

## 4820.\*\* 6.3 (.250) TYPE SERIES · RECEPTACLES



**Specification** Low insertion based on standard design

**For male (mm)** 6,3x0,8

**Wire size mm<sup>2</sup> (AWG)** 0,5-1 (20-18)

**Ø Insulation (mm)** 1,8-2,5

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4820.00	Brass	Natural	110	0.65
4820.02	Brass	Tin plated	120	0.50
4820.30	Bronze	Natural	120	0.80
4820.32	Bronze	Tin plated	130	0.70
4820.70	German Silver	Natural	210	(T.B.D.)

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

**Max. rated current**

Wire section	4820.00 / 02 / 30 / 32 / 70
0.50 mm <sup>2</sup>	8A
0.75 mm <sup>2</sup>	10A
1.00 mm <sup>2</sup>	12A

**Insertion / Withdrawal forces**


	4820.00 / 30 / 70	4820.02 / 32
1st Insertion (max)	35N <sup>1</sup>	35N <sup>1</sup>
1st Withdrawal (min)	35N <sup>1</sup>	35N <sup>1</sup>
6th Withdrawal (min)	22N <sup>1</sup>	18N <sup>1</sup>

<sup>1</sup> Valid for Natural Brass Tab

**Application tool** MN4820

**Wire strip length** 5.0 (±0.5) mm

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor 		Insulator Width (mm)	Pull-out force (N)
	Height (mm)	Width (mm)		
0.50 mm <sup>2</sup>	1.34 (±0.03)	2.37 (±0.03)	3.49 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.44 (±0.05)	2.38 (±0.05)	3.49 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.54 (±0.05)	2.39 (±0.05)	3.49 (±0.10)	108N @ 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\*\*

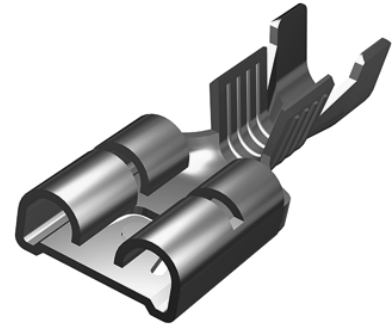
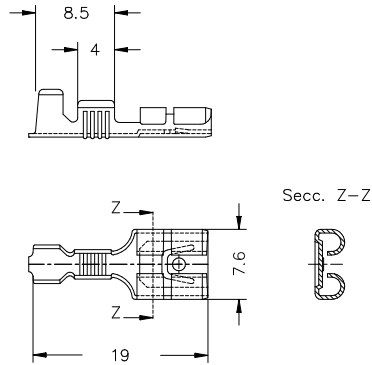
**Approvals**



