4832.**

6.3 (.250) TYPE SERIES · RECEPTACLES

Specification Low insertion

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 3-4,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)	Contact Resist (mΩ)
4832.00	Brass	Natural	110	0.80
4832.01	Brass	Pre-tin-plated	120	0.60
4832.02	Brass	Tin plated	120	0.65
4832.30	Bronze	Natural	120	1.00
4832.31	Bronze	Pre-tin-plated	130	0.70
4832.32	Bronze	Tin plated	130	0.75
4832.24	Steel	Nickel-plated	300	2.50
4832.51	Cu. Alloy	Pre-tin-plated	150	(T.B.D.)
4832.70	German Silver	Natural	210	3.00

Material thickness (mm) 0,4

Max. rated current

Wire section	4832.00 / 01 / 02 / 30 / 31 / 32 / 24 / 51 / 70
1.00 mm²	12A
1.50 mm²	16A
2.50 mm²	20A

Insertion / Withdrawal forces

	4832.00 / 30 / 70	4832.01 / 02 / 31 / 32 / 24 / 51
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 MN4832

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)	
1.00 mm²	1.55 (±0.05)	3.05 (±0.05)	4.09 (±0.10)	108N @ 60s
1.50 mm²	1.70 (±0.05)	3.06 (±0.05)	4.10 (±0.10)	150N @ 60s
2.00 mm²	1.80 (±0.05)	3.07 (±0.05)	4.11 (±0.10)	150N @ 60s
2.50 mm²	1.90 (±0.05)	3.08 (±0.05)	4.12 (±0.10)	230N @ 60s
14 AWG	1.80	3.08	(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 7000

Compatible connectors 26314**

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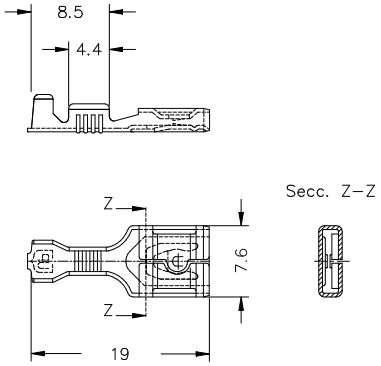
Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4832.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4832
4832.01	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4832
4832.01	VDE	EN 61210	5000955-1433-0001 / 17165 / F310 / GRE	1,0 ... 2,5mm2. 120ºC max
4832.31	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN4832
4832.24	UL	UL 310	E211727	AWG 18-18 (16-16 Stranded Cu) / MN4832
4832.24	VDE	EN 61210	5000955-1433-0001 / 17166 / F310 / GRE	1,0 ... 2,5mm2. 200ºC max

