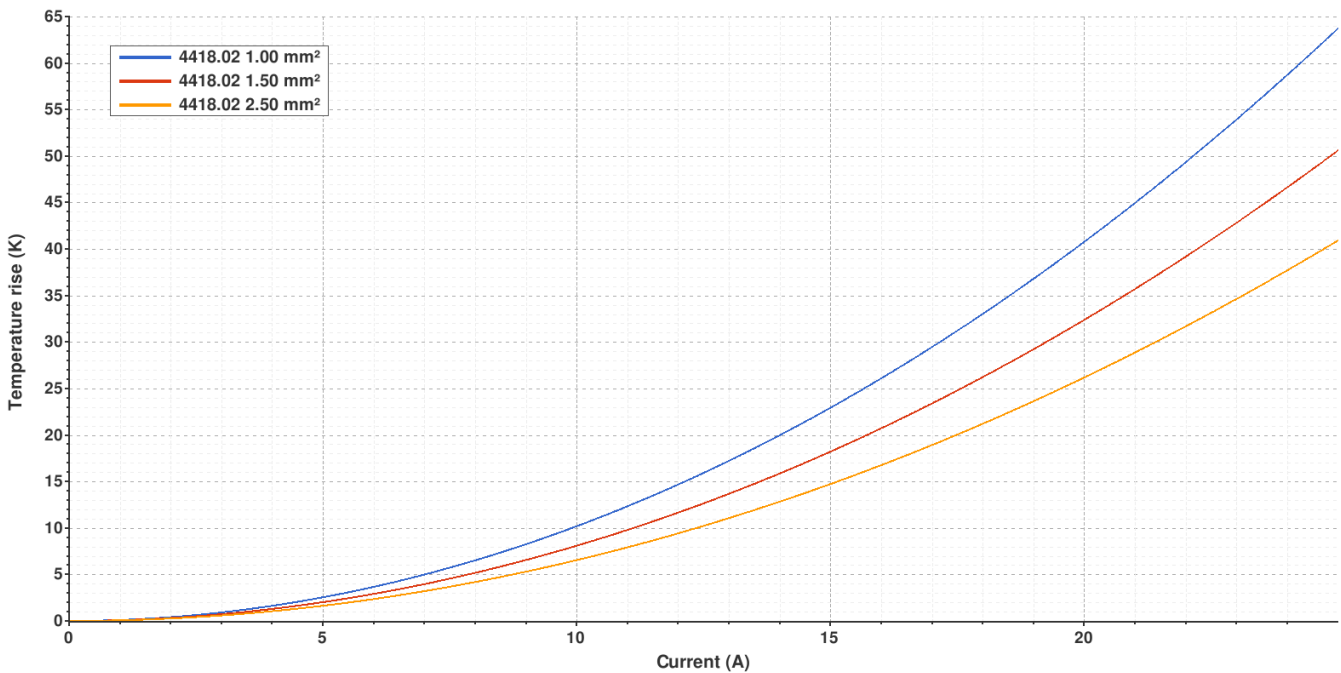
**4418.02 TIN PLATED BRASS**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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

