

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



Specification Low insertion

For male (mm) 6,3x0,8

Wire size mm² (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 ²	20A
3.00 mm ²	20A
4.00 mm ²	26A
5.00 mm ²	26A

Insertion / Withdrawal forces


	4834.00 / 30 / 70	4834.01 / 02 / 24 / 31 / 32
1st Insertion (max)	35N ¹	35N 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 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 ²	1.85 (±0.05)	4.05 (±0.05)	5.52 (±0.10)	230N @ 60s
3.00 mm ²	1.95 (±0.05)	4.05 (±0.05)	5.52 (±0.10)	≥ 250N
4.00 mm ²	2.15 (±0.05)	4.08 (±0.05)	5.53 (±0.10)	310N @ 60s
5.00 mm ²	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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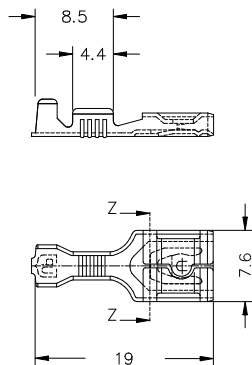
Approved regulations

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 ² . 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 ² . 200°C max

Approvals



Drawing



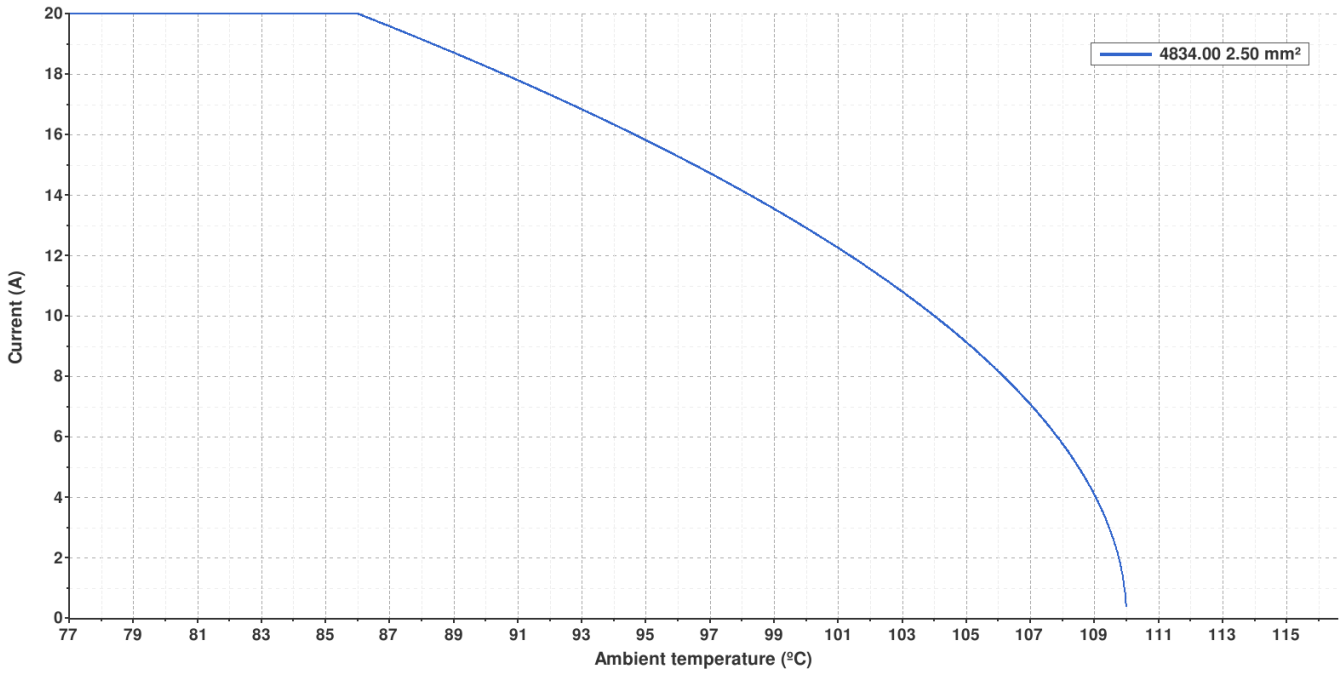
Secc. Z-Z



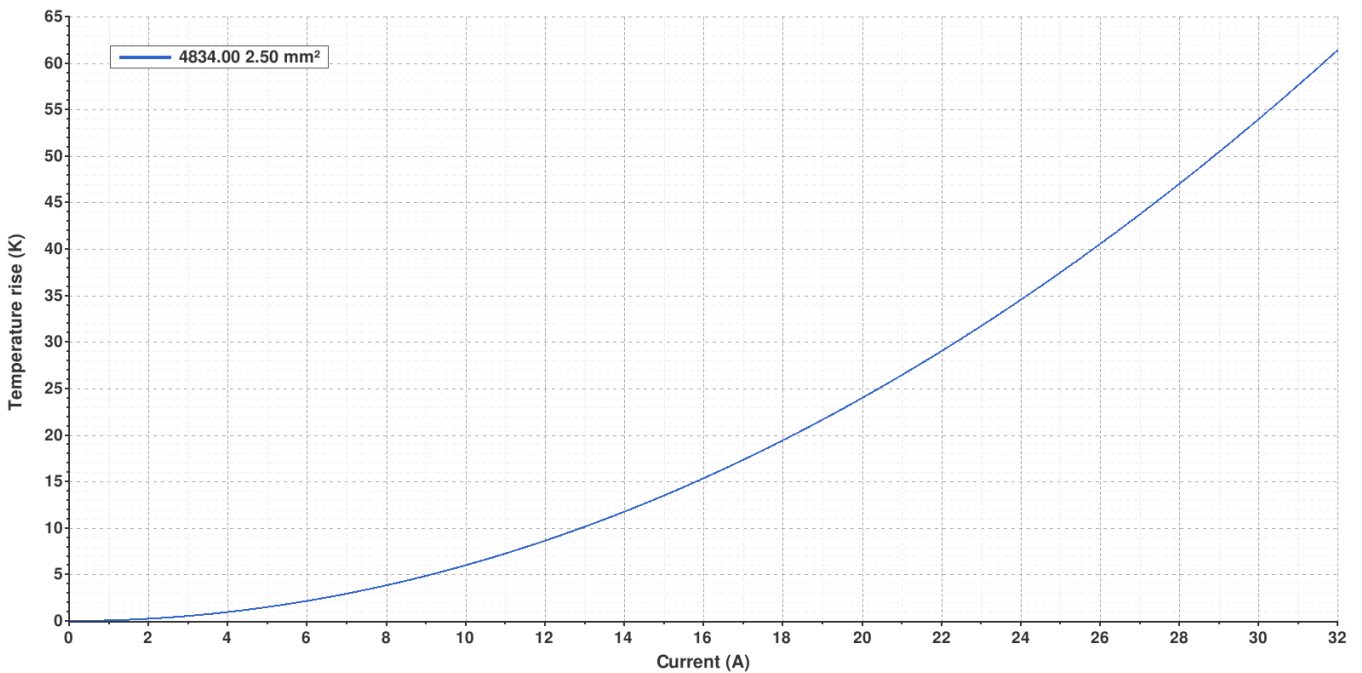
4834.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