**4820.\*\***  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



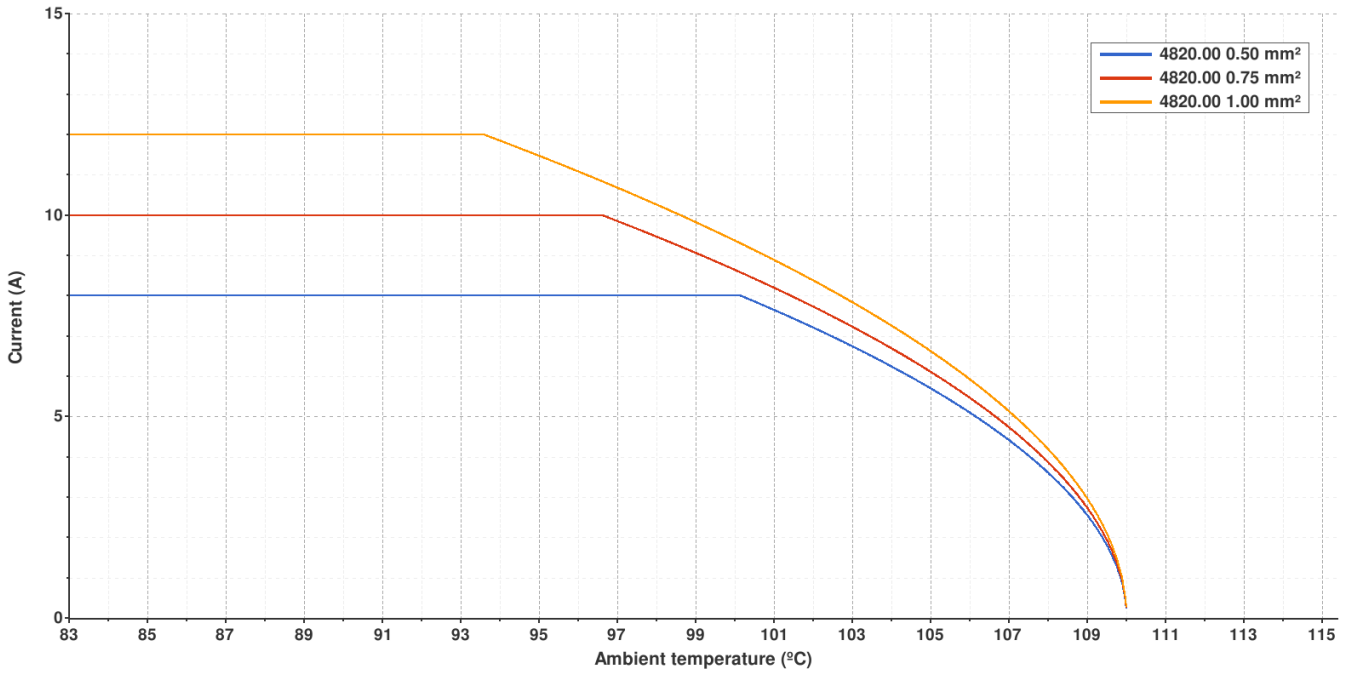
Drawing



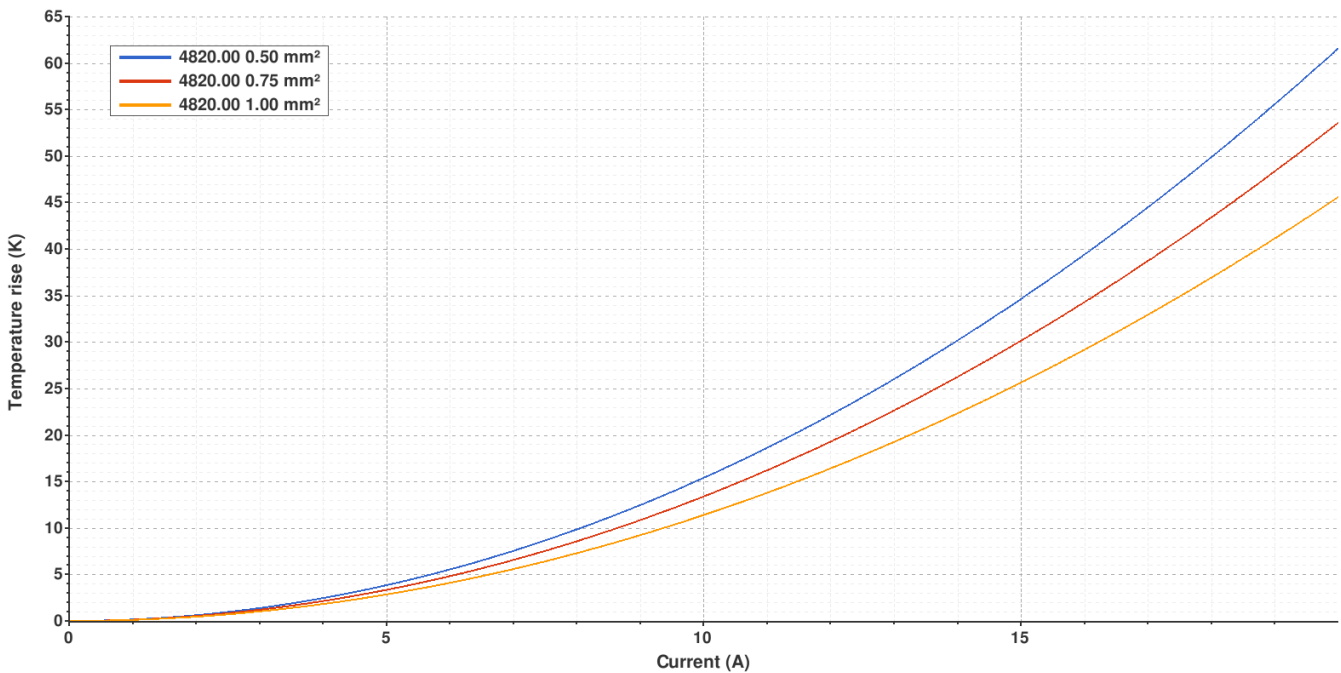
**4820.00 NATURAL BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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

