



4842.**
6.3 (.250) TYPE SERIES · RECEPTACLES



Specification Low insertion based on standard design

Typology Short Terminal

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. (°C)	Contact Resist (mΩ)
4842.00	Brass	Natural	110	0.50
4842.02	Brass	Tin plated	120	0.50
4842.30	Bronze	Natural	120	(T.B.D.)
4842.32	Bronze	Tin plated	130	(T.B.D.)
4842.70	German Silver	Natural	210	1.25

Material thickness (mm) 0,4

Max. rated current

Wire section	4842.00 / 02 / 30 / 32 / 70
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A

Insertion / Withdrawal forces


	4842.00 / 02 / 32 / 70	4842.30
1st Insertion (max)	35N ¹	
1st Withdrawal (min)	35N ¹	35N ¹
10th Withdrawal (min)	18N ¹	18N ¹
1st Insertion (max, connector-receptacle)		35N ¹

¹ Valid for Natural Brass Tab

Application tool MN4842

Wire strip length 5.0 (±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 ²	1.60 (±0.05)	2.86 (±0.05)	4.20 (±0.10)	108N @ 60s
1.50 mm ²	1.75 (±0.05)	2.87 (±0.05)	4.21 (±0.10)	150N @ 60s
2.50 mm ²	2.05 (±0.05)	2.89 (±0.05)	4.22 (±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 8000

Compatible connectors 26310**, 26313**, 26316**, 26320**, 26321**

Approvals

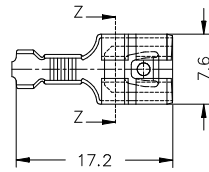
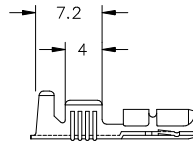




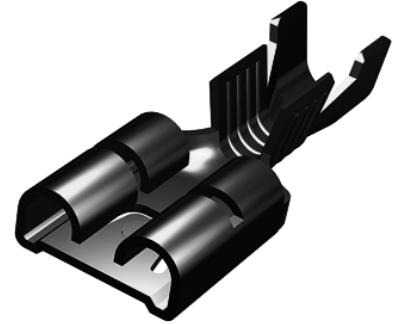
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Drawing



