

## 4610.\*\* 2.8 (.110) TYPE SERIES · RECEPTACLES



**For male (mm)** 2,8x0,5

**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)
4610.00	Brass	Natural	110	2.00
4610.01	Brass	Pre-tin-plated	120	1.75

**Material thickness (mm)** 0,25

**Max. rated current**

Wire section	4610.00 / 01
0.50 mm <sup>2</sup>	5A
0.75 mm <sup>2</sup>	6,5A
1.00 mm <sup>2</sup>	8A

**Insertion / Withdrawal forces**


	4610.00 / 01
1st Insertion (max)	15N <sup>1</sup>
6th Withdrawal (min)	9N <sup>1</sup>

<sup>1</sup> Valid for Natural brass tab

**Application tool** MN4609

**Wire strip length** 4.0 (±0.3) mm

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm <sup>2</sup>	1.10 (±0.03)	1.85 (±0.03)	2.67 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.20 (±0.05)	1.86 (±0.05)	2.68 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.30 (±0.05)	1.87 (±0.05)	2.69 (±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** 15000

**Compatible connectors** 22814\*\*

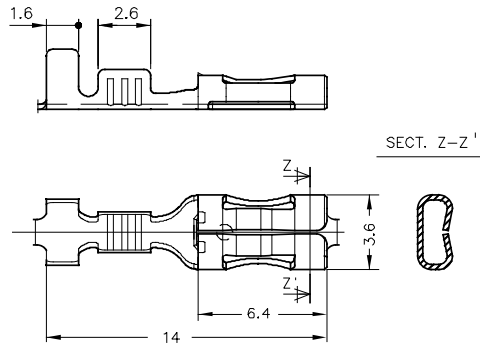
**Approvals**



**4610.\*\***  
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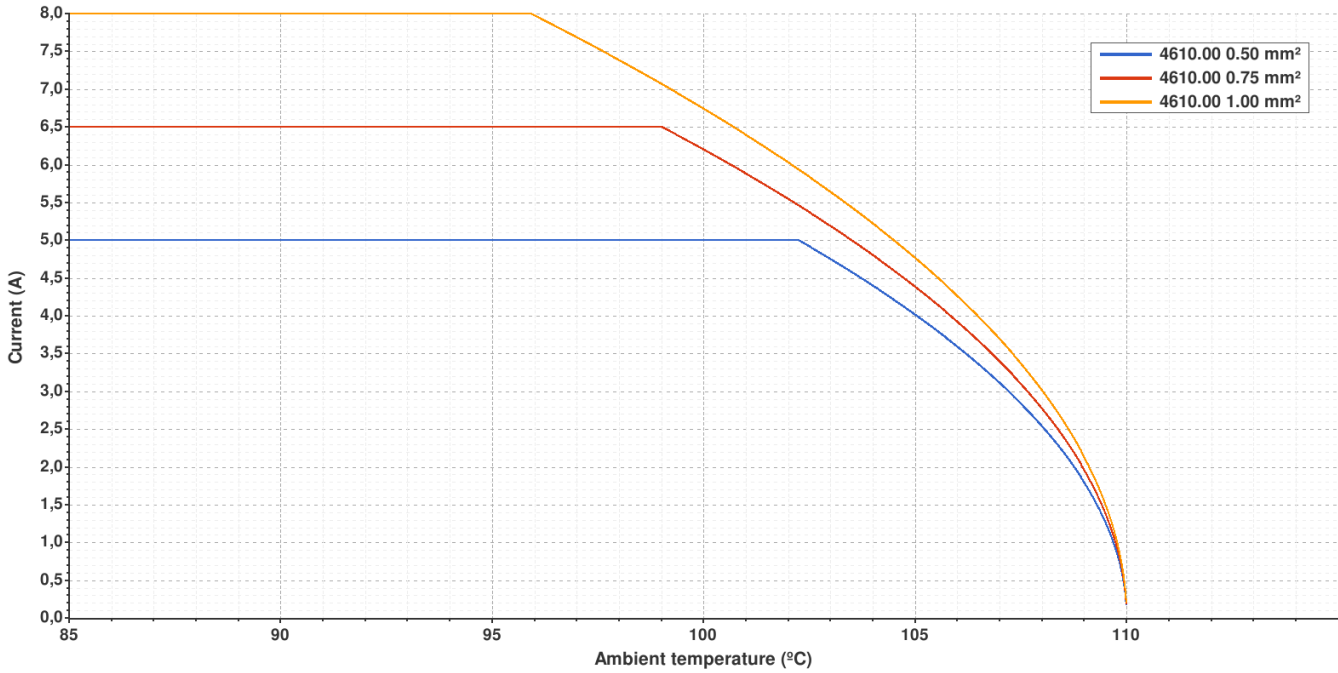
Drawing



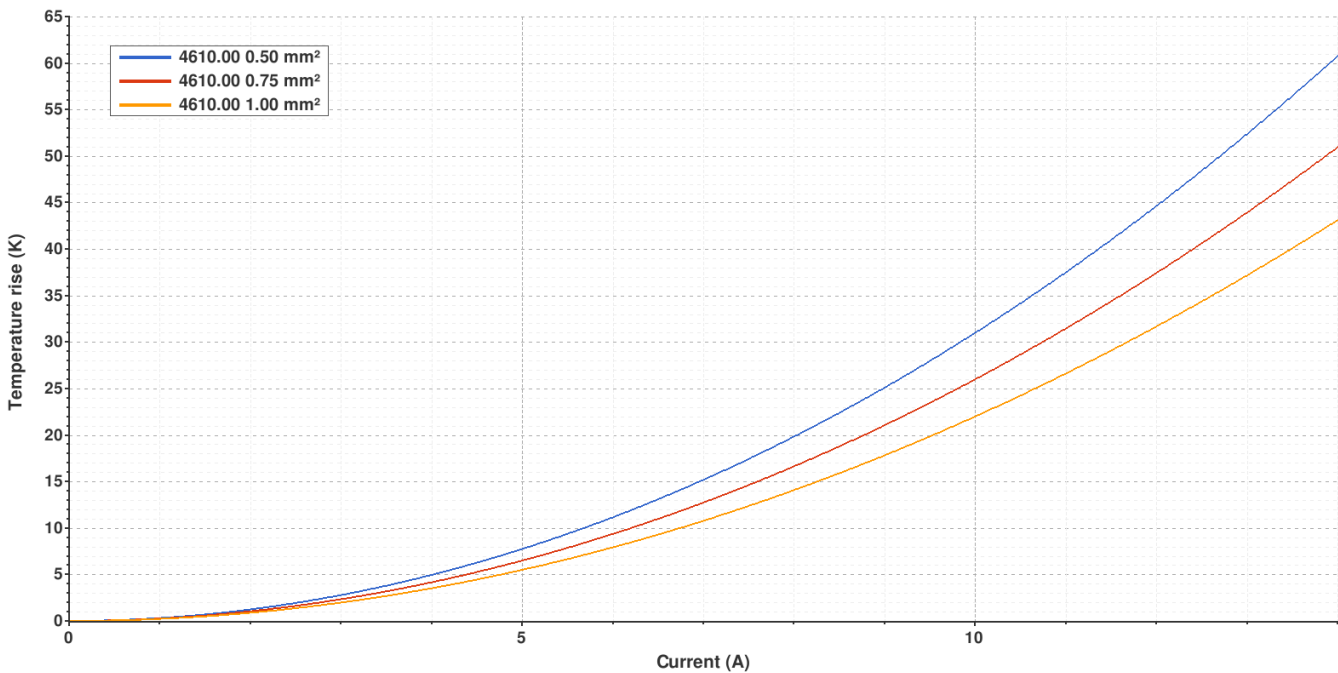
**4610.00 NATURAL BRASS**  
**2.8 (.110) TYPE SERIES · RECEPTACLES**