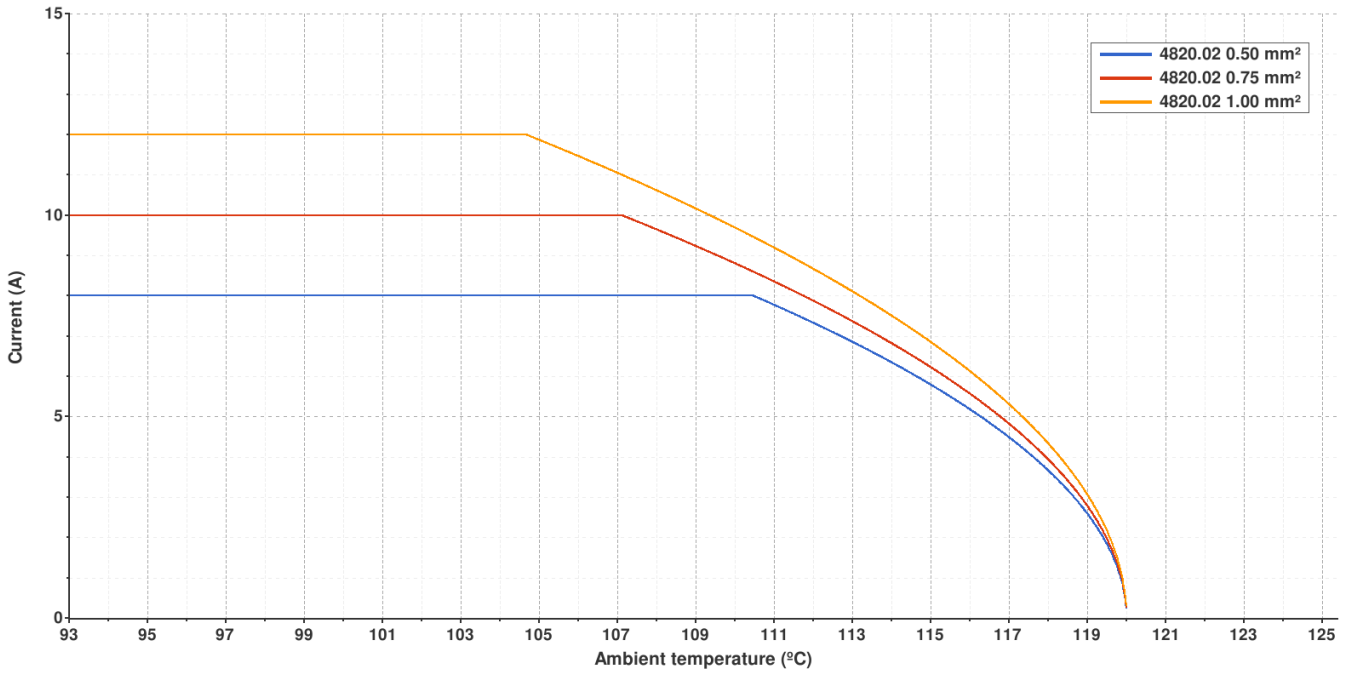


Valid for Natural Brass Tab

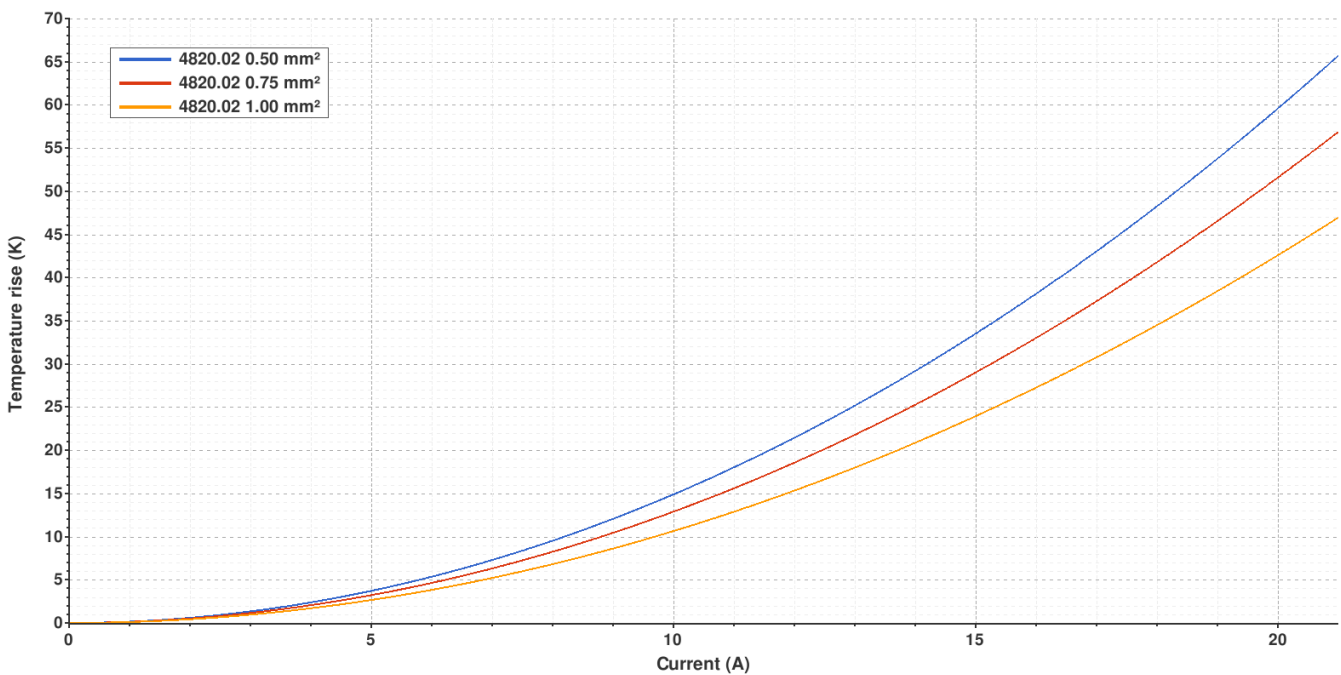
**4820.02 TIN PLATED BRASS**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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

