

## 4833.\*\* 6.3 (.250) TYPE SERIES · RECEPTACLES



<b>Specification</b>	Low insertion
<b>For male (mm)</b>	6,3x0,8
<b>Wire size mm<sup>2</sup> (AWG)</b>	0,2-0,6 (24-20)
<b>Ø Insulation (mm)</b>	1,4-2,1

### Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4833.00	Brass	Natural	110	0.80
4833.01	Brass	Pre-tin-plated	120	0.60
4833.02	Brass	Tin plated	120	0.65
4833.24	Steel	Nickel-plated	300	2.50
4833.30	Bronze	Natural	120	1.00
4833.31	Bronze	Pre-tin-plated	130	0.70
4833.32	Bronze	Tin plated	130	0.75
4833.70	German Silver	Natural	210	3.00

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

### Max. rated current

Wire section	4833.00 / 01 / 02 / 24 / 30 / 31 / 32 / 70
0.25 mm <sup>2</sup>	(T.B.D.)
0.35 mm <sup>2</sup>	(T.B.D.)
0.50 mm <sup>2</sup>	8A
0.60 mm <sup>2</sup>	8A

### Insertion / Withdrawal forces


	4833.00 / 30 / 70	4833.01 / 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** MN4833

**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)	
0.20 mm <sup>2</sup>	1.20 (±0.03)	2.05 (±0.03)	3.04 (±0.10)	28N @ 60s
0.35 mm <sup>2</sup>	1.25 (±0.03)	2.06 (±0.03)	3.05 (±0.10)	40N @ 60s
0.50 mm <sup>2</sup>	1.30 (±0.03)	2.06 (±0.03)	3.06 (±0.10)	56N @ 60s
0.60 mm <sup>2</sup>	1.35 (±0.05)	2.07 (±0.05)	3.08 (±0.10)	56N @ 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** 8000

**Compatible connectors** 26314\*\*

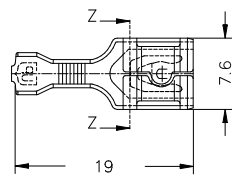
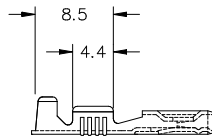
**4833.\*\***  
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**Approvals**



