



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



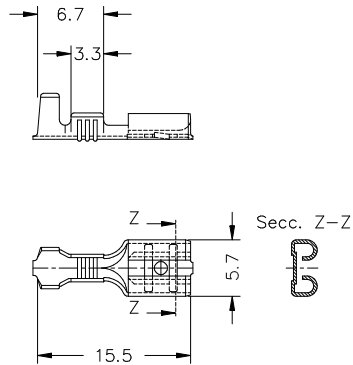
**Approved regulations**

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**

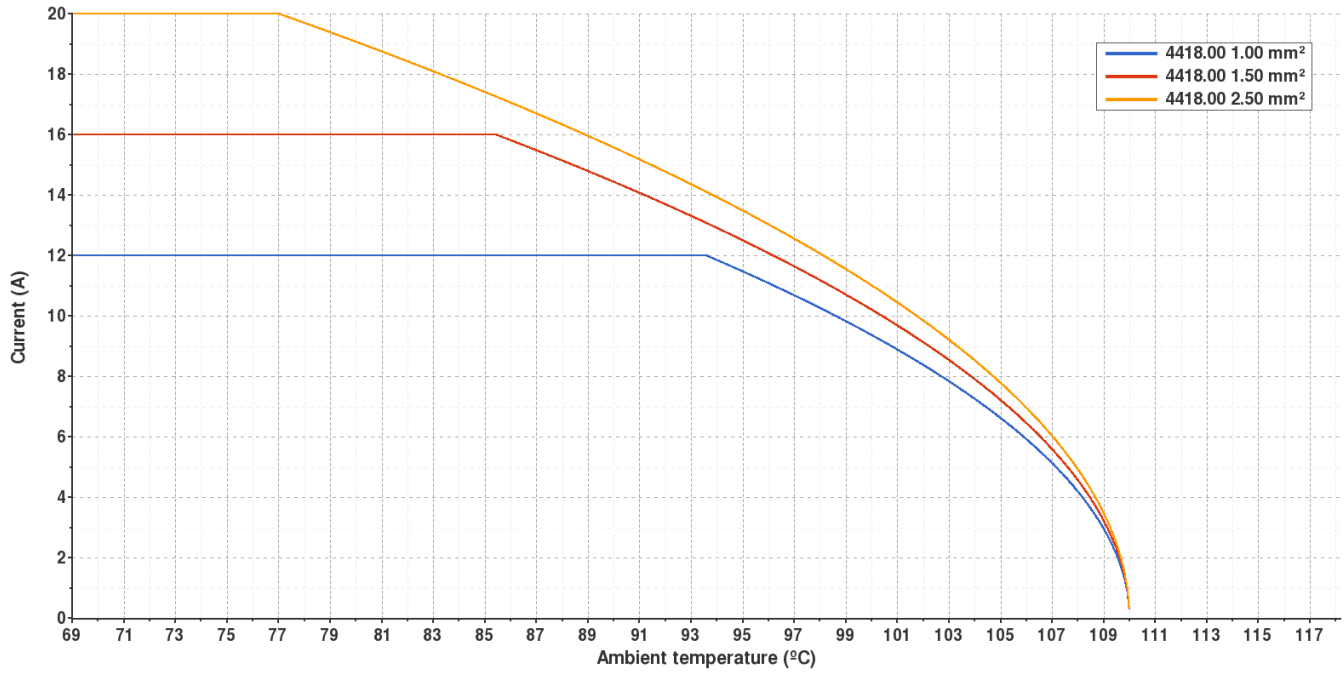




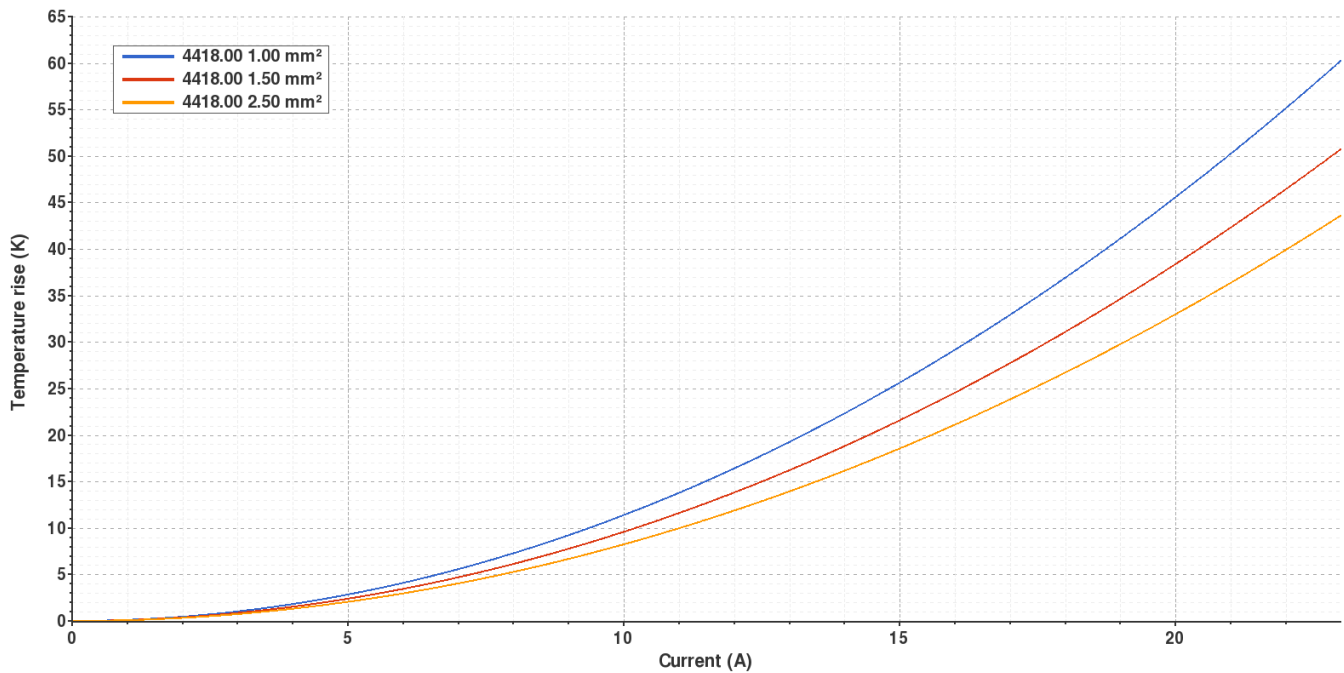
**4418.00 NATURAL BRASS**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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



