



**4834.\*\***  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



**Specification** Low insertion

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

**Wire size mm<sup>2</sup> (AWG)** 2,5-5 (14-10)

**Ø Insulation (mm)** 3,6-5

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)
4834.00	Brass	Natural	110
4834.01	Brass	Pre-tin-plated	120
4834.02	Brass	Tin plated	120
4834.24	Steel	Nickel-plated	300
4834.30	Bronze	Natural	120
4834.31	Bronze	Pre-tin-plated	130
4834.32	Bronze	Tin plated	130
4834.70	German Silver	Natural	210

**Material thickness (mm)** 0,4

**Max. rated current**

Wire section	4834.00 / 01 / 02 / 24 / 30 / 31 / 32 / 70
2.50 mm <sup>2</sup>	20A
3.00 mm <sup>2</sup>	20A
4.00 mm <sup>2</sup>	26A
5.00 mm <sup>2</sup>	26A

**Insertion / Withdrawal forces**


	4834.00 / 30 / 70	4834.01 / 02 / 24 / 31 / 32
1st Insertion (max)	35N <sup>1</sup>	35N <sup>1</sup>
1st Withdrawal (max)	60N <sup>1</sup>	60N <sup>1</sup>
1st Withdrawal (min)	27N <sup>1</sup>	22N <sup>1</sup>
6th Withdrawal (min)	22N <sup>1</sup>	18N <sup>1</sup>

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

**Application tool** MN4834

**Wire strip length** 5.5 (±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>	1.85 (±0.05)	4.05 (±0.05)	5.52 (±0.10)	230N @ 60s
3.00 mm <sup>2</sup>	1.95 (±0.05)	4.05 (±0.05)	5.52 (±0.10)	≥ 250N
4.00 mm <sup>2</sup>	2.15 (±0.05)	4.08 (±0.05)	5.53 (±0.10)	310N @ 60s
5.00 mm <sup>2</sup>	2.35 (±0.05)	4.10 (±0.05)	5.55 (±0.10)	≥ 350N
14 AWG	2.30 (±0.05)	4.10 (±0.05)	(T.B.D.)	223N @ 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** 6000

**Compatible connectors** 26314\*\*



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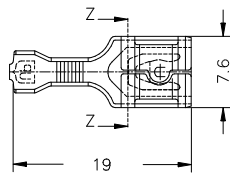
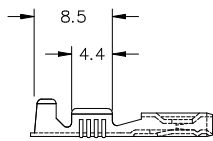
**Approved regulations**

Part nr.	Approval	Standard	File	Certified framework
4834.00	UL	UL 310	E211727	AWG 14-10 (41-105 Stranded Cu) / MN4834
4834.01	UL	UL 310	E211727	AWG 14-10 (41-105 Stranded Cu) / MN4834
4834.01	VDE	EN 61210	5000955-1433-0001 / 17165 / F310 / GRE	2,5 ... 4,0mm <sup>2</sup> . 120°C max
4834.24	UL	UL 310	E211727	AWG 14-14 (41-41 Stranded Cu) / MN4834
4834.24	VDE	EN 61210	5000955-1433-0001 / 17166 / F310 / GRE	2,5 ... 4,0mm <sup>2</sup> . 200°C max