Secc. Z-Z

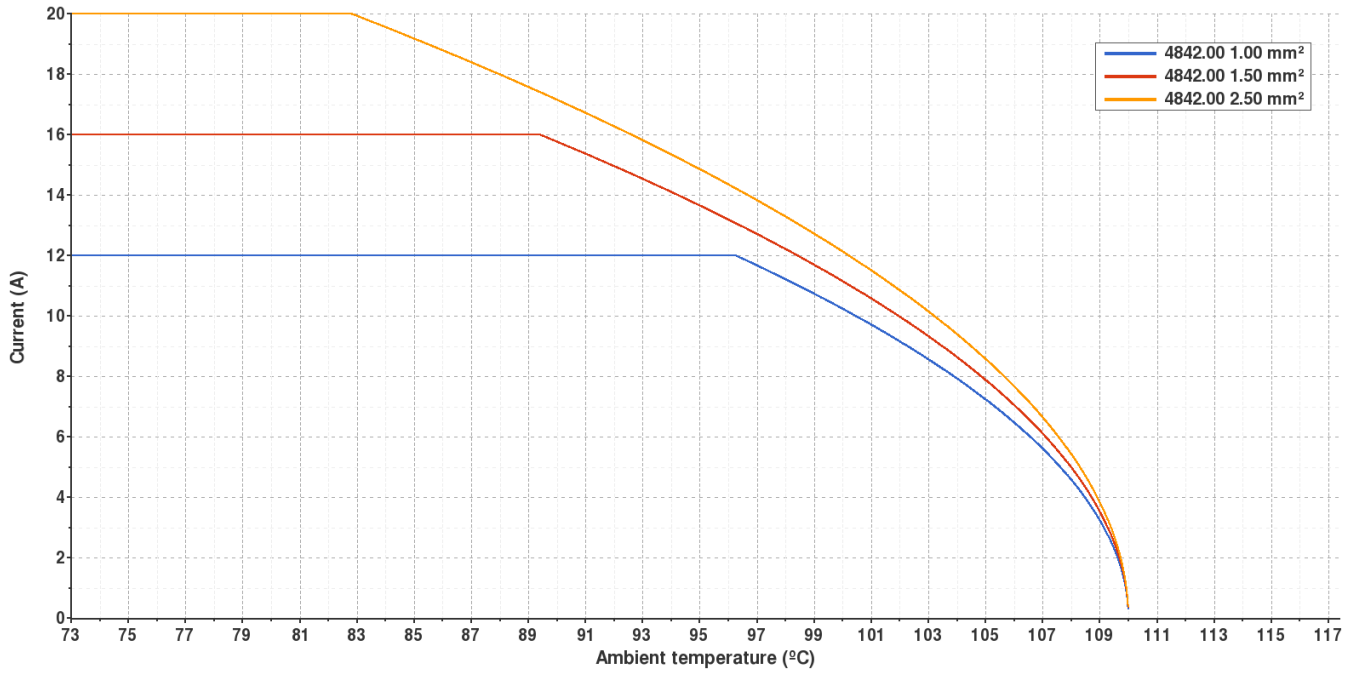




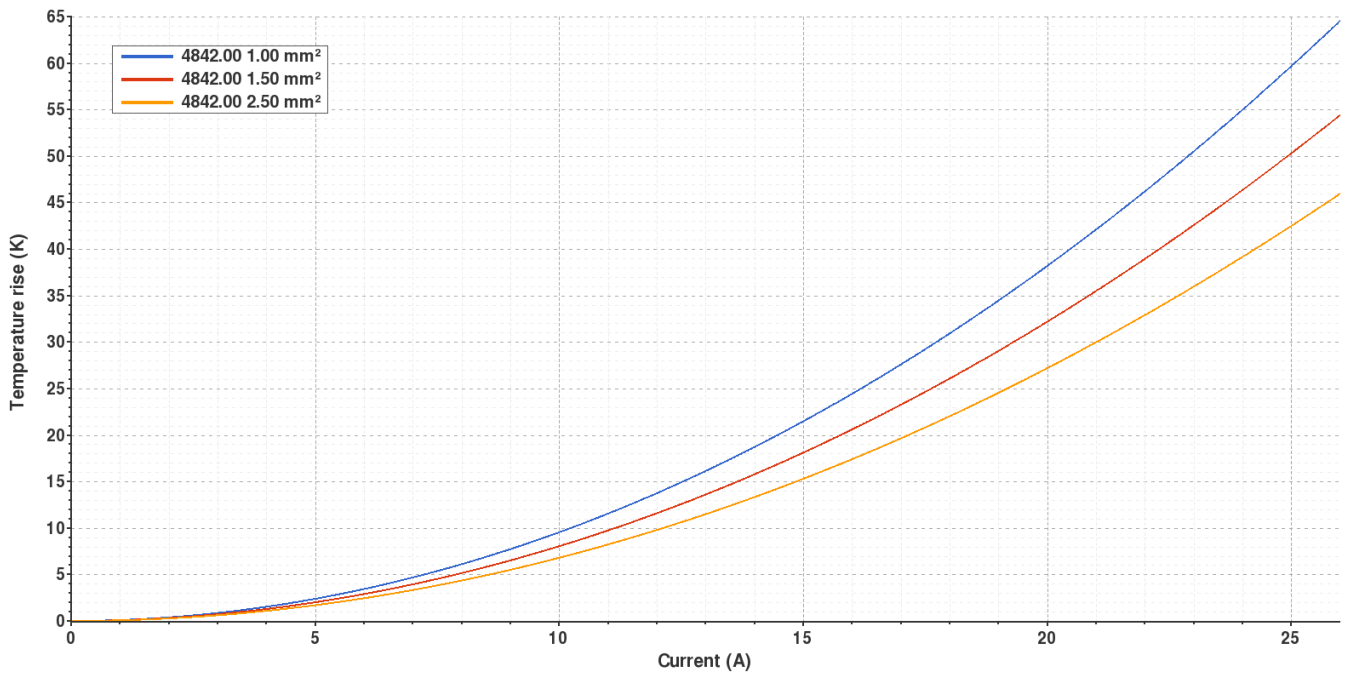
4842.00 NATURAL BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