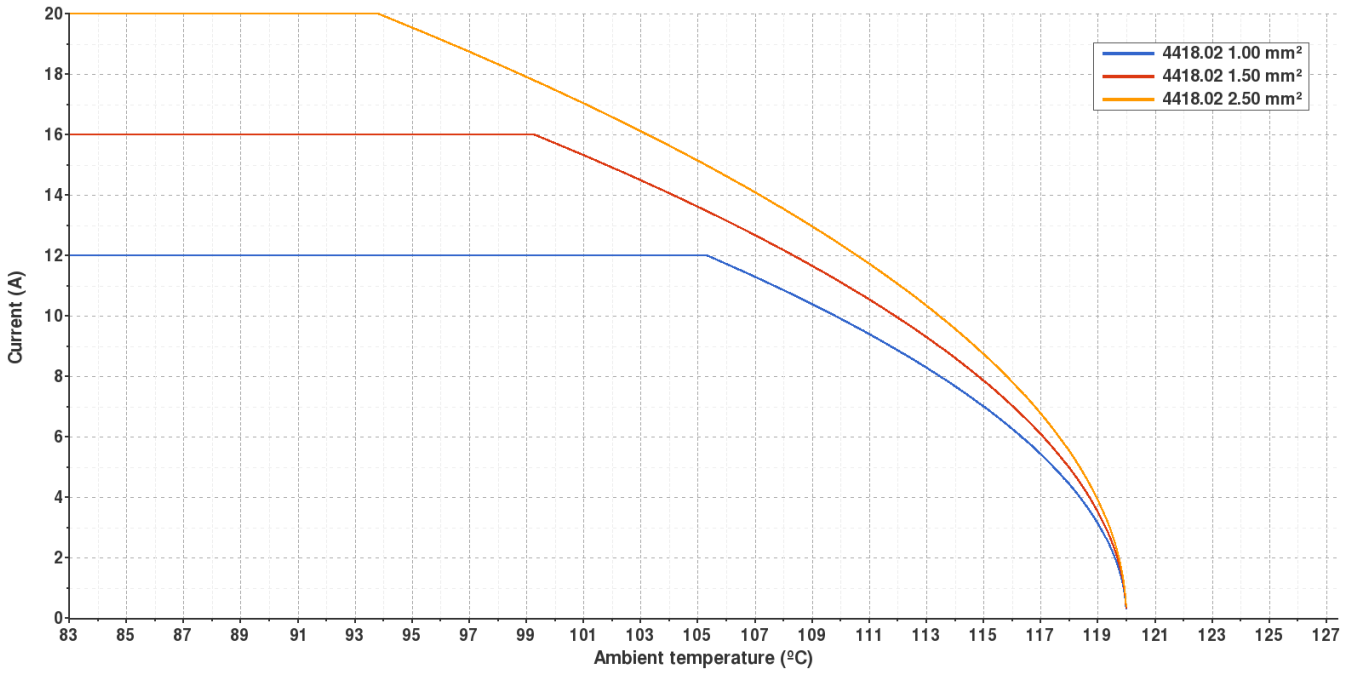
Valid for Natural Brass Tab



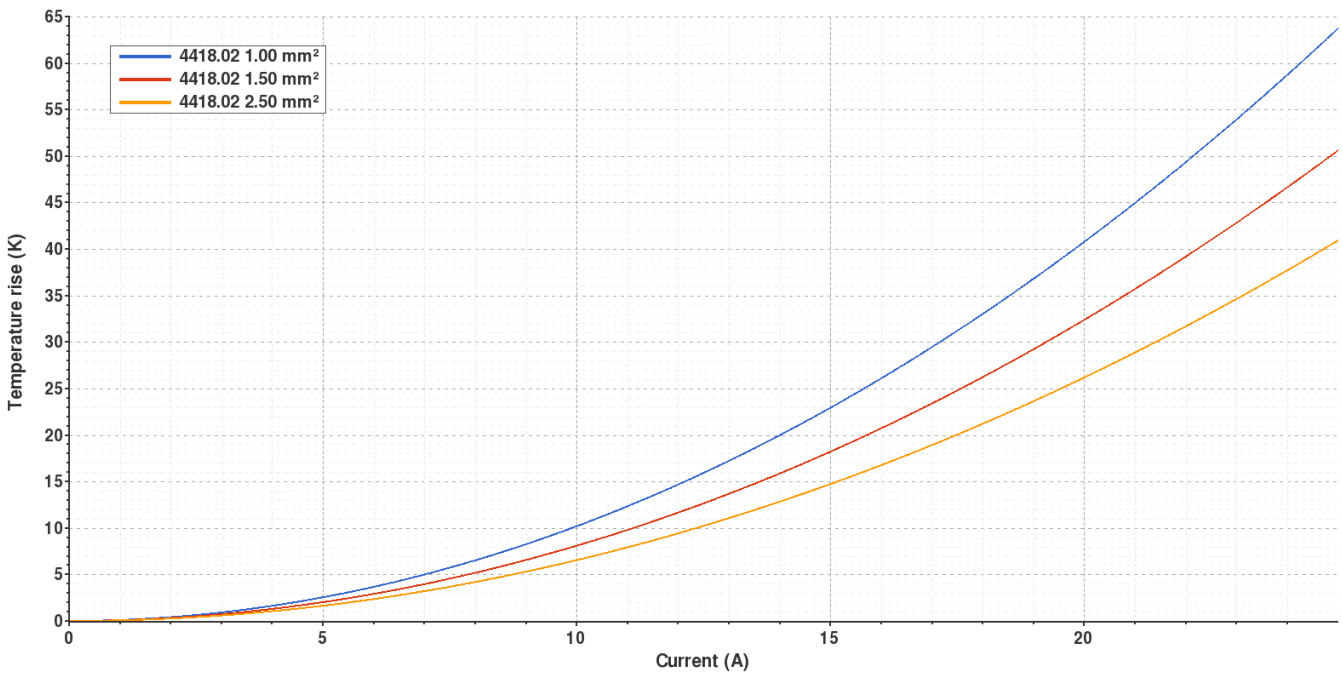
**4418.02 TIN PLATED BRASS**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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