**Drawing**



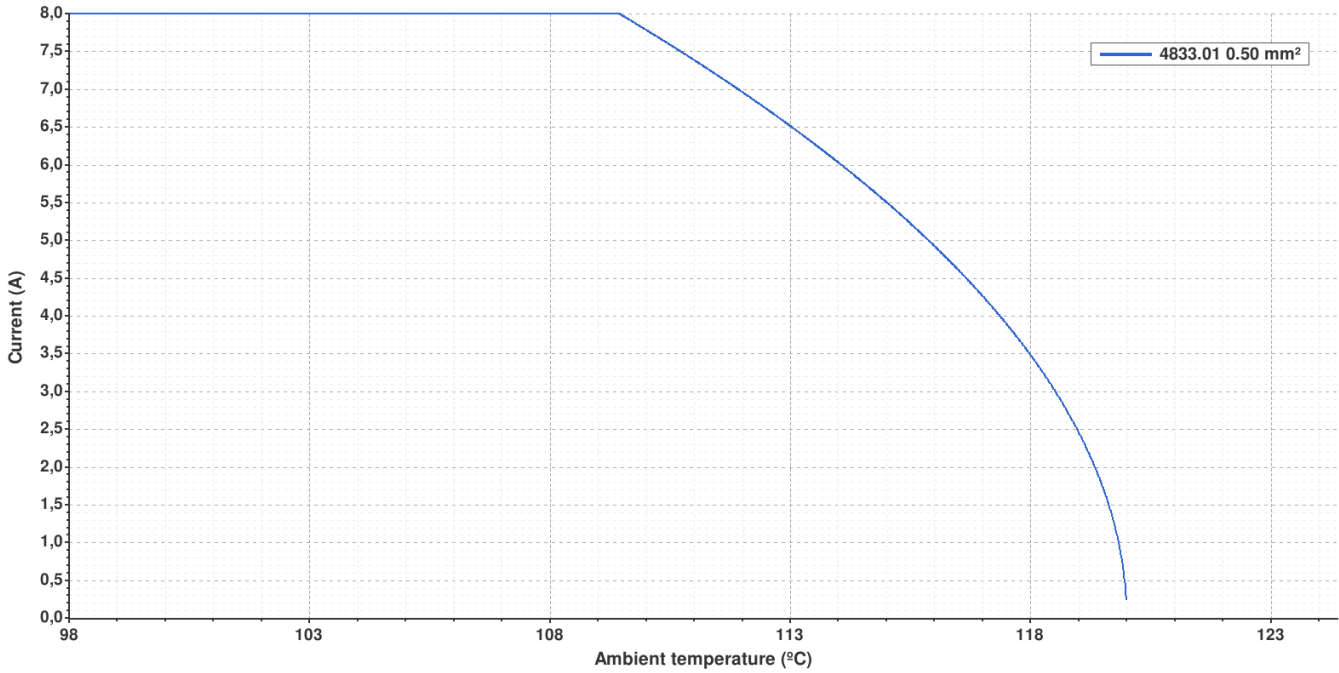
Secc. Z-Z



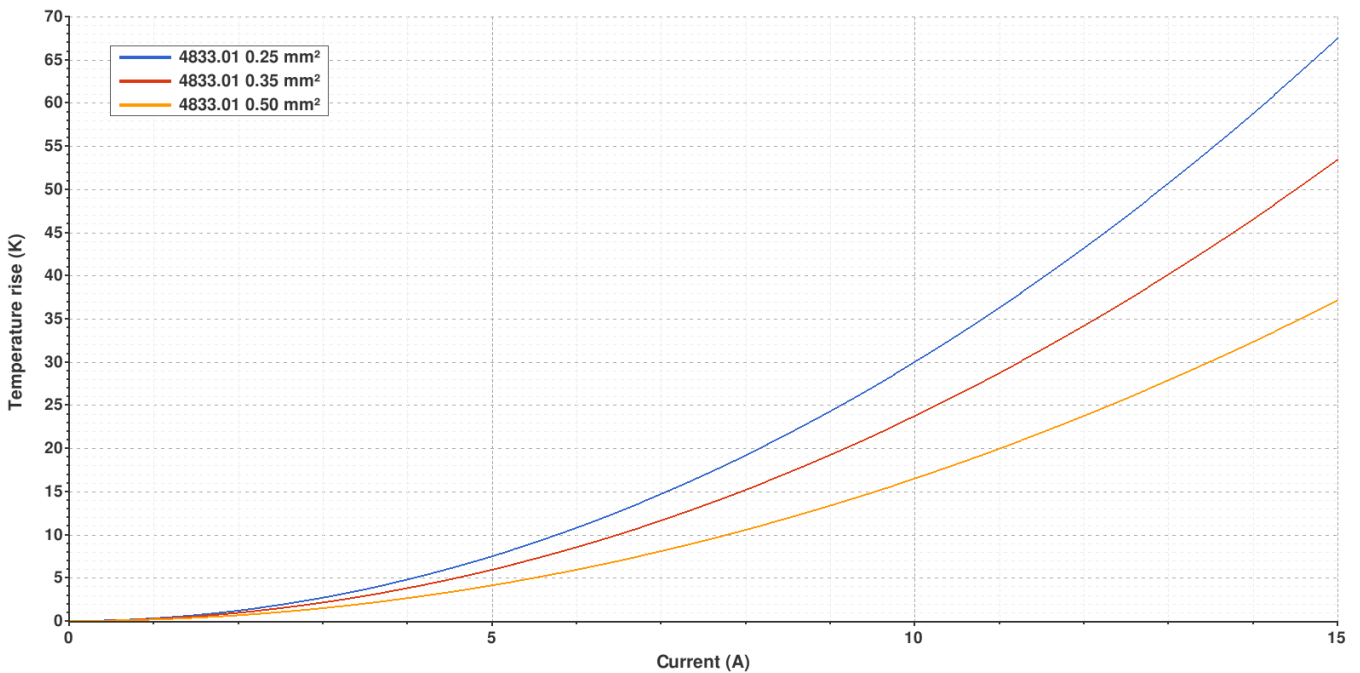
**4833.01 PRE-TIN-PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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