Approvals

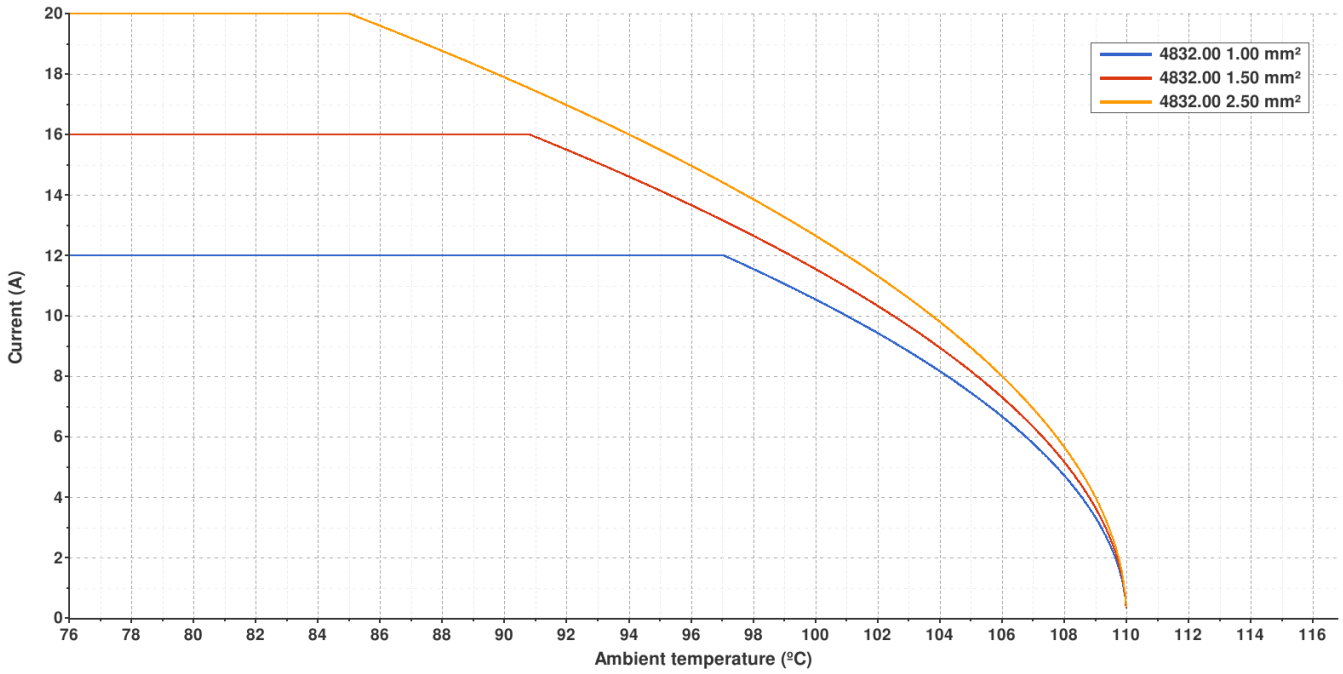
Drawing



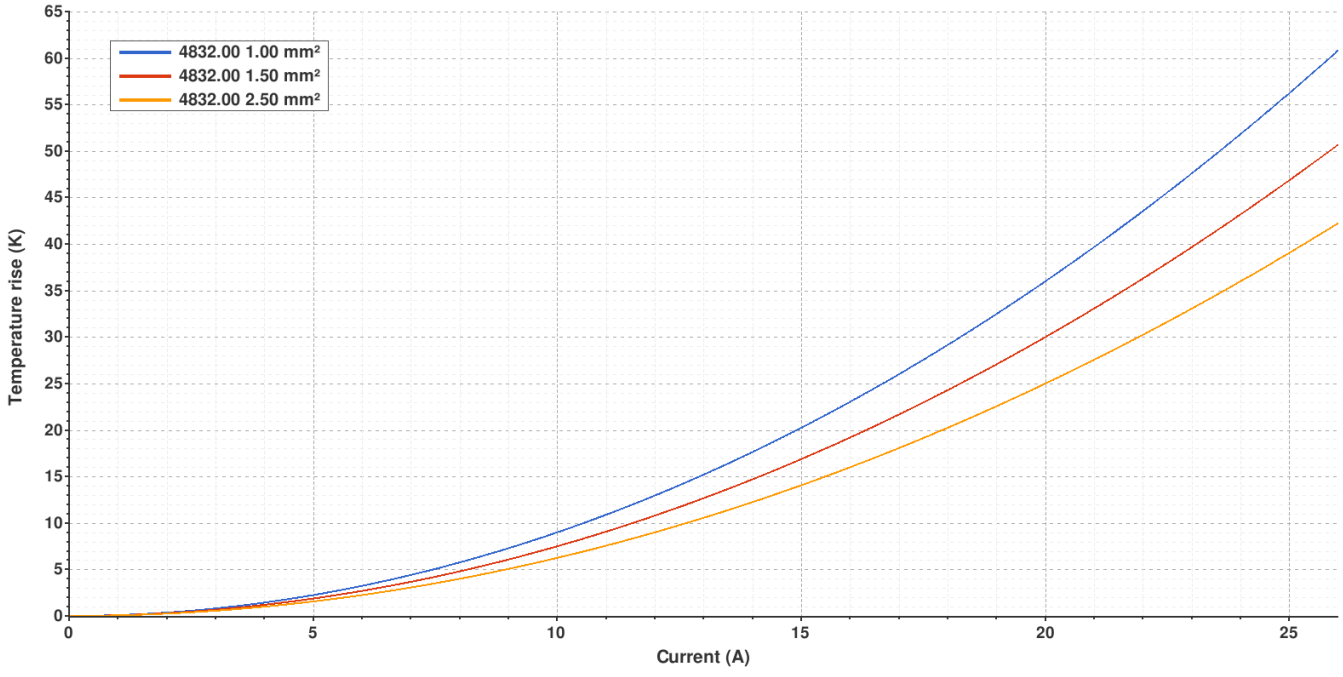
4832.00 NATURAL BRASS

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

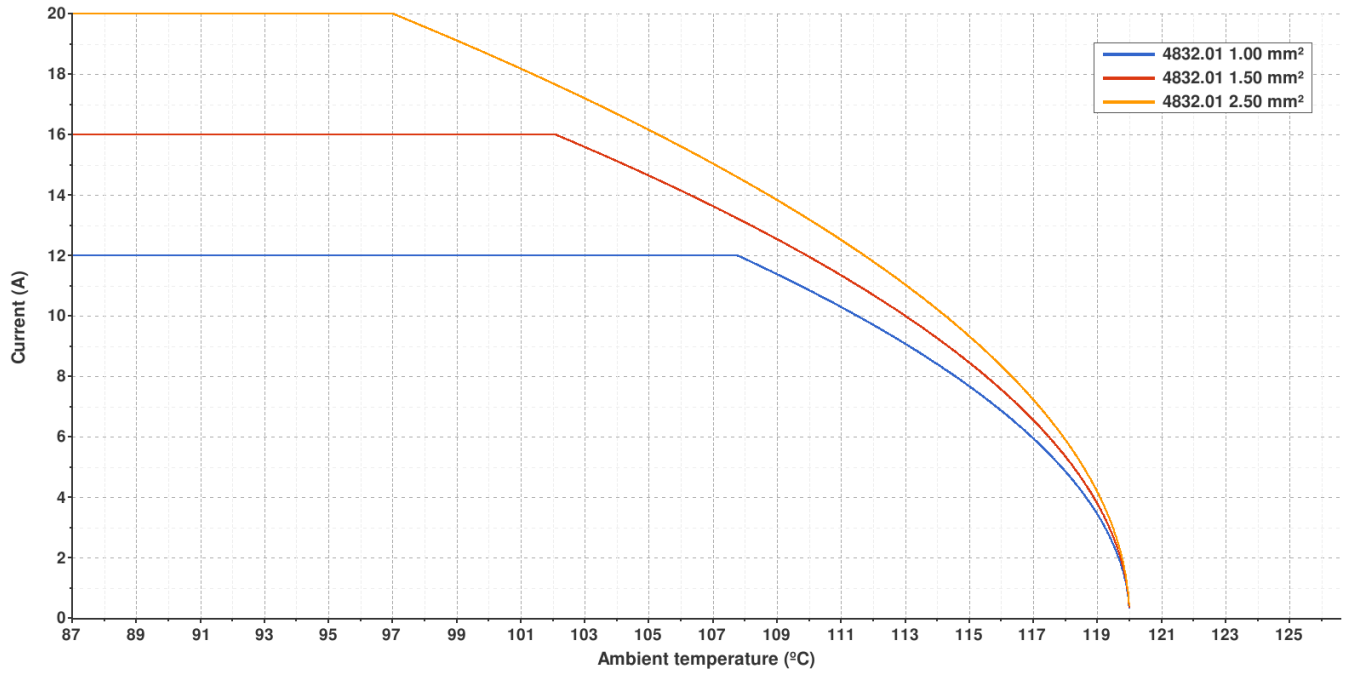


Valid for Natural Brass Tab