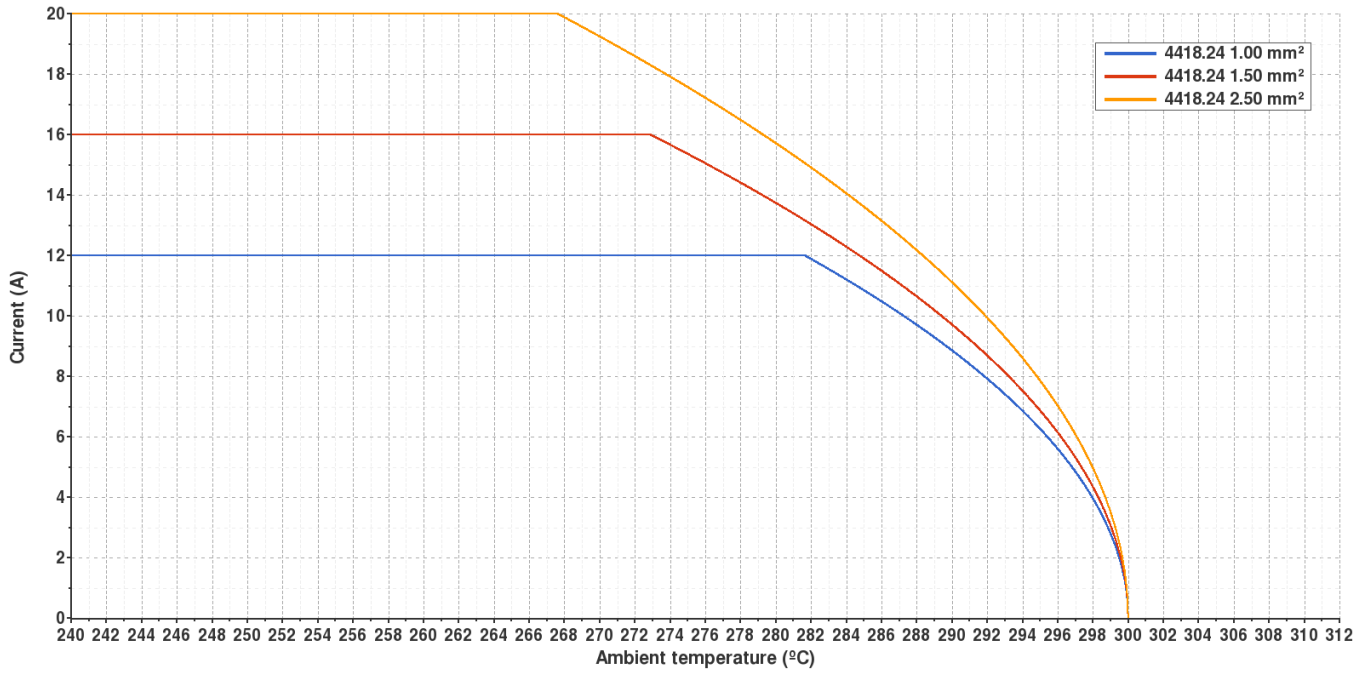
Valid for Natural Brass Tab



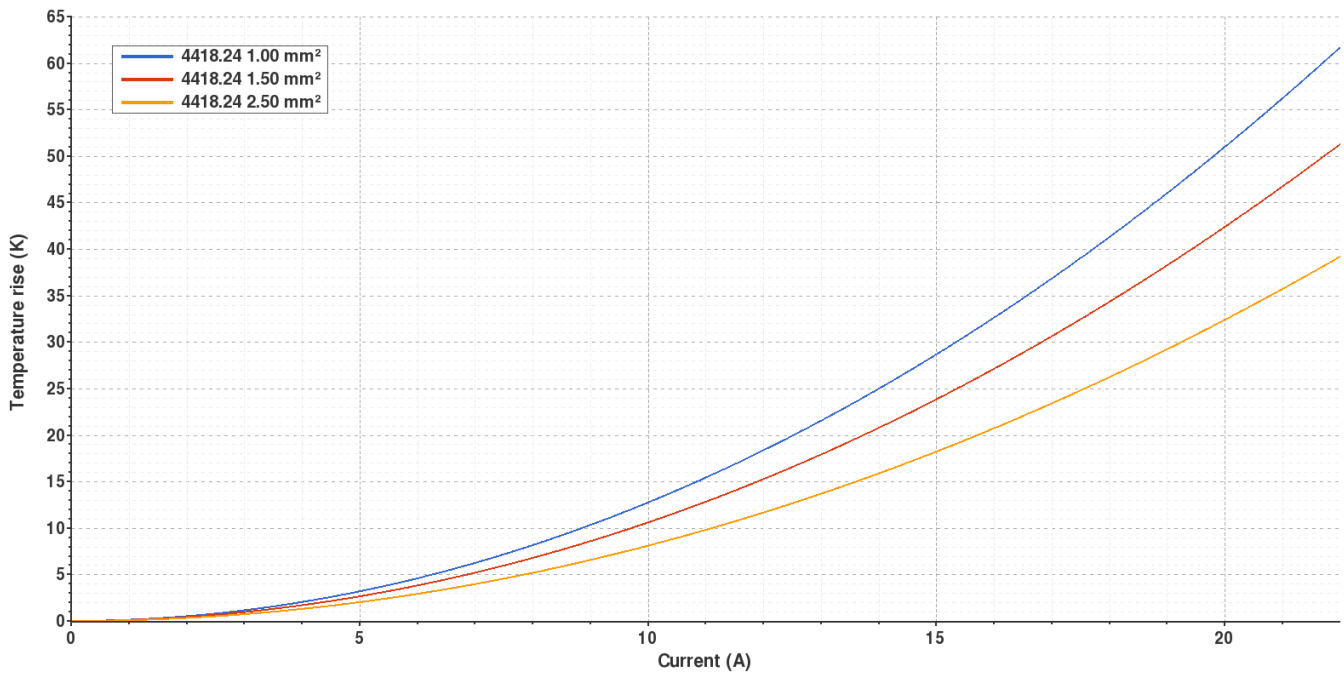
**4418.24 NICKEL-PLATED STEEL**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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



