



4822.**
6.3 (.250) TYPE SERIES · RECEPTACLES



Specification Low insertion based on standard design

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)
4822.00	Brass	Natural	110	0.55
4822.02	Brass	Tin plated	120	0.50
4822.30	Bronze	Natural	120	0.80
4822.32	Bronze	Tin plated	130	0.70
4822.70	German Silver	Natural	210	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	4822.00 / 02 / 30 / 32 / 70
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A

Insertion / Withdrawal forces


	4822.00 / 02 / 30 / 32 / 70
1st Insertion (max)	35N ¹
1st Withdrawal (min)	35N ¹
10th Withdrawal (min)	18N ¹

¹ Valid for Natural Brass Tab

Application tool MN4822

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)		
1.00 mm ²	1.55 (±0.05)	3.05 (±0.05)	4.12 (±0.10)	108N @ 60s
1.50 mm ²	1.70 (±0.05)	3.07 (±0.05)	1.13 (±0.10)	150N @ 60s
2.00 mm ²	1.80 (±0.05)	3.08 (±0.05)	4.13 (±0.10)	150N @ 60s
2.50 mm ²	1.95 (±0.05)	3.10 (±0.05)	4.13 (±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 7000

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

Approvals



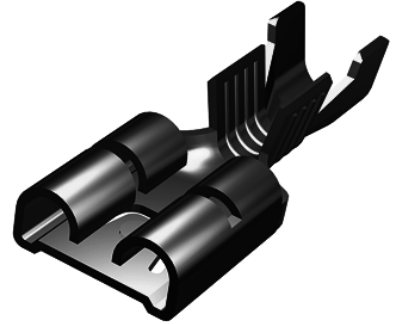
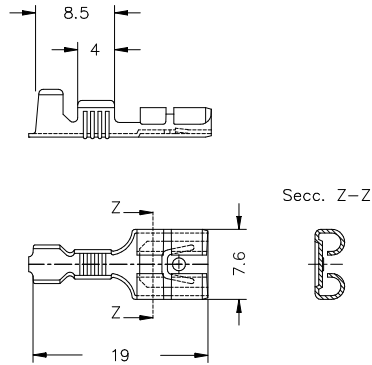