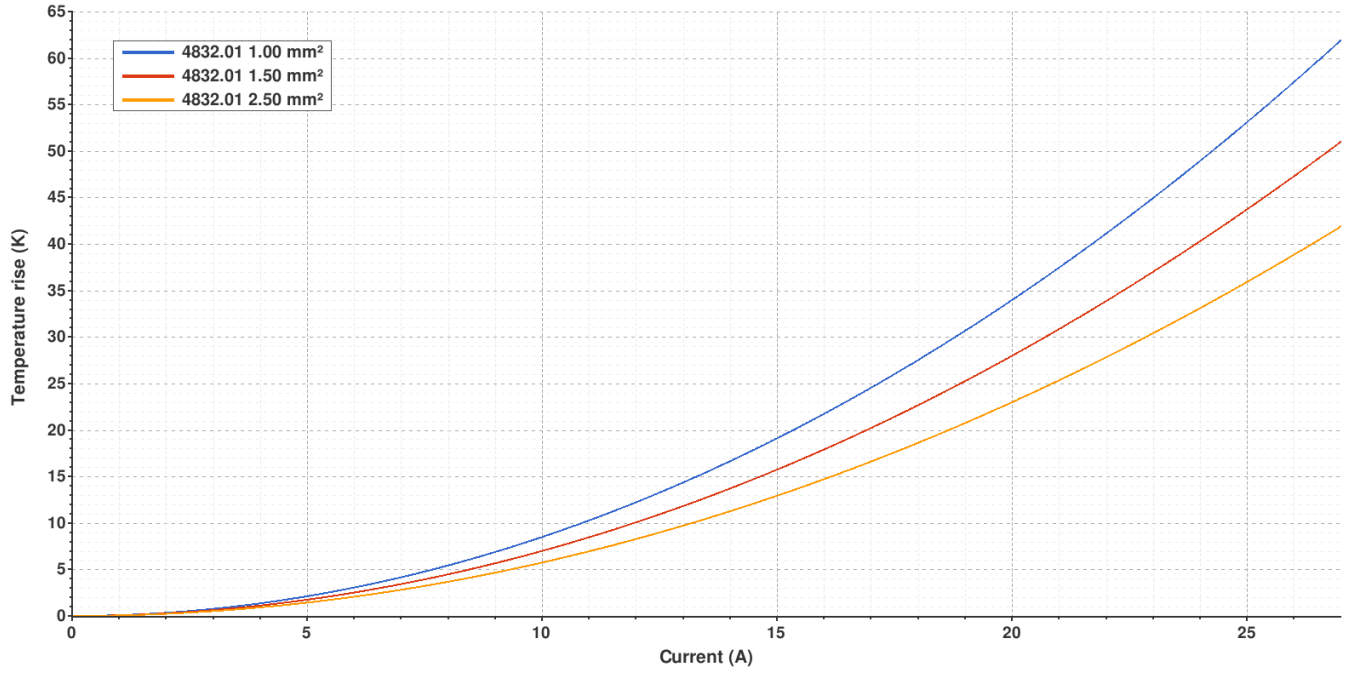
4832.01 PRE-TIN-PLATED BRASS

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

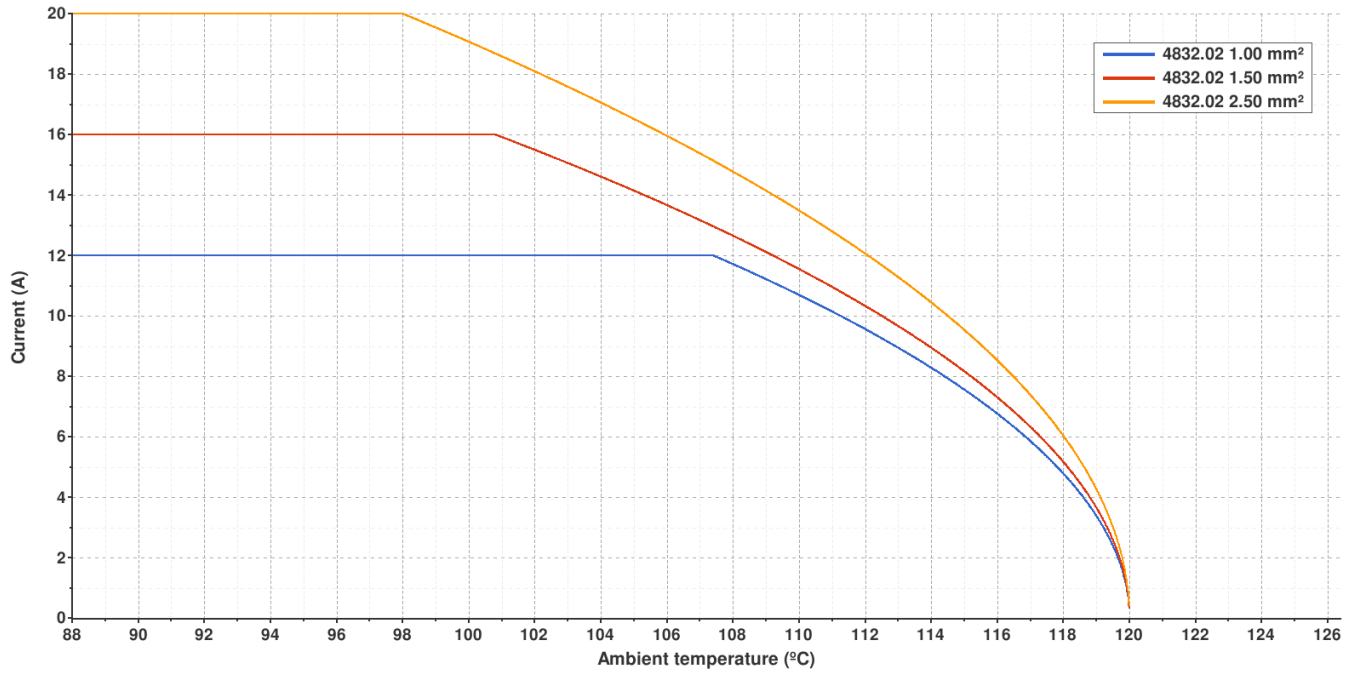


Valid for Natural Brass Tab

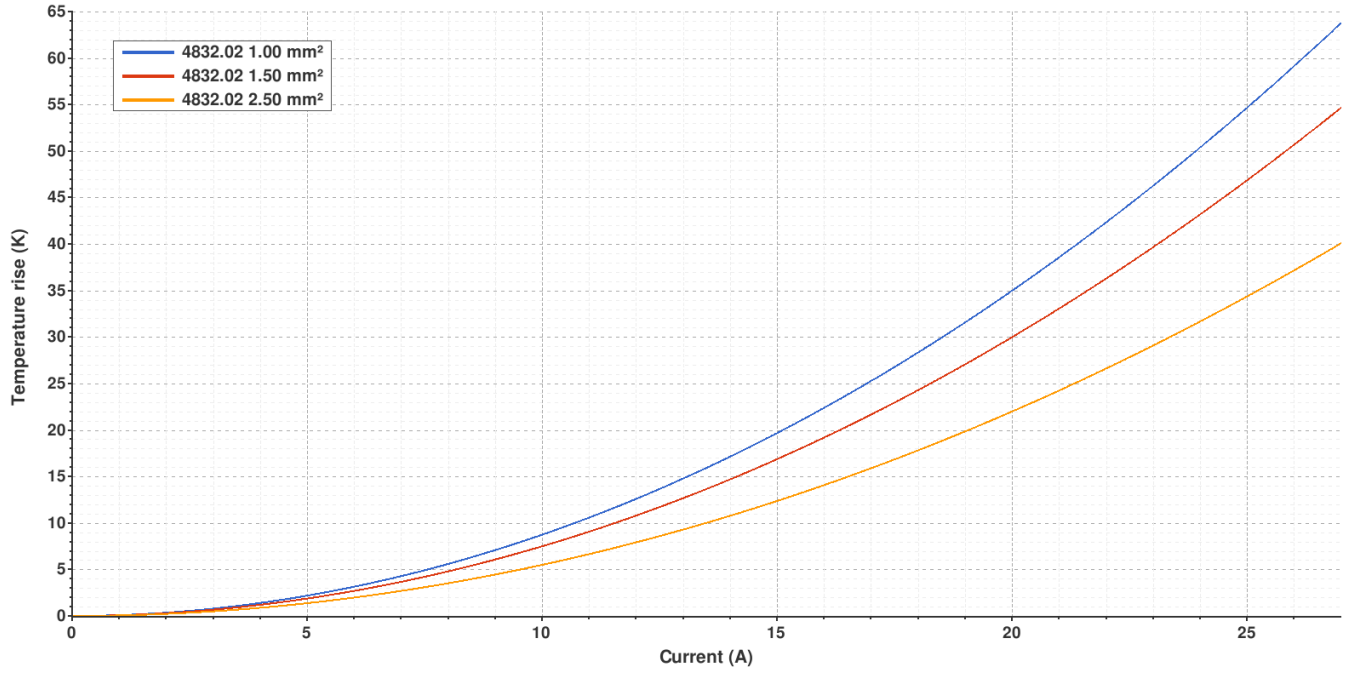