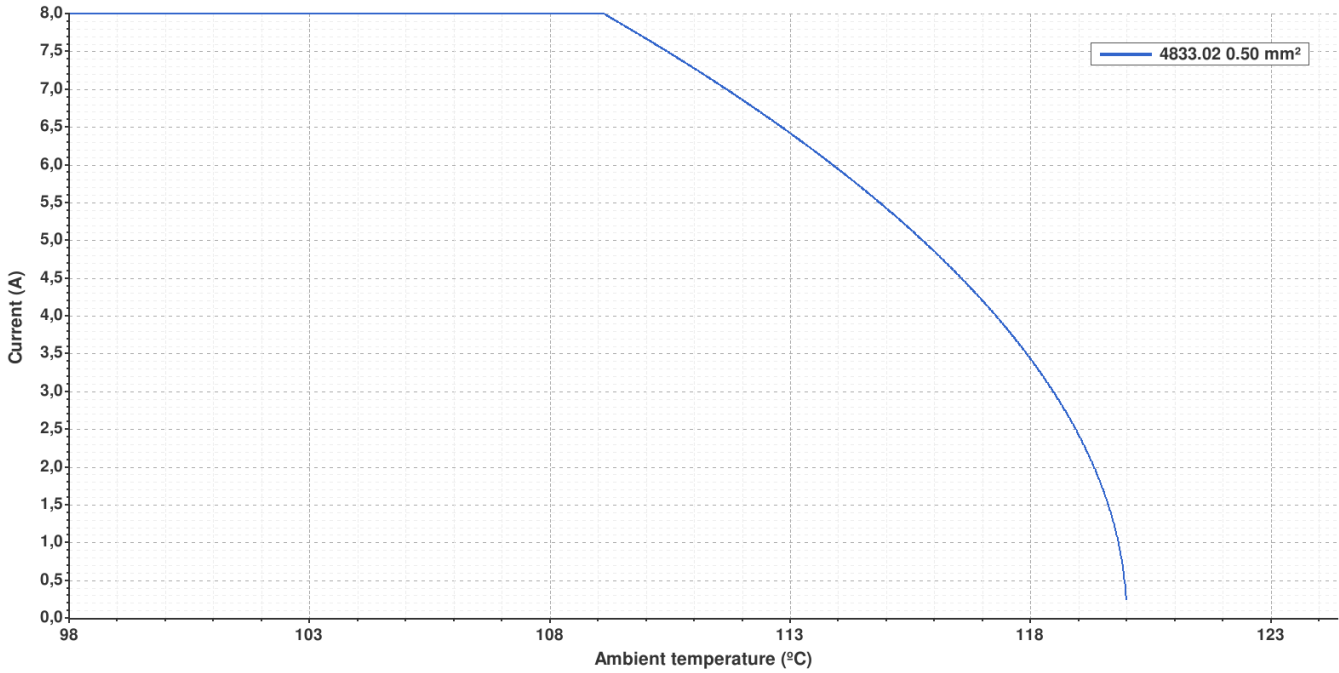


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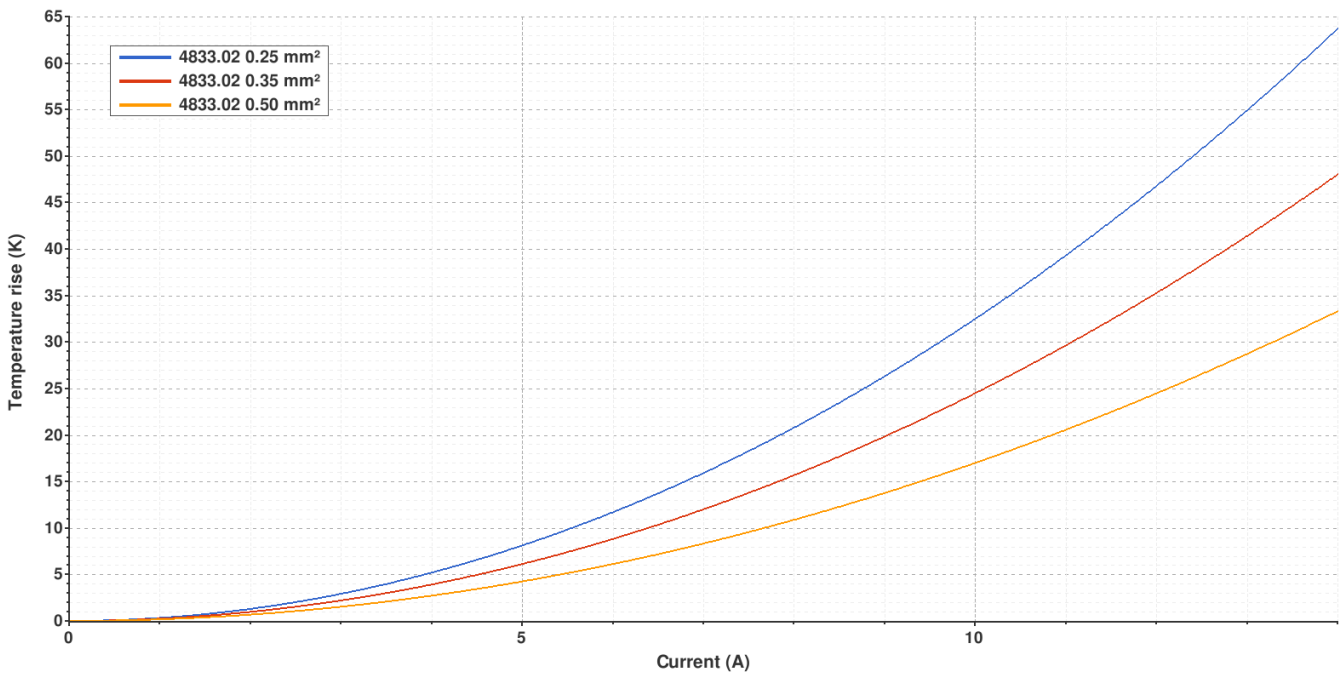
**4833.02 TIN PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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