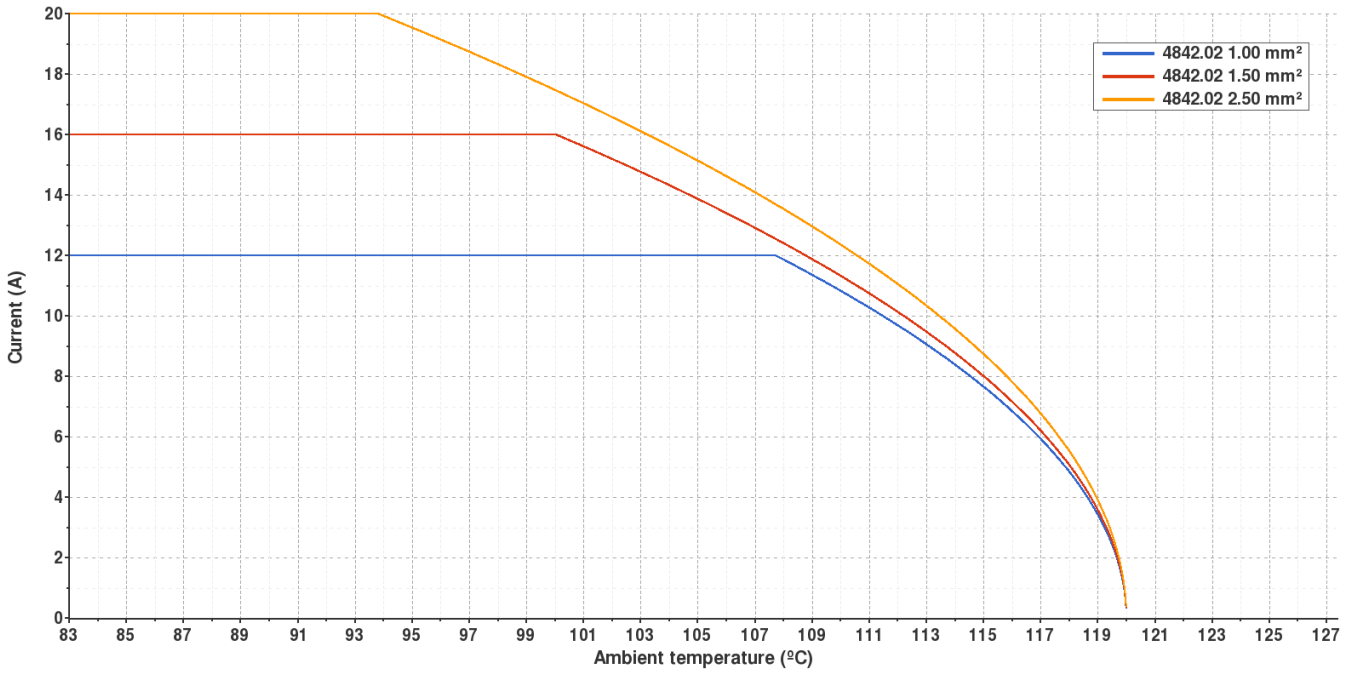
Valid for Natural Brass Tab



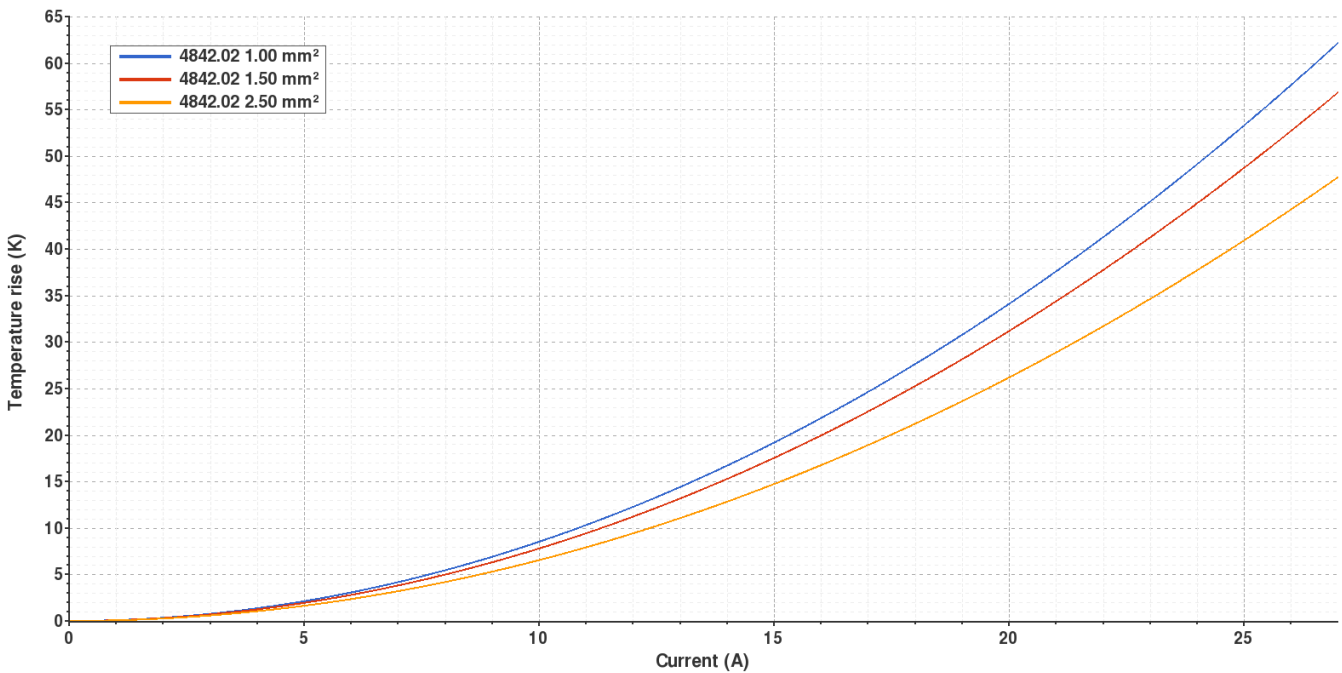
4842.02 TIN PLATED BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