**Approvals**



**Drawing**



Secc. Z-Z

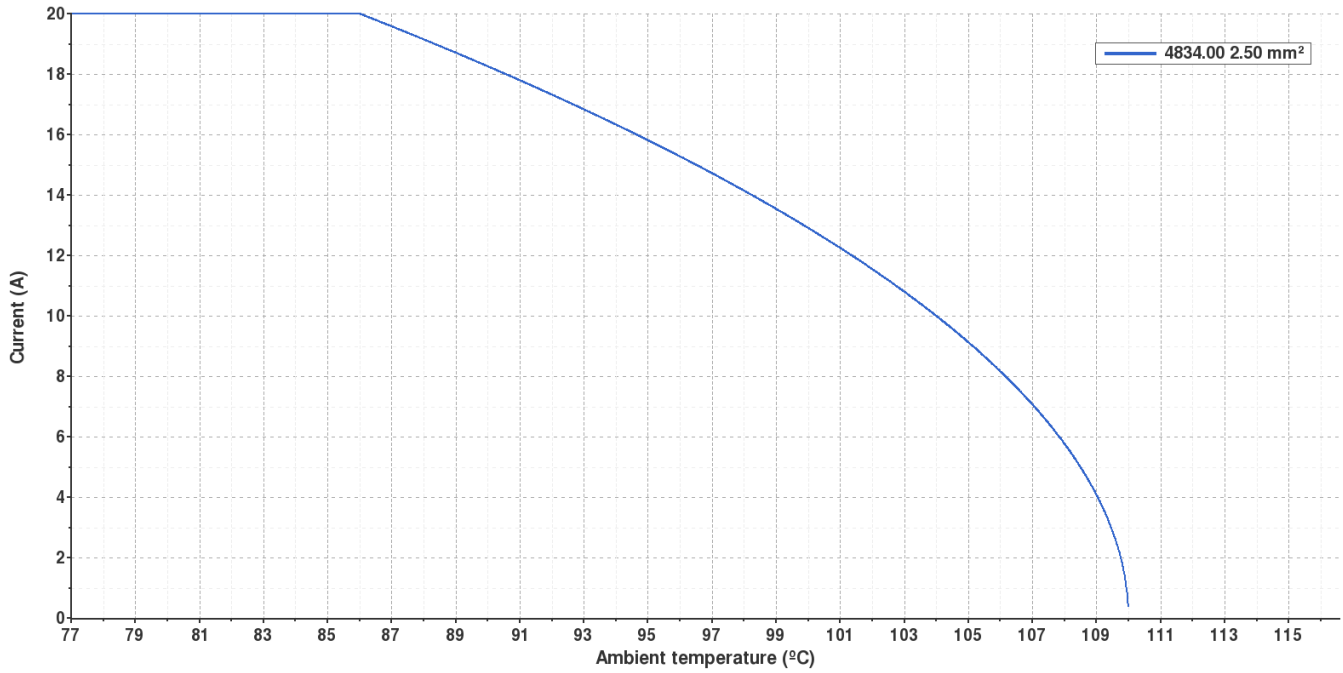




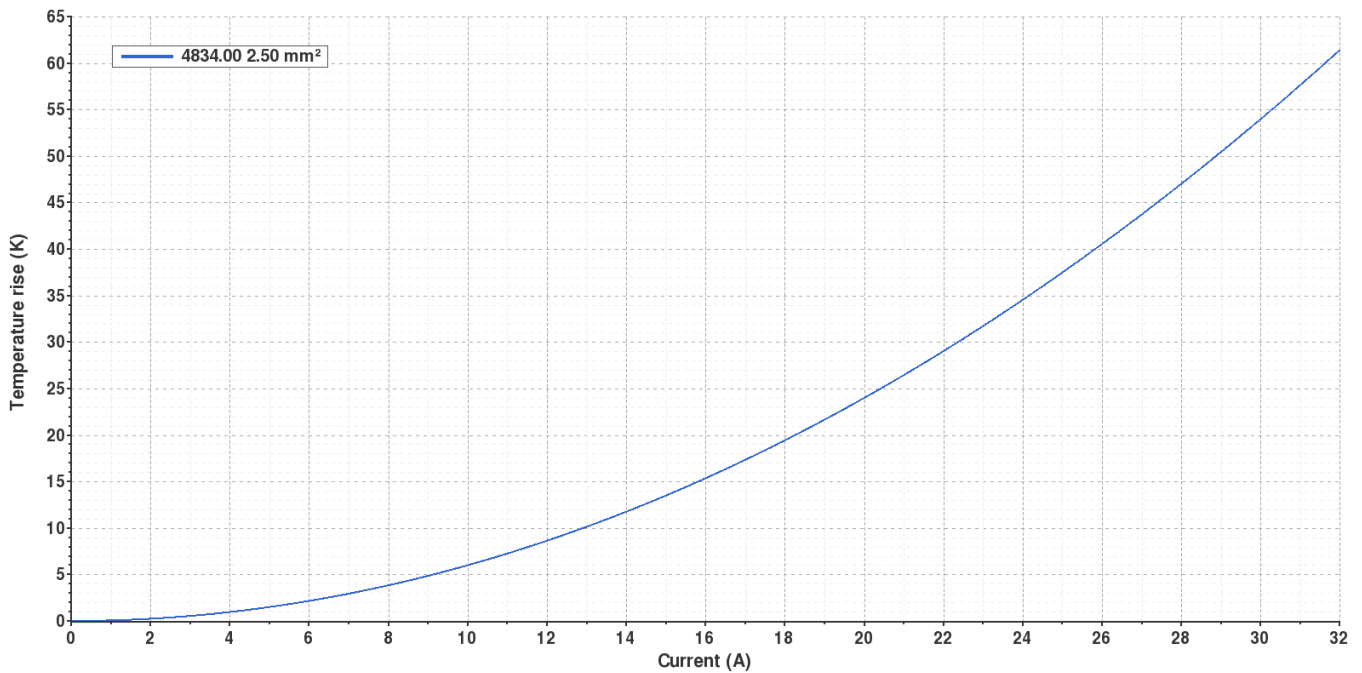
**4834.00 NATURAL BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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