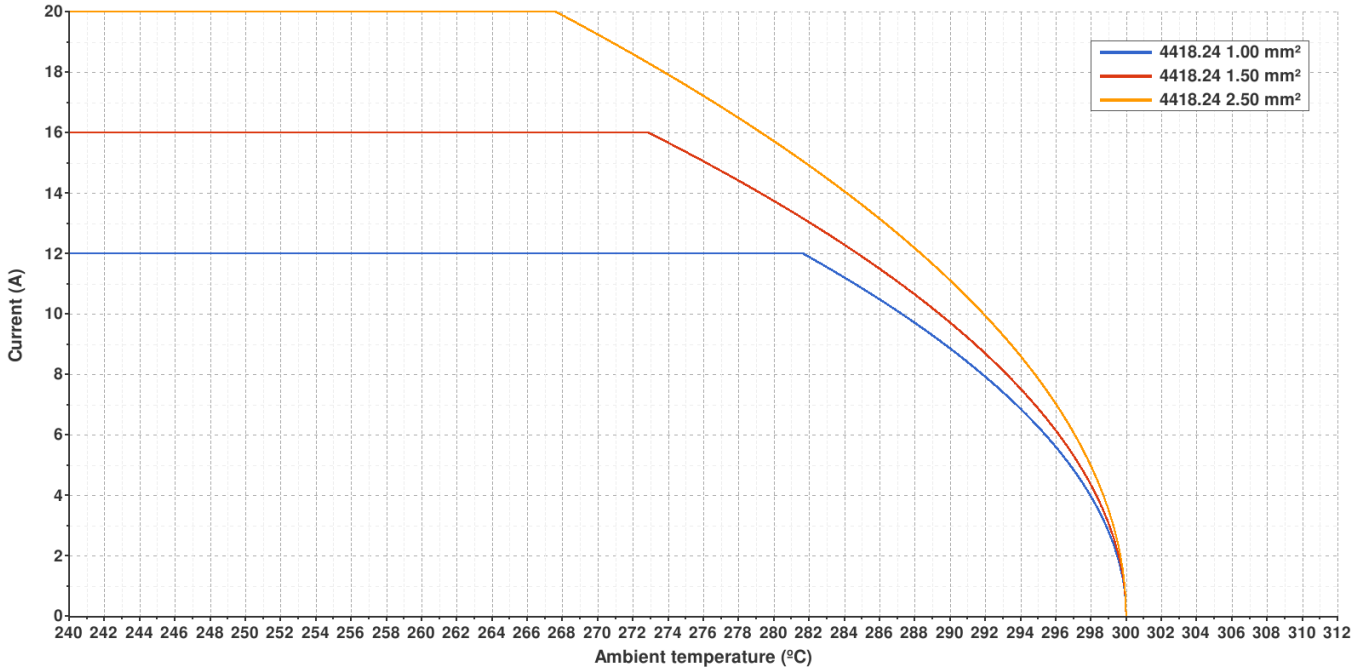


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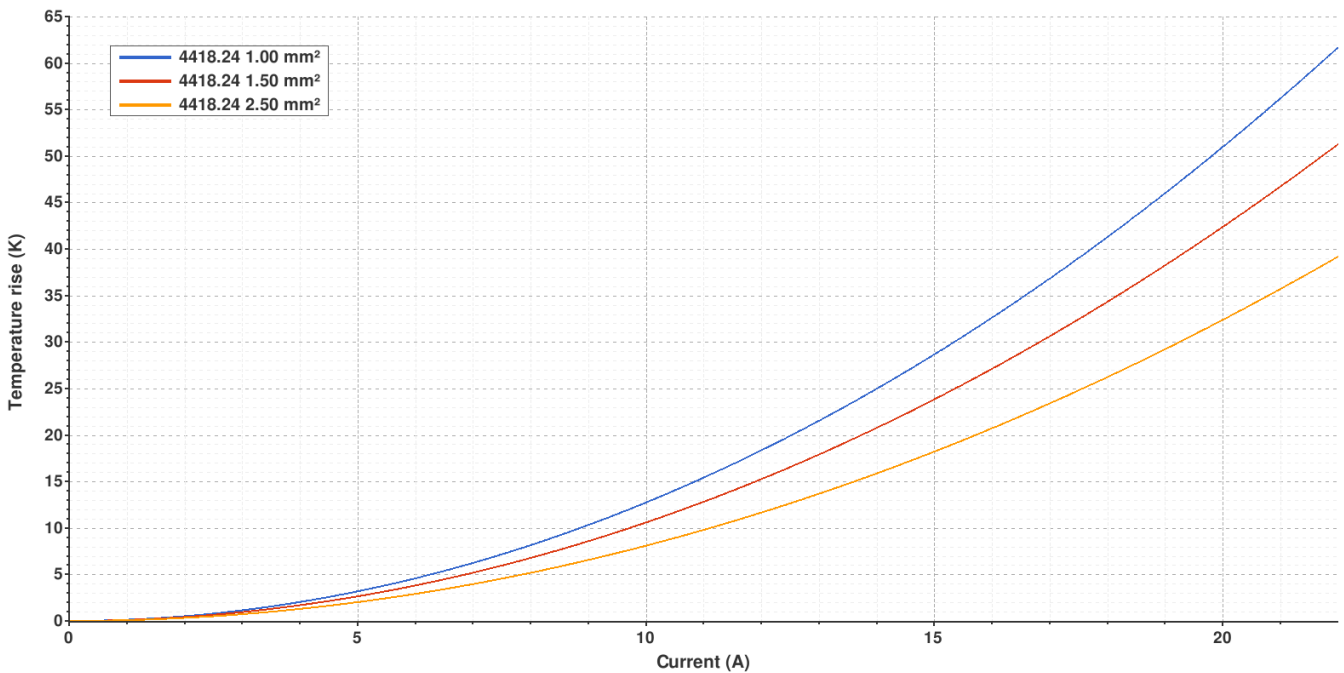
**4418.24 NICKEL-PLATED STEEL**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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