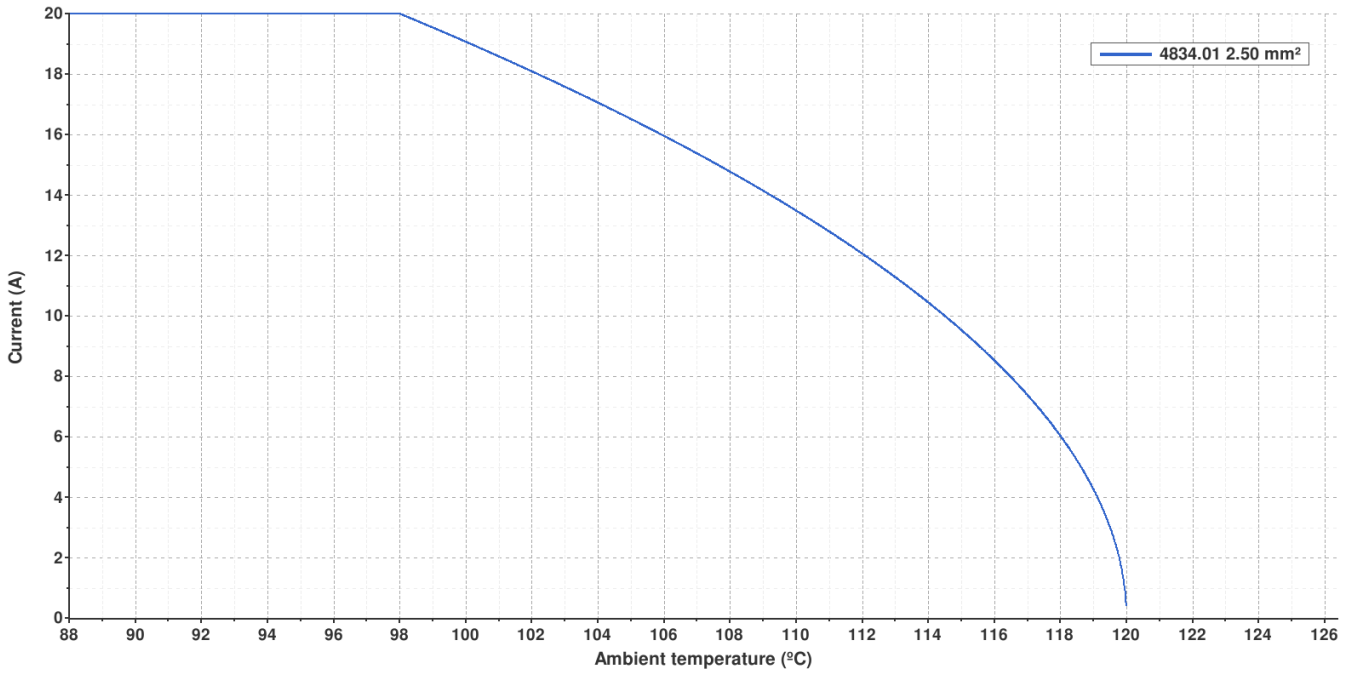


Valid for Natural Brass Tab

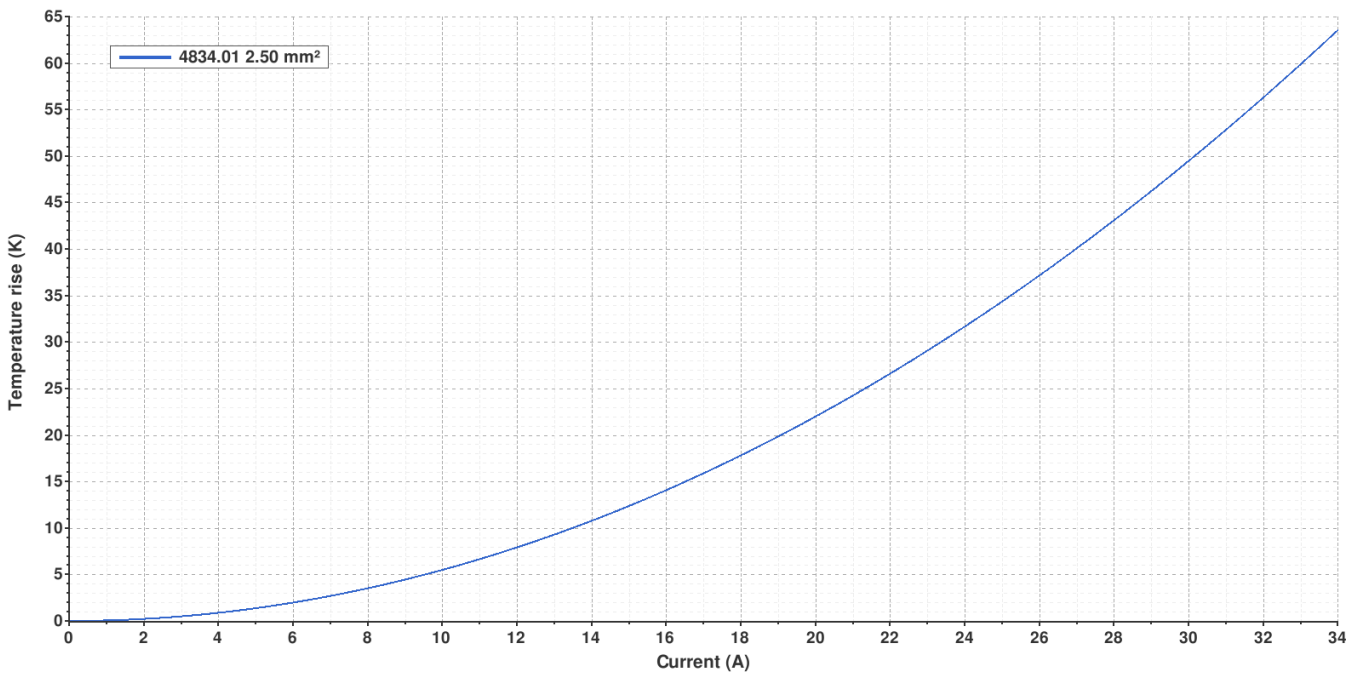
4834.01 PRE-TIN-PLATED BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

