

4312.** 4.8 (.187) TYPE SERIES · RECEPTACLES FOR CONNECTOR



Specification Standard Terminals

For male (mm) 4,8x0,5

Wire size mm² (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)
4312.00	Brass	Natural	110	0.85
4312.02	Brass	Tin plated	120	0.70
4312.30	Bronze	Natural	120	0.95
4312.32	Bronze	Tin plated	130	0.80

Material thickness (mm) 0,3

Max. rated current

Wire section	4312.00 / 02 / 30 / 32
0.50 mm ²	6A
0.75 mm ²	8A
1.00 mm ²	8A

Insertion / Withdrawal forces


	4312.00	4312.02 / 30 / 32
1st Insertion (max)	25N ¹	30N ¹
1st Withdrawal (max)	35N ¹	35N ¹
10th Withdrawal (min)	7N ¹	7N ¹

¹ Valid for Natural Brass Tab

Application tool MN4312

Wire strip length 4.2 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm ²	1.20 (±0.03)	2.16 (±0.03)	3.41 (±0.10)	56N @ 60s
0.75 mm ²	1.25 (±0.05)	2.16 (±0.05)	3.41 (±0.10)	84N @ 60s
1.00 mm ²	1.35 (±0.05)	2.17 (±0.05)	3.42 (±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 10000

Compatible connectors 24850**

Approvals

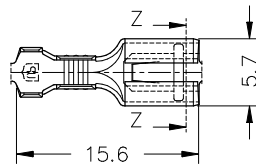
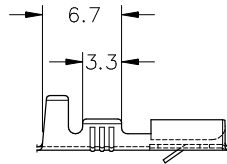


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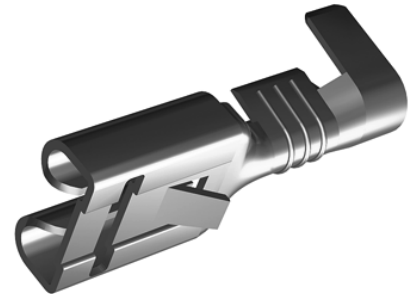
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Drawing



Secc.Z-Z



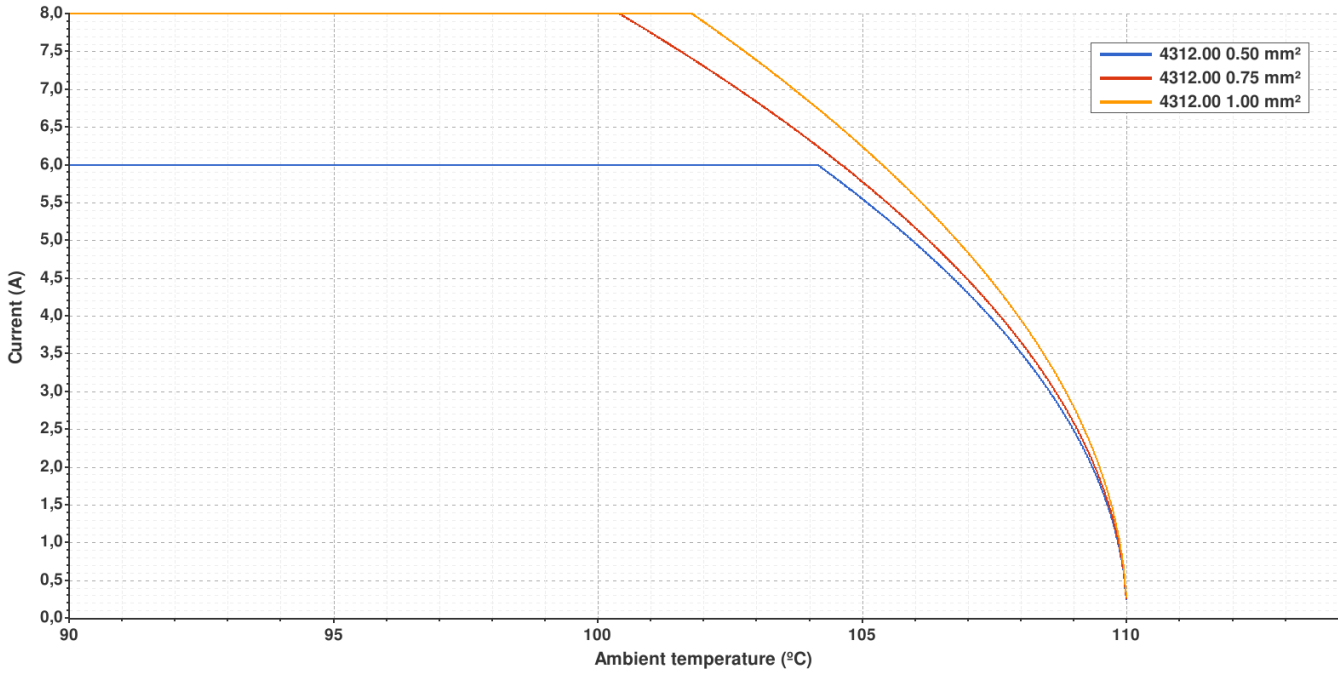
4312.00 NATURAL BRASS

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