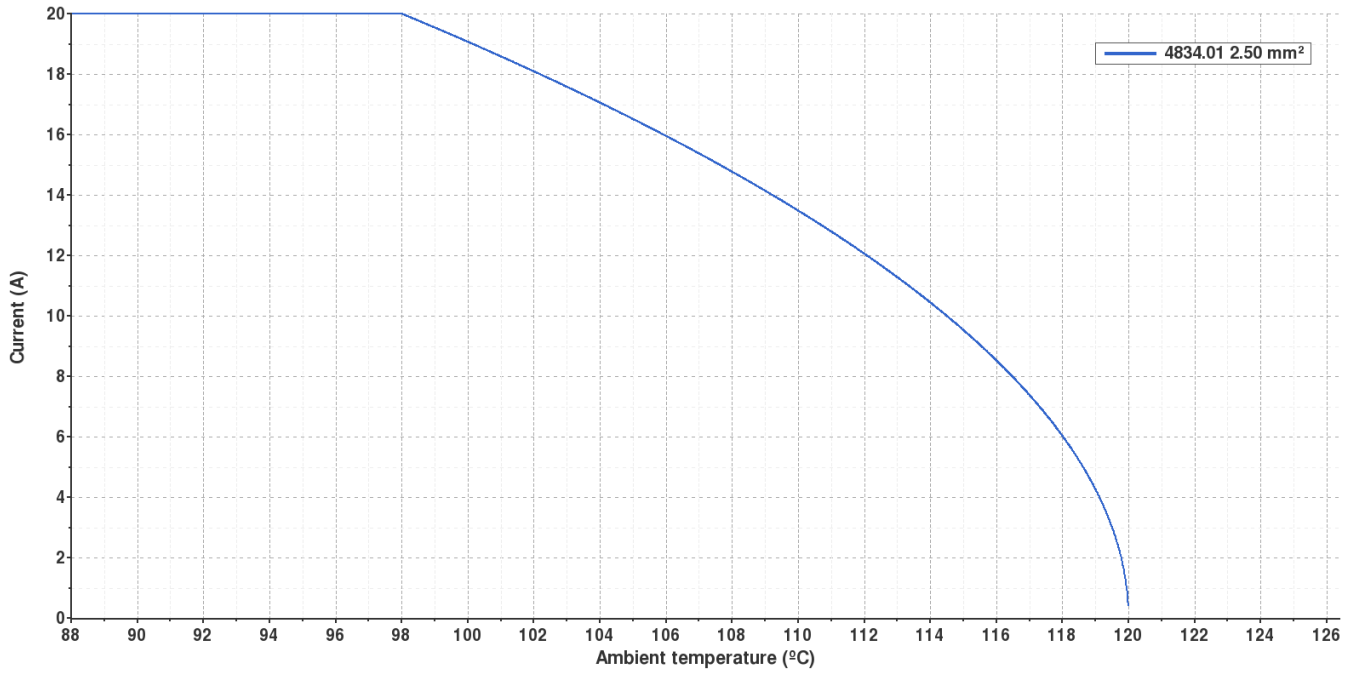
Valid for Natural Brass Tab



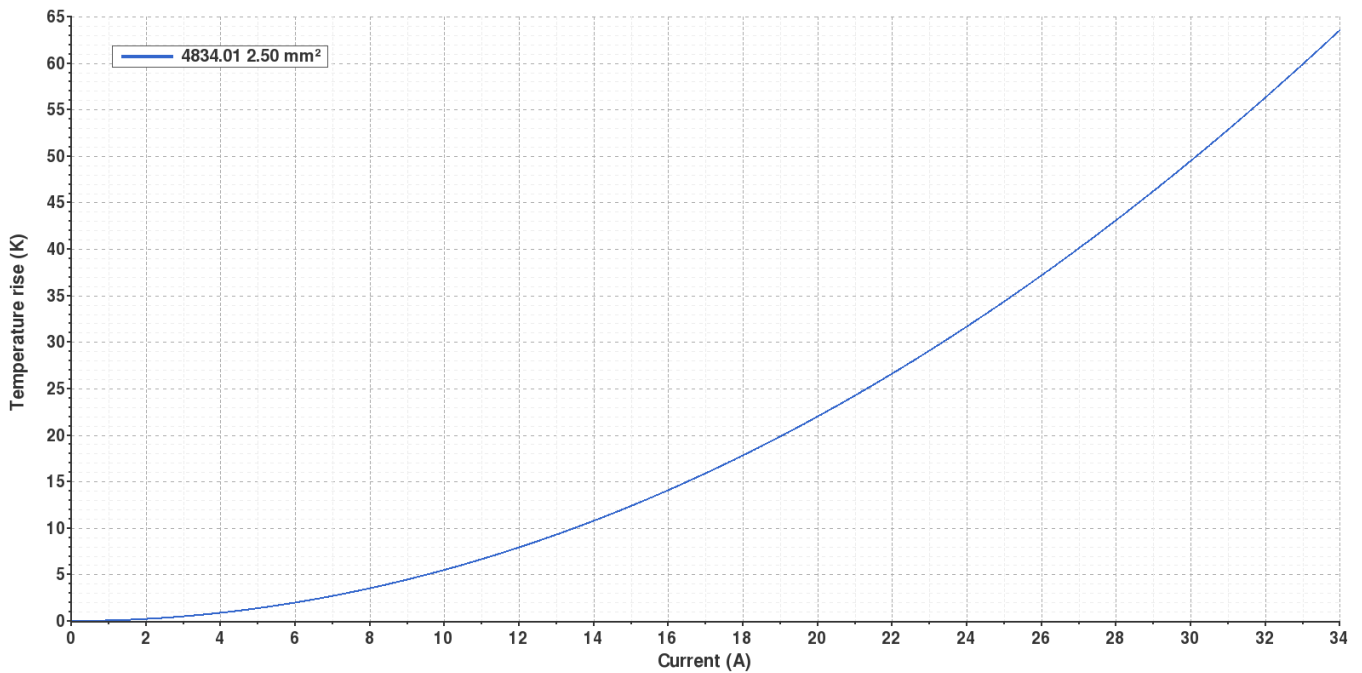
**4834.01 PRE-TIN-PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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