4832.02 TIN PLATED BRASS

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

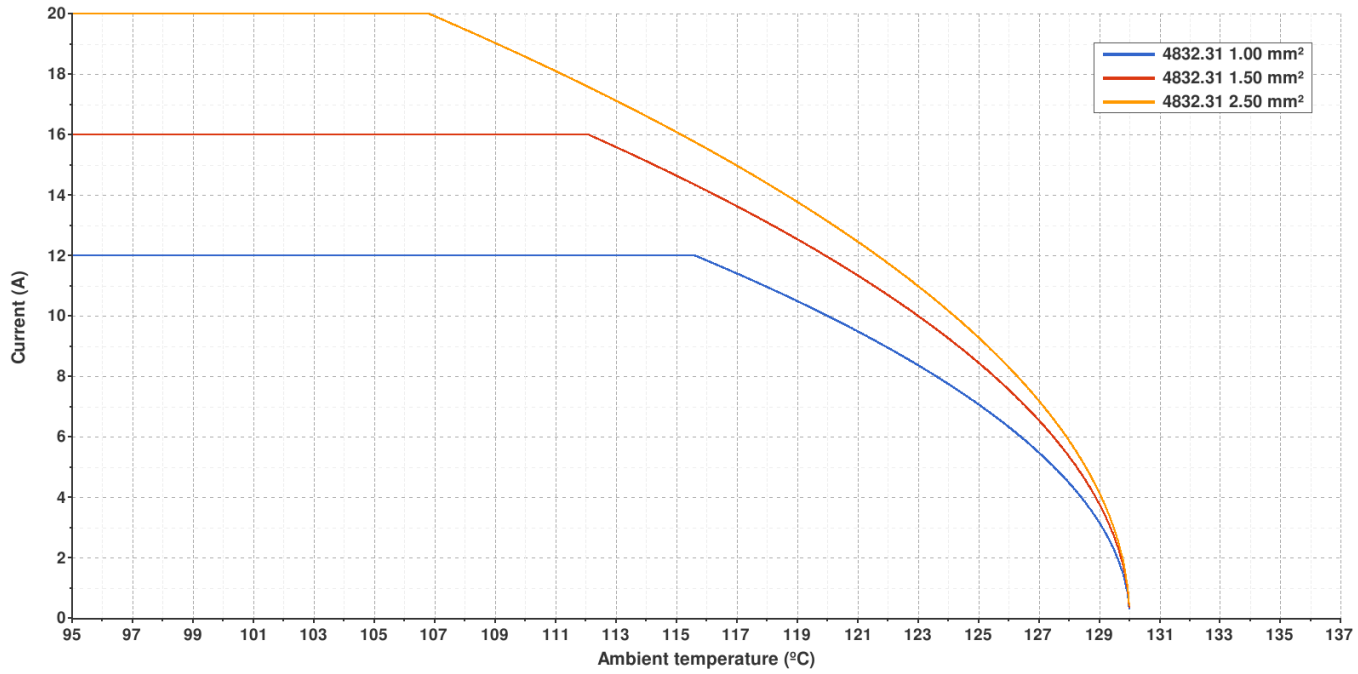


Valid for Natural Brass Tab

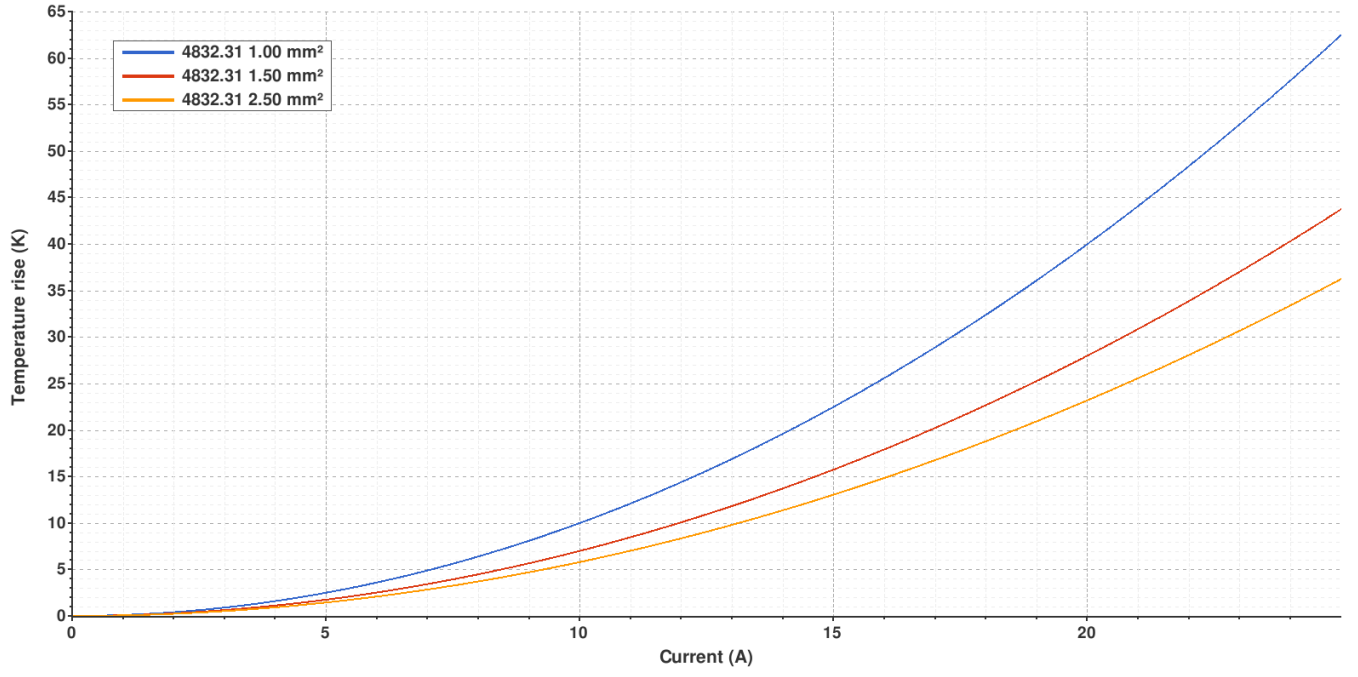
4832.31 PRE-TIN-PLATED BRONZE