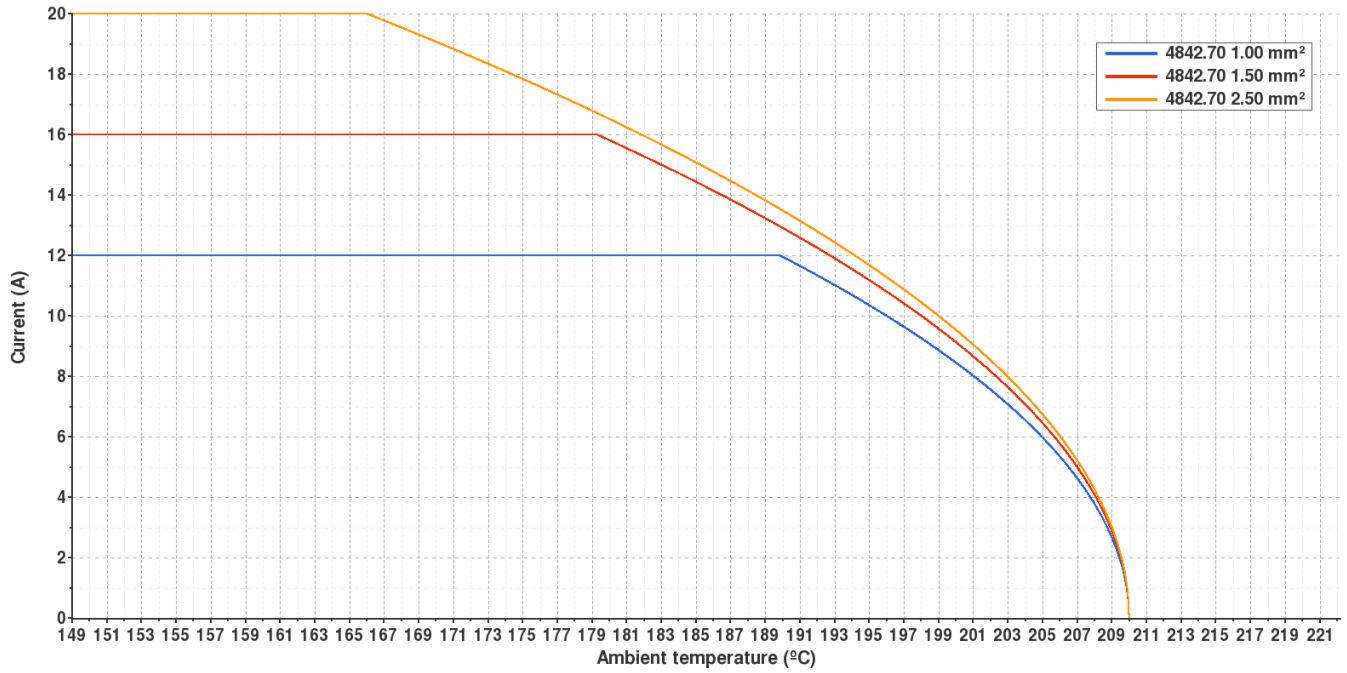


4842.70 NATURAL GERMAN SILVER
6.3 (.250) TYPE SERIES · RECEPTACLES



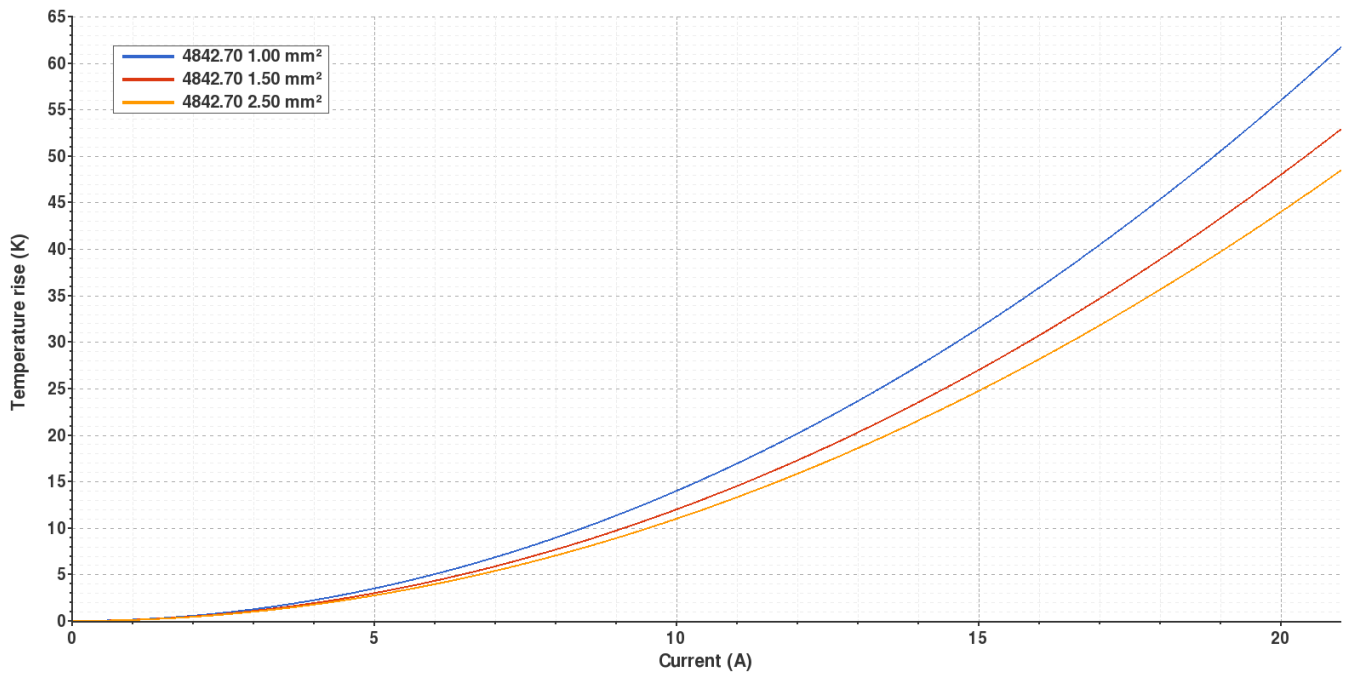
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



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

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Update 'Insertion / Withdrawal forces' note	2019-05-29	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-07-23	Laboratory Dept.	E. Roura