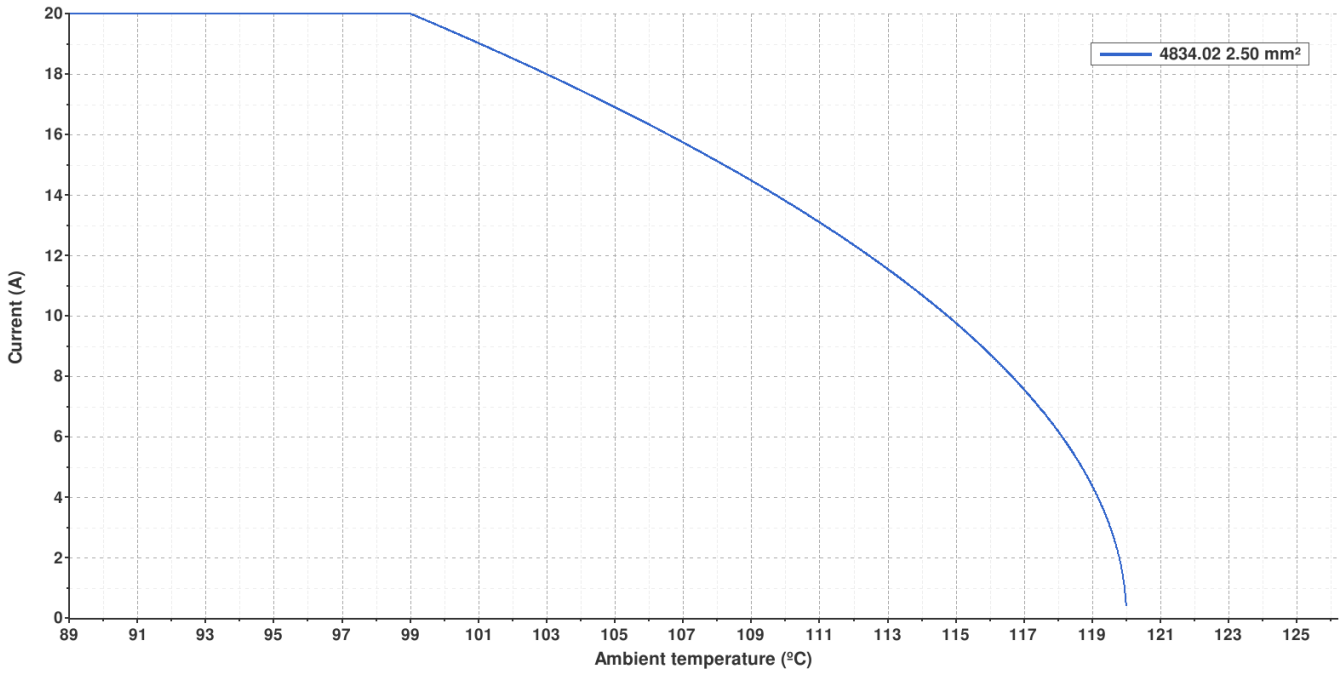


Valid for Natural Brass Tab

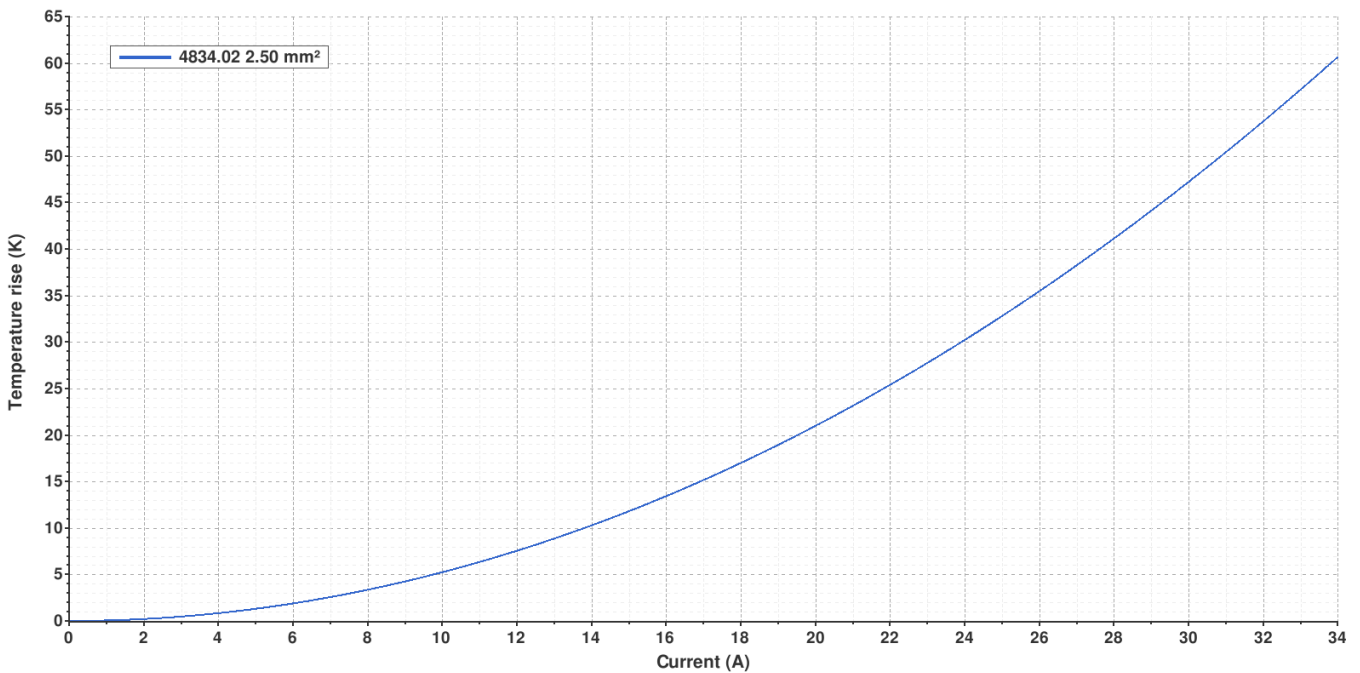
4834.02 TIN PLATED BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