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

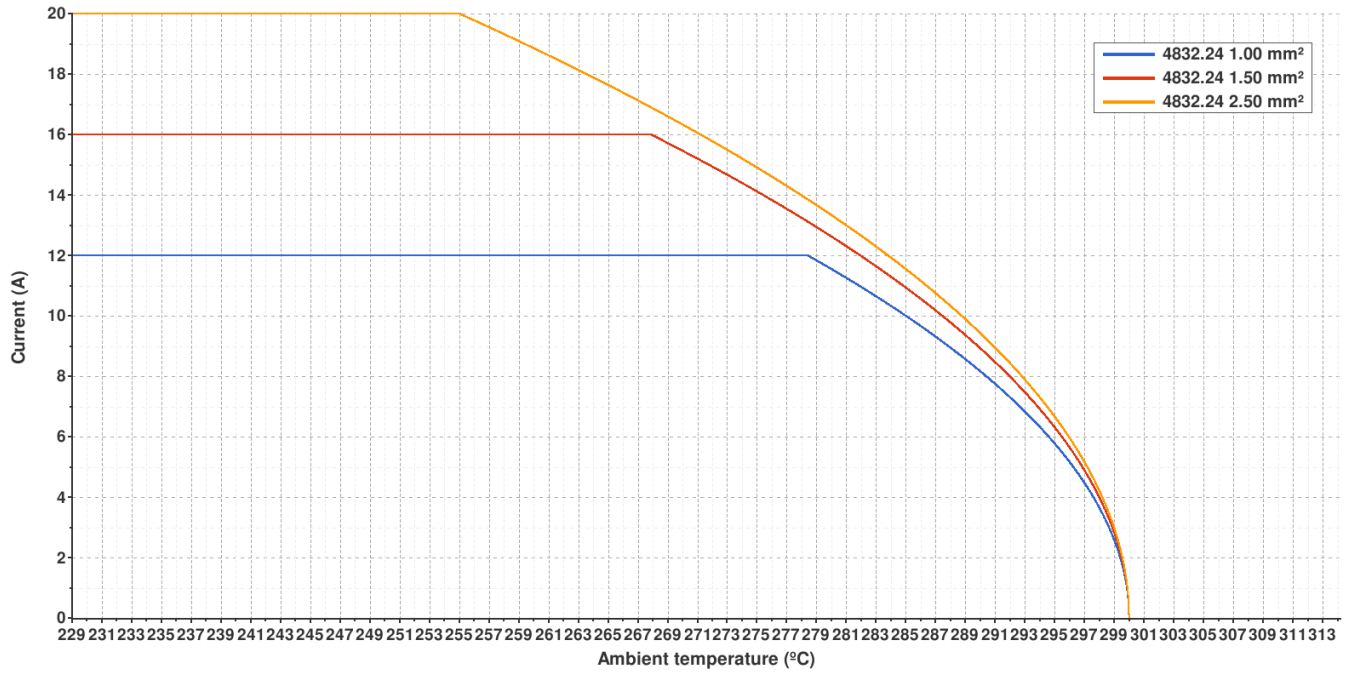


Valid for Natural Brass Tab

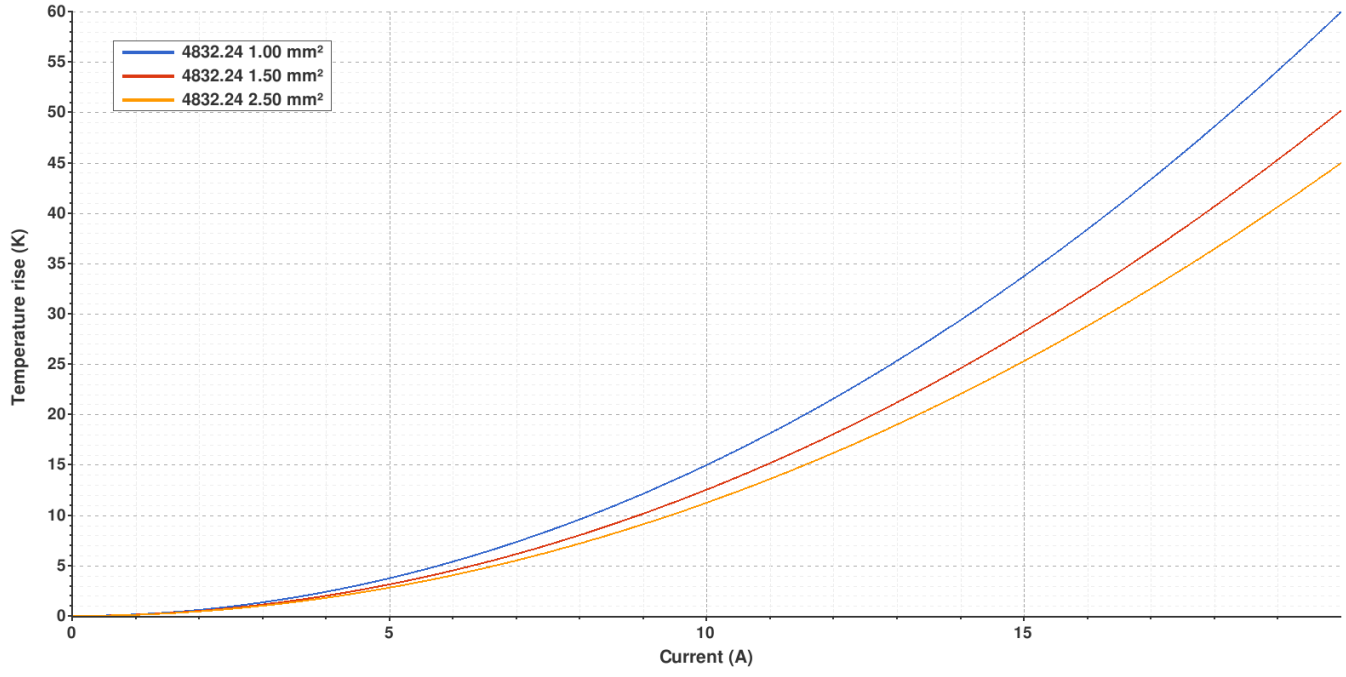
4832.24 NICKEL-PLATED STEEL

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