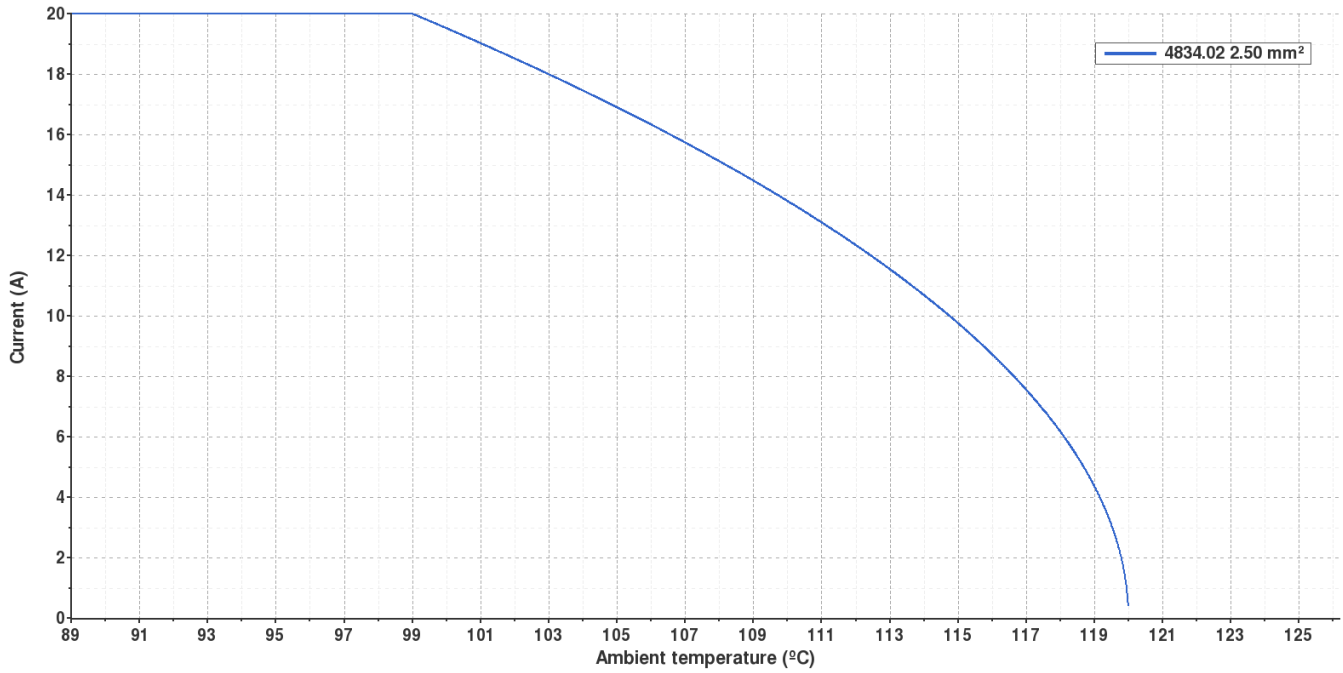
Valid for Natural Brass Tab



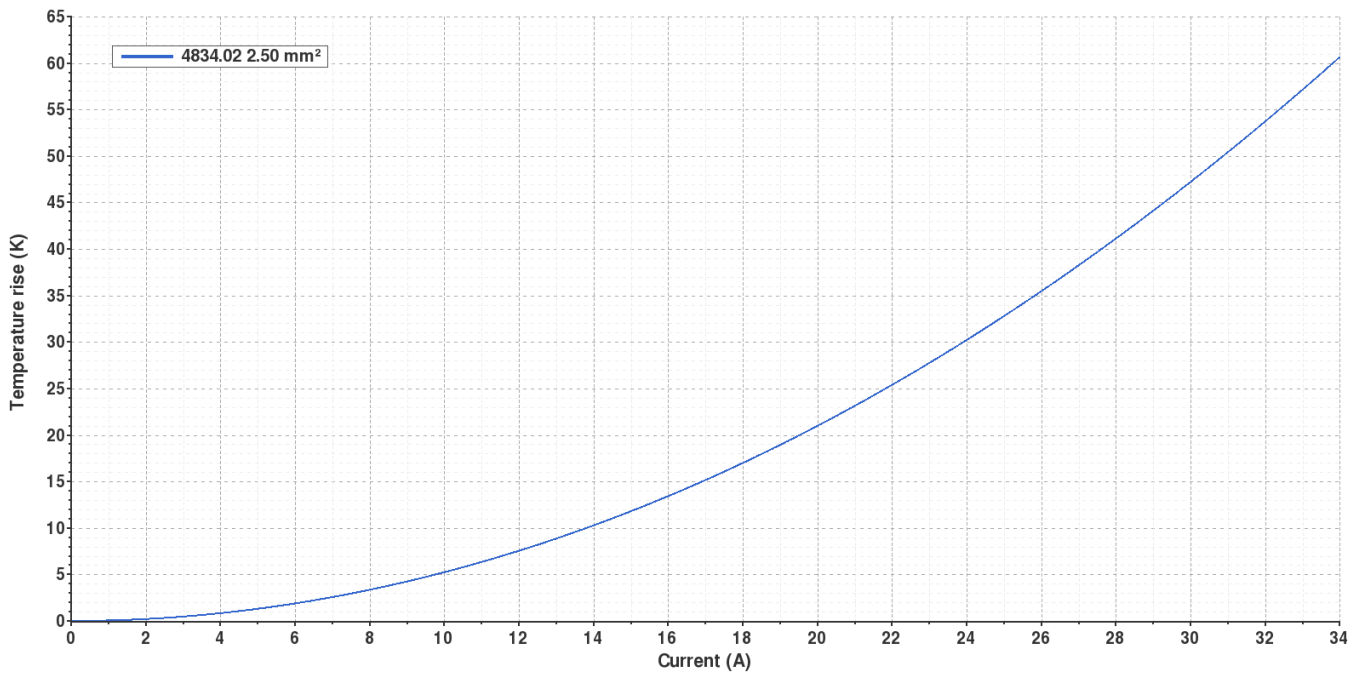
**4834.02 TIN PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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