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



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

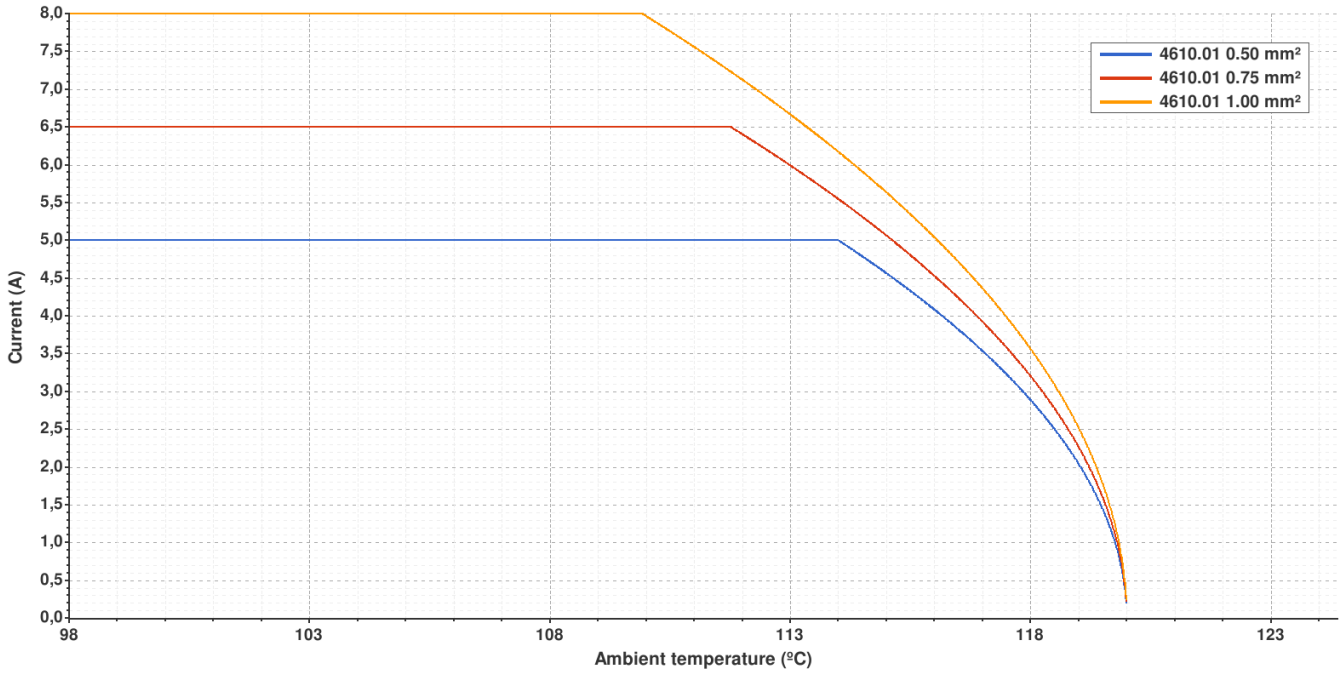


Valid for Natural brass tab

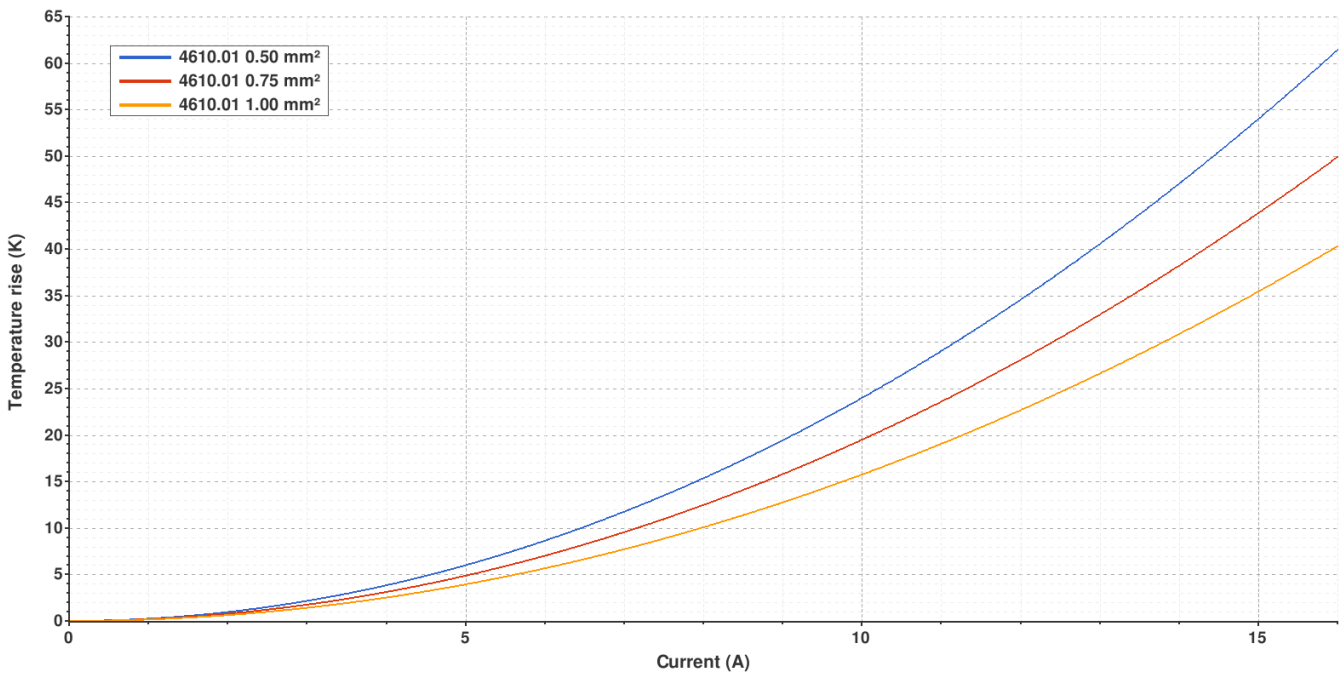
**4610.01 PRE-TIN-PLATED BRASS**  
**2.8 (.110) TYPE SERIES · RECEPTACLES**



**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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### Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A4	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A3	Update de-rating curve, temperature rise curve and contact resistance	2021-01-25	Laboratory Dept.	E. Roura
A2	Compatible connectors updated	2020-09-24	M.Codina (Eng. Dept.)	E.Roura (Lab. Dept.)
A1	Datasheet created automatically [A1]	2019-09-24	E. Roura (Laboratory Dept.)	M. Codina (Engineering Dept.)

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