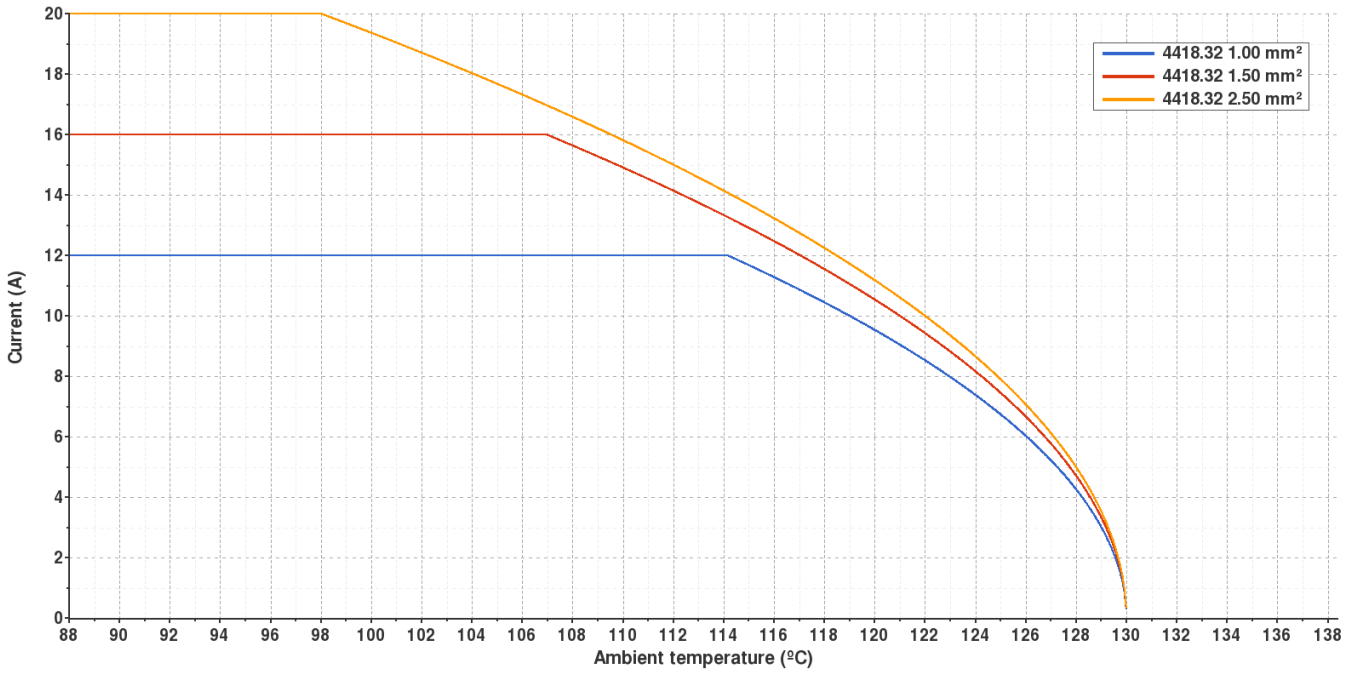
Valid for Natural Brass Tab



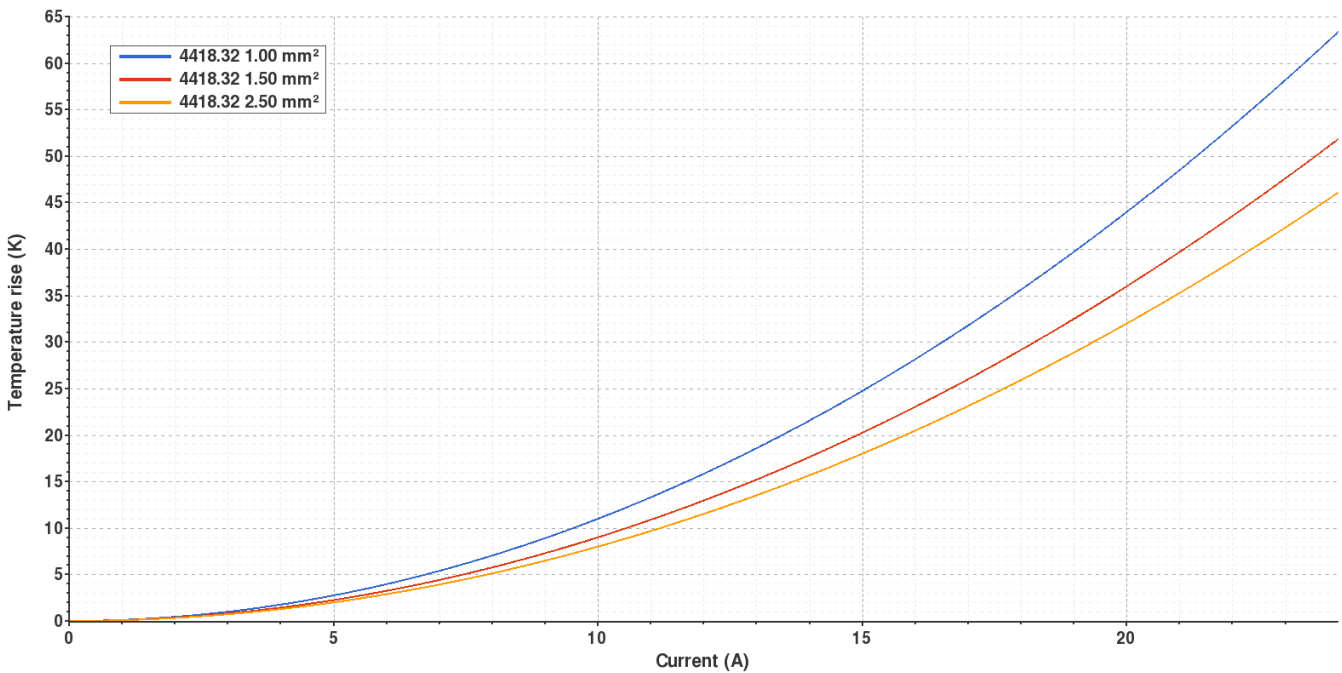
**4418.32 TIN PLATED BRONZE**  
**4.8 (.187) TYPE SERIES · RECEPTACLES**



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



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



Valid for Natural Brass Tab



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



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

**Disclaimer**

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publicised only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us

Rev. Nr.	Concept	Date	Created/Revised	Approved
A1	Datasheet generated automatically [A1]	2019-02-15	Laboratory Dept.	E. Roura

Especialitats Elèctriques Escubedo 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)