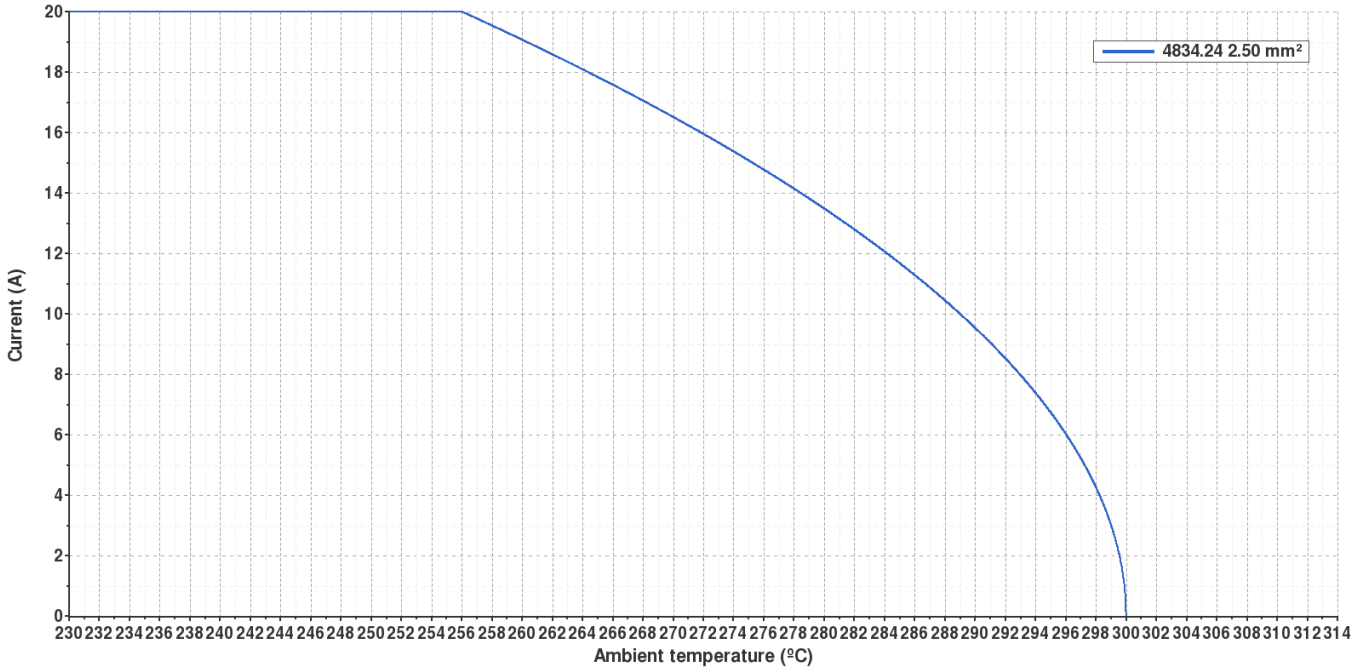
Valid for Natural Brass Tab



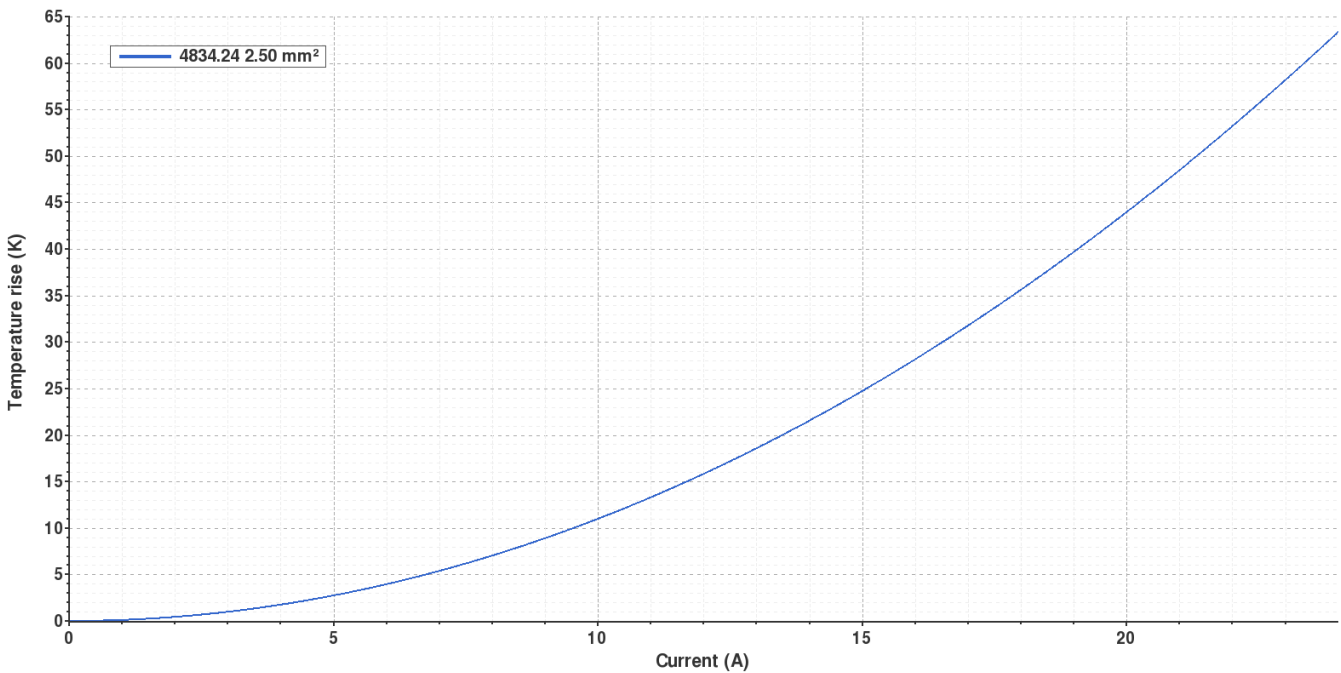
**4834.24 NICKEL-PLATED STEEL**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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



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

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update de-rating curve (2.50mm <sup>2</sup> )	2020-03-10	Laboratory dept.	E. Roura
A2	VDE regulation; 4834.24, max. temperature: 200°C	2020-03-10	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-12-11	Laboratory Dept.	E. Roura