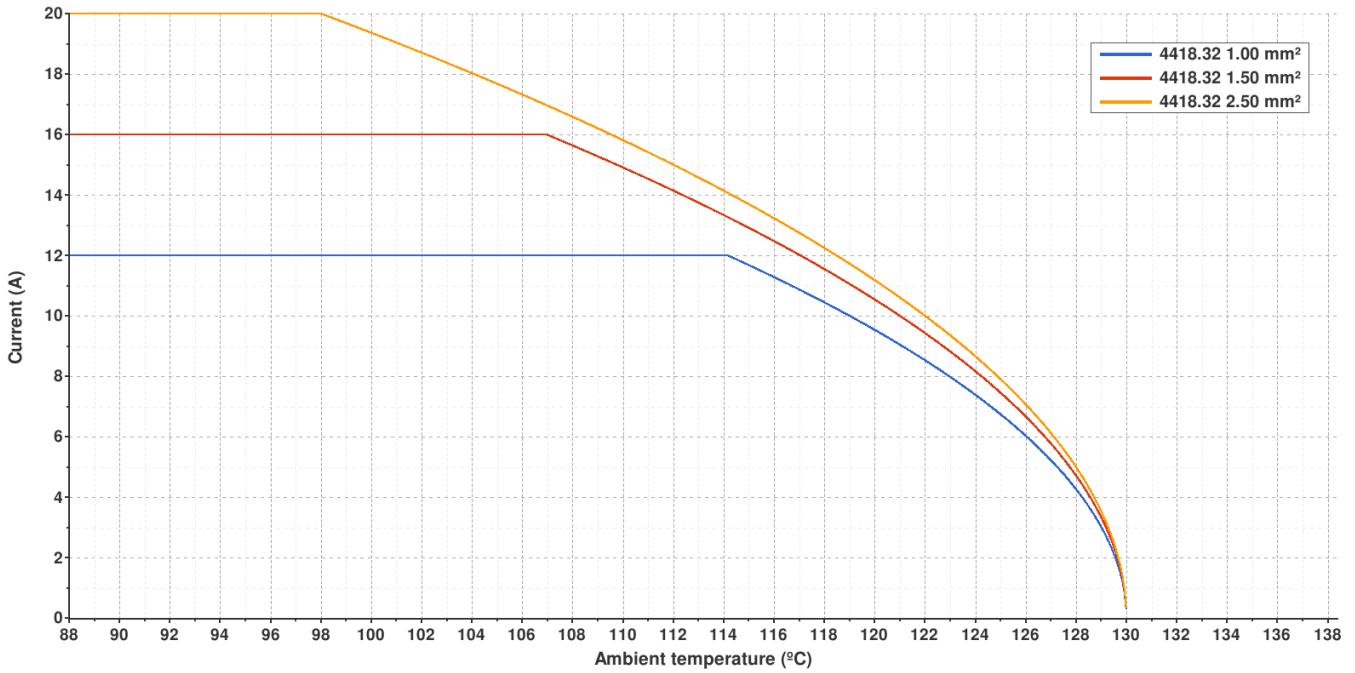


Valid for Natural Brass Tab

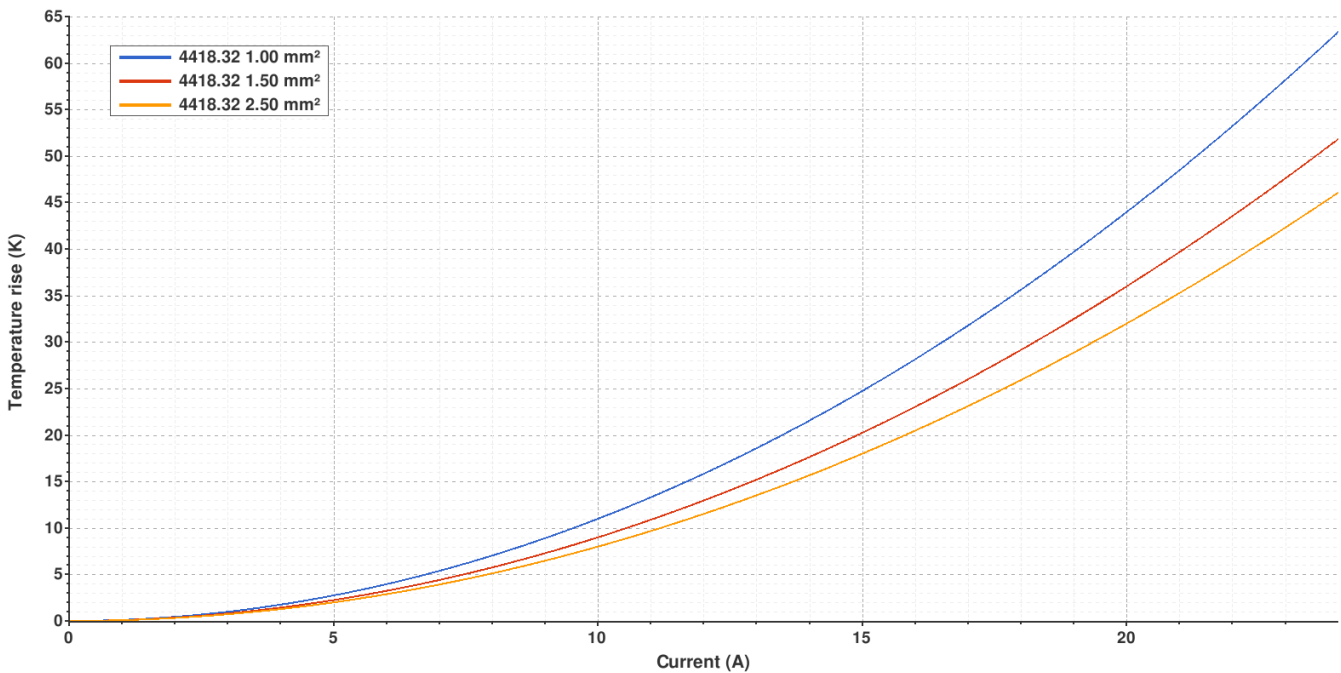
**4418.32 TIN PLATED BRONZE**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



**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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(T.B.D.): To be determined

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A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
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Escubedo Connection Systems, S.A.U. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain  
 Tel.: 34 972 171 706 · Fax: +34 972 171 714 · [info@escubedo.com](mailto:info@escubedo.com) · [www.escubedo.com](http://www.escubedo.com)