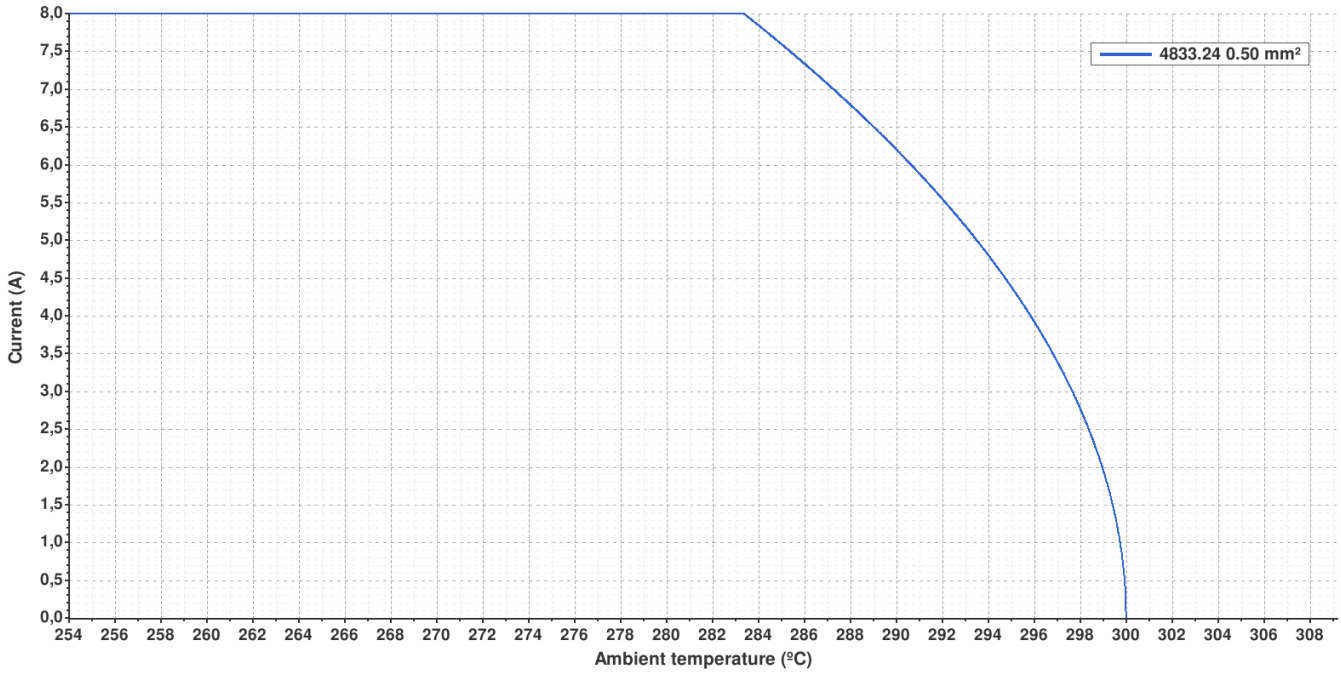


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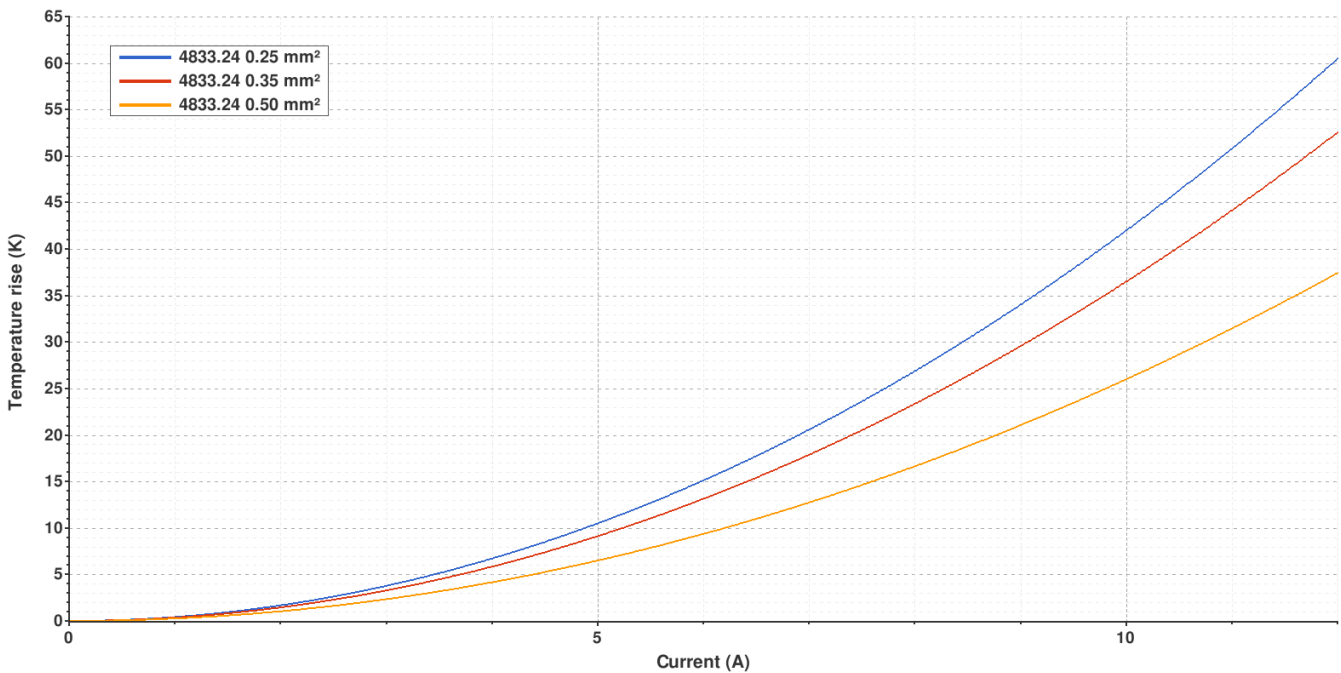
**4833.24 NICKEL-PLATED STEEL**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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



Valid for Natural Brass Tab

## 4833.\*\*

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

**Disclaimer**

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A2	Update crimp specifications	2019-08-08	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-03-27	Laboratory Dept.	E. Roura

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