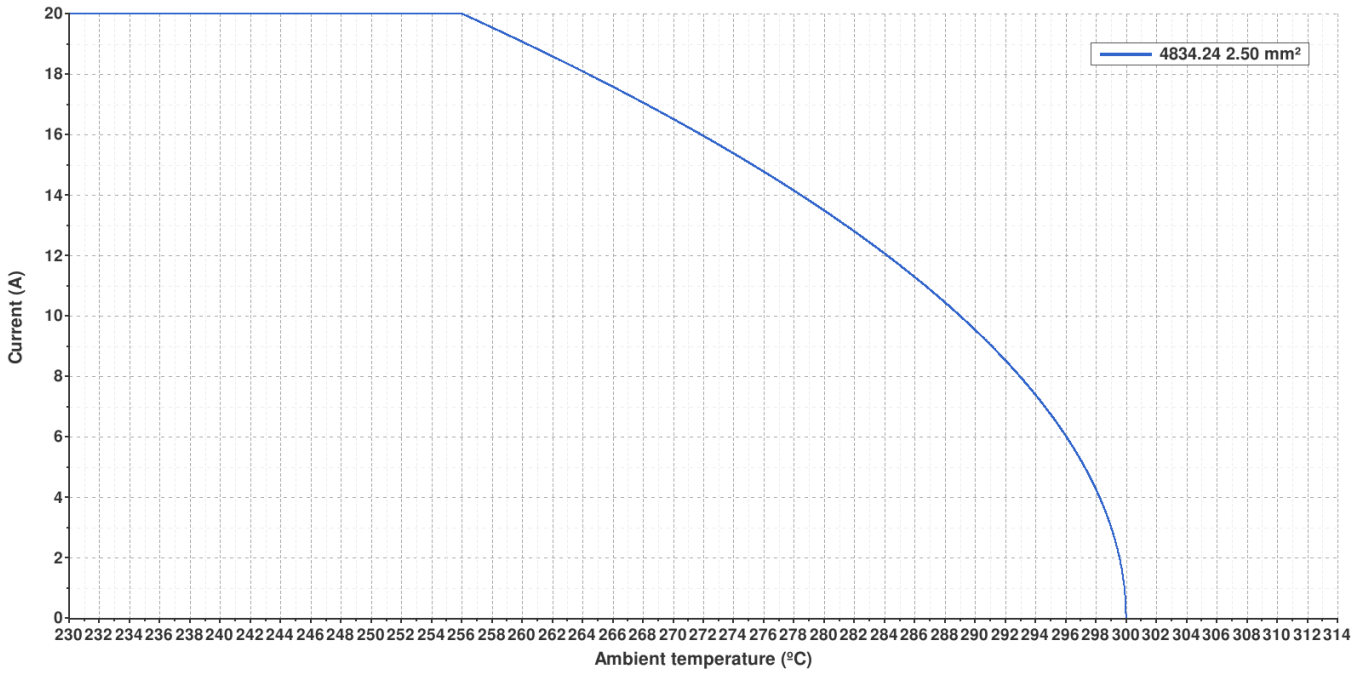


Valid for Natural Brass Tab

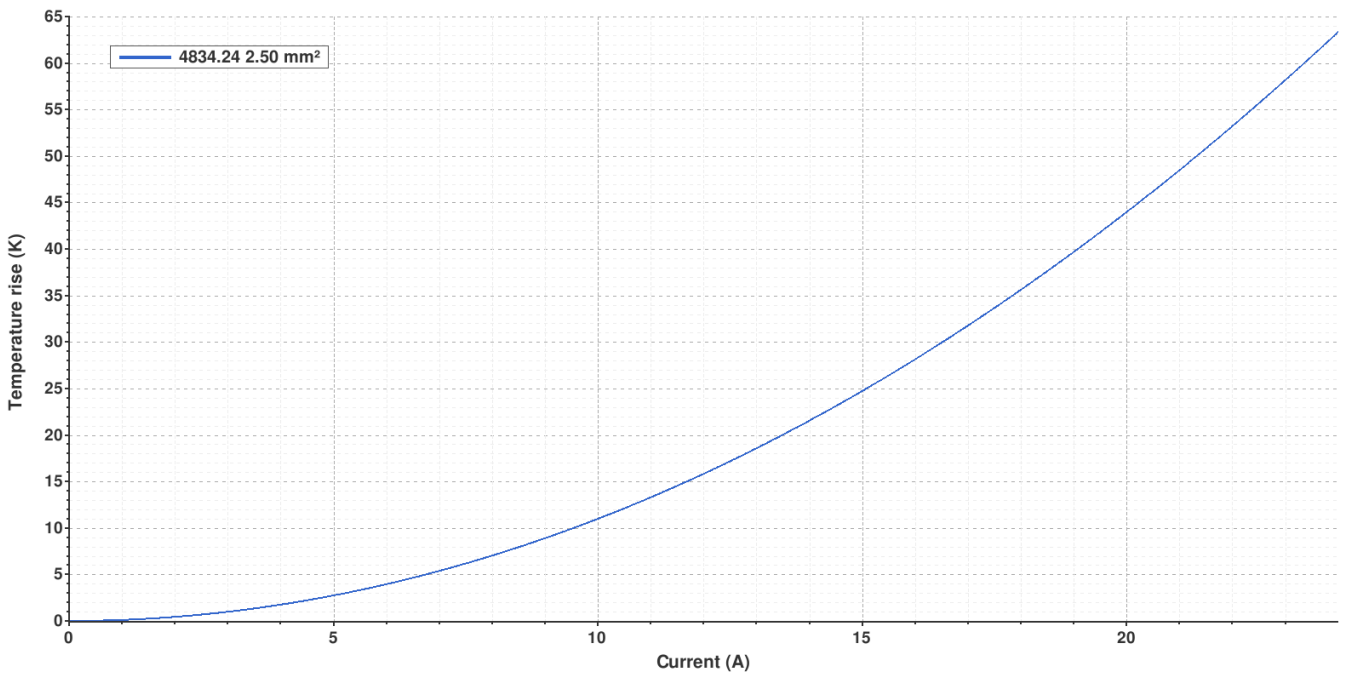
4834.24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A4	Change company name and logo	2021-10-21	Laboratory dept.	E. Roura
A3	Update de-rating curve (2.50mm ²)	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

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