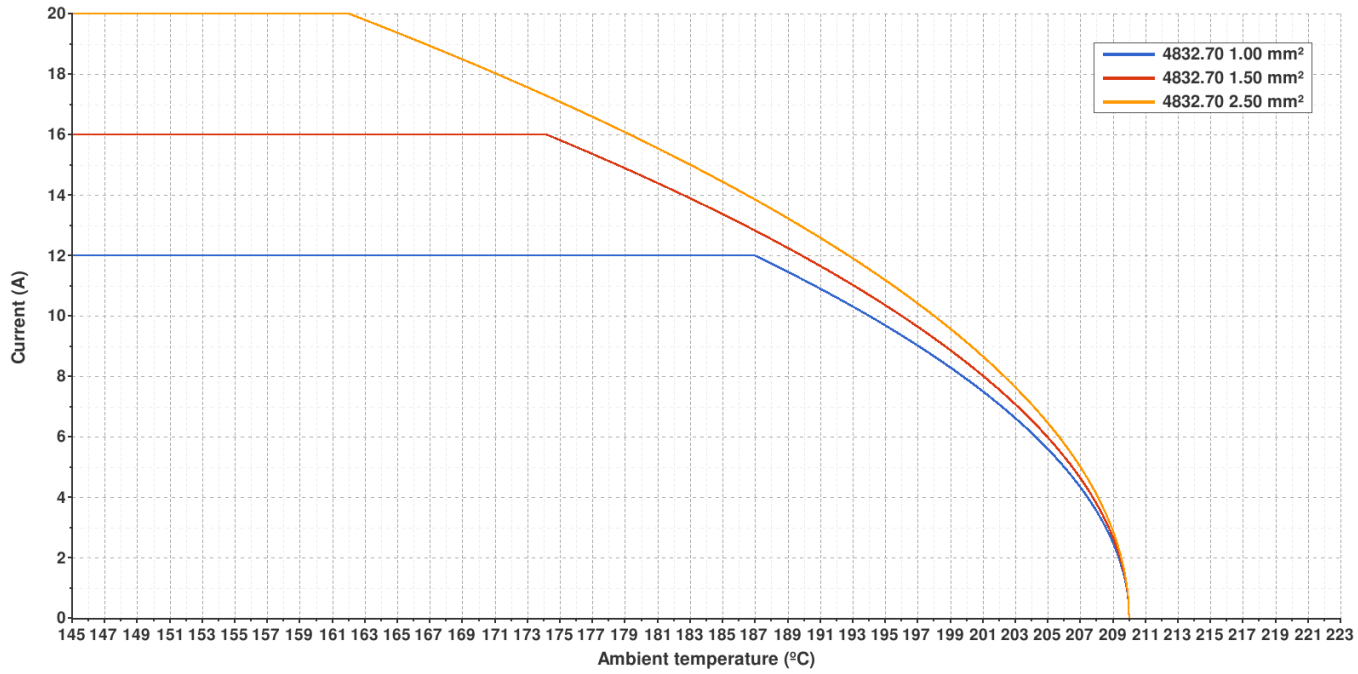


Valid for Natural Brass Tab

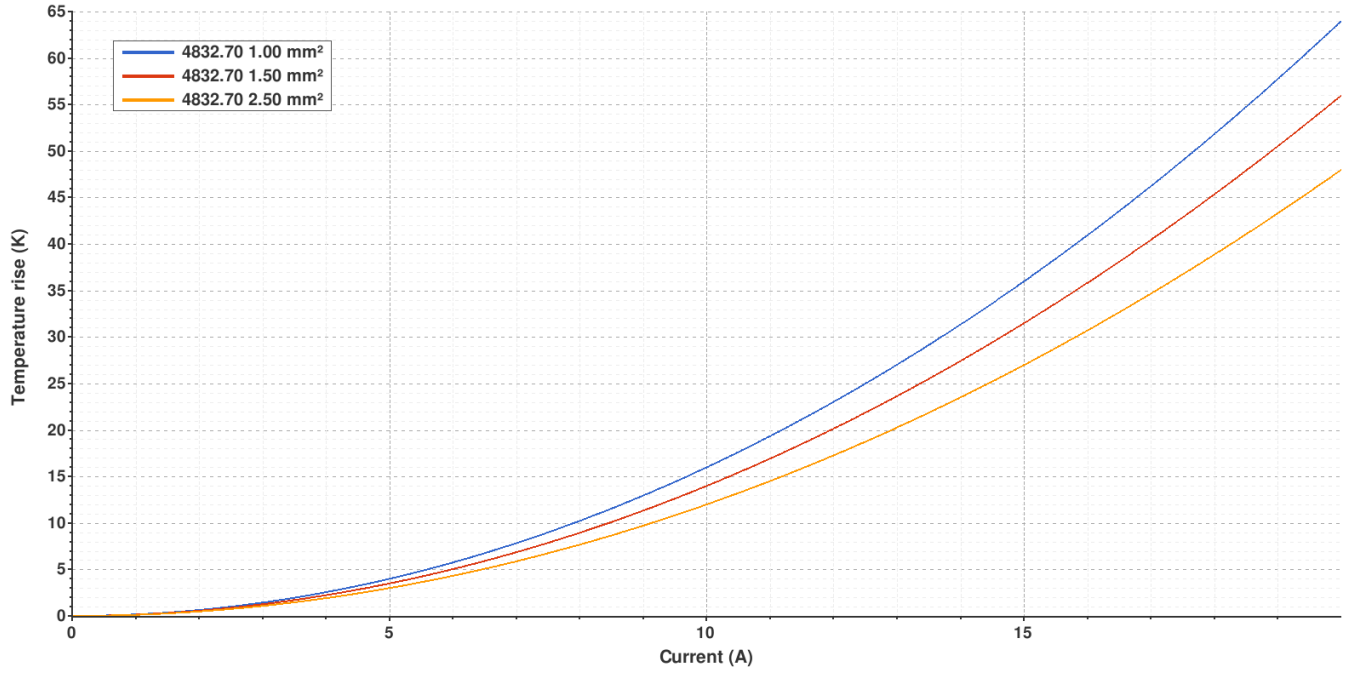
4832.70 NATURAL GERMAN SILVER

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

4832.**

6.3 (.250) TYPE SERIES · RECEPTACLES

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

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A5	Add material .51	2022-11-29	D. Yabar (Engineering Dept.)	E. Roura (Laboratory Dept.)
A4	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A3	Update Insertion / Withdrawal forces	2019-12-11	Laboratory Dept.	E. Roura
A2	Update de-rating curves	2018-11-08	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-08-06	Laboratory Dep.t	E. Roura

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