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Drawing

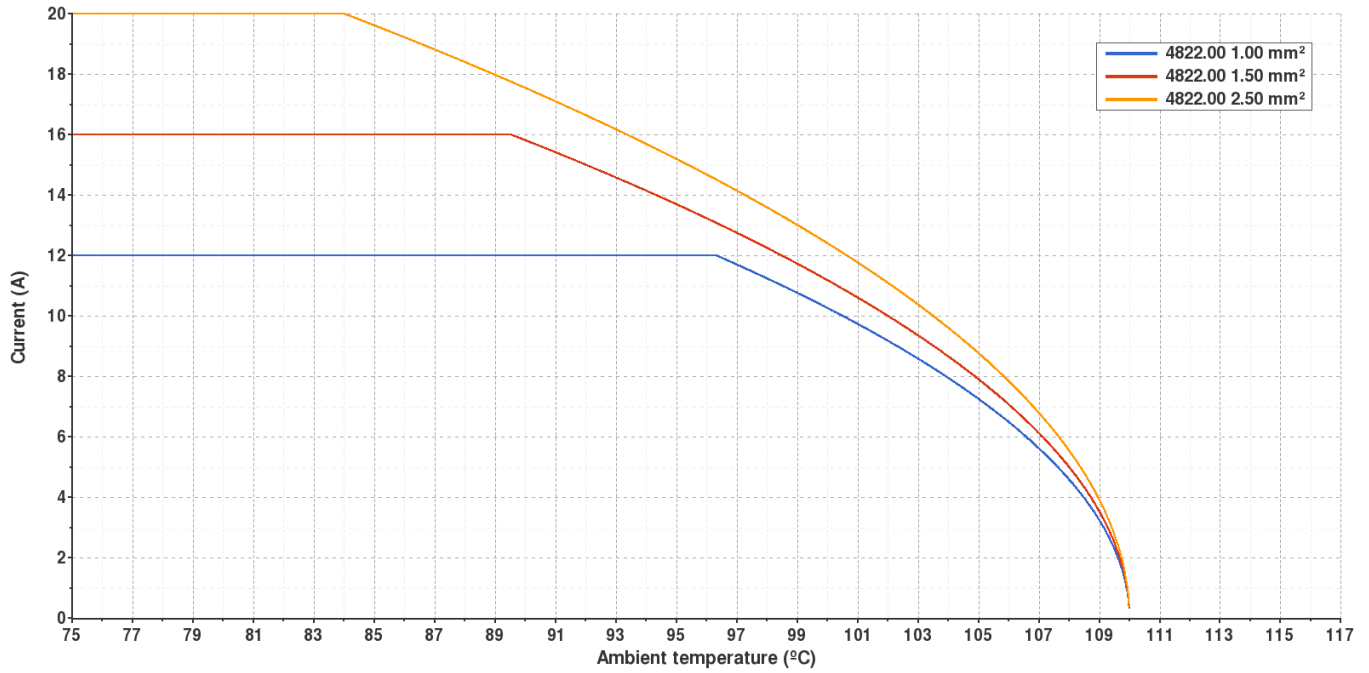




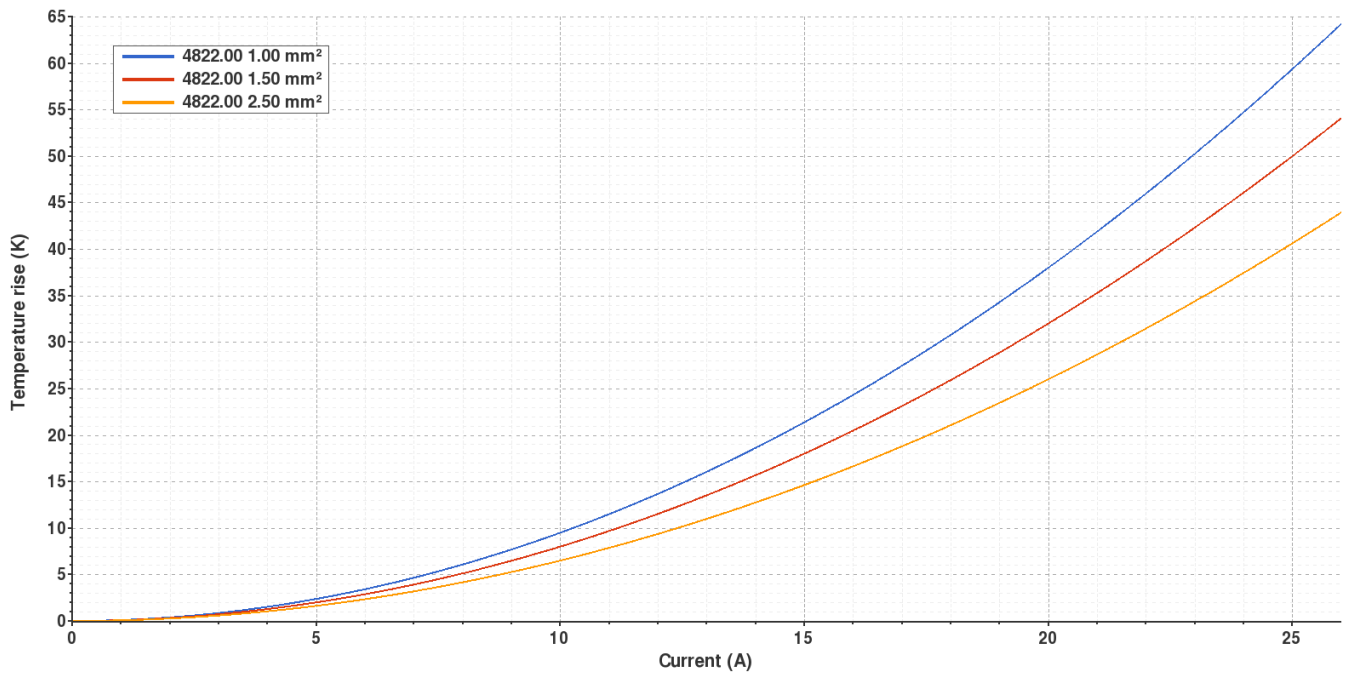
4822.00 NATURAL BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



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

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update de-rating and temperature rise curves	2020-09-01	Laboratory Dept.	E. Roura
A2	Update 'Insertion / Withdrawal forces' note	2019-05-29	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-02-05	Laboratory Dept.	E. Roura