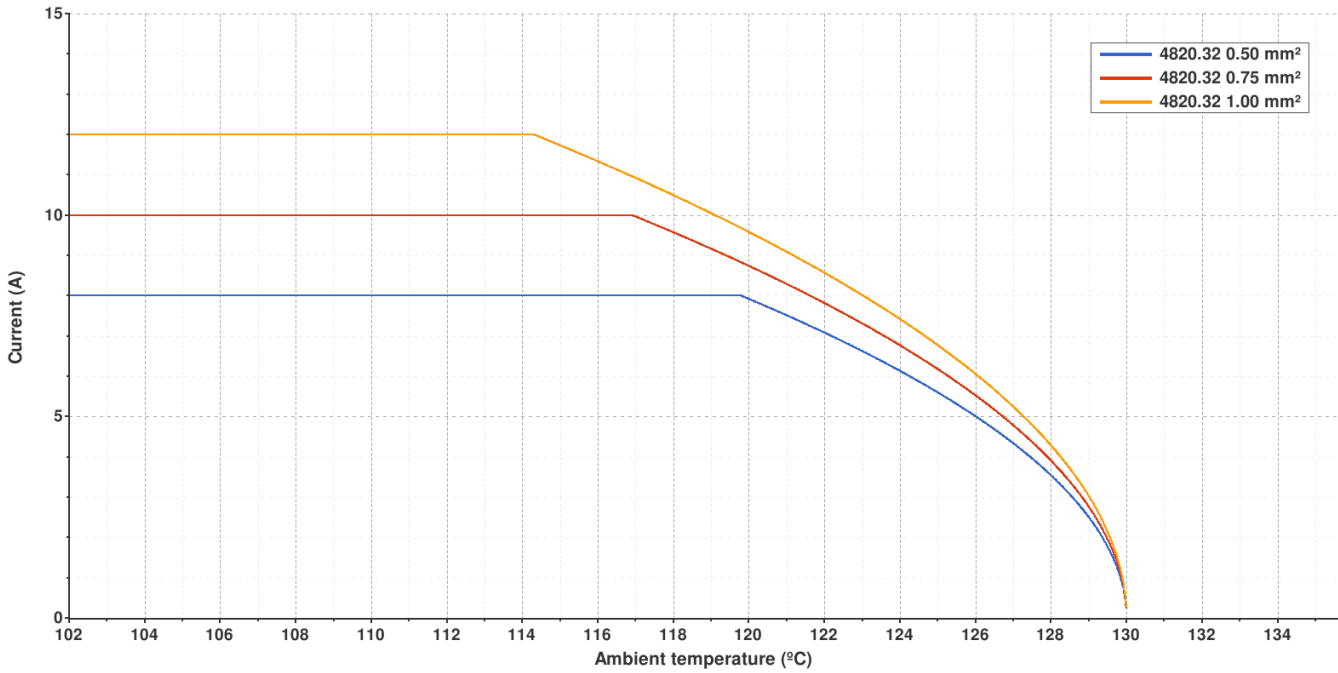


Valid for Natural Brass Tab

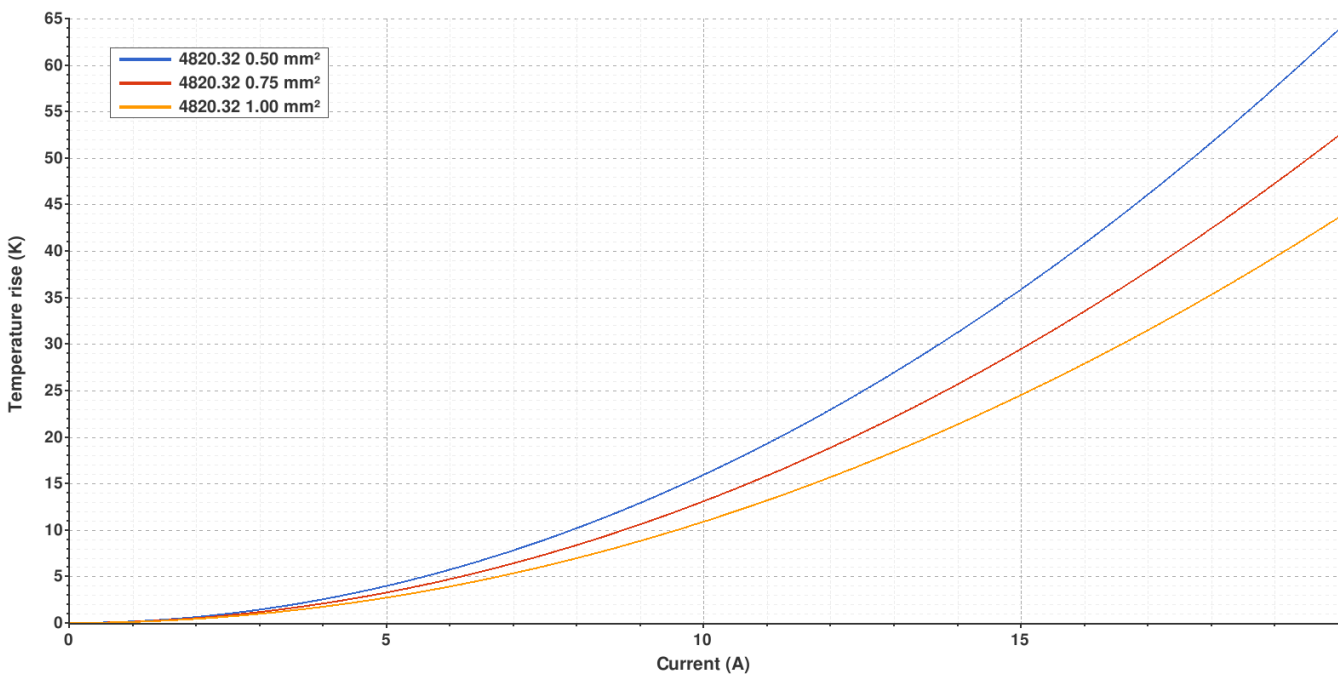
**4820.32 TIN PLATED BRONZE**  
**6.3 (.250) TYPE SERIES · RECEPTACLES**



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



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



Valid for Natural Brass Tab

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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	E.Roura (laboratory dept.)	M.Codina (engineering dept.)
A3	Withdrawal forces updated	2021-02-23	E.Roura (laboratory dept.)	M.Codina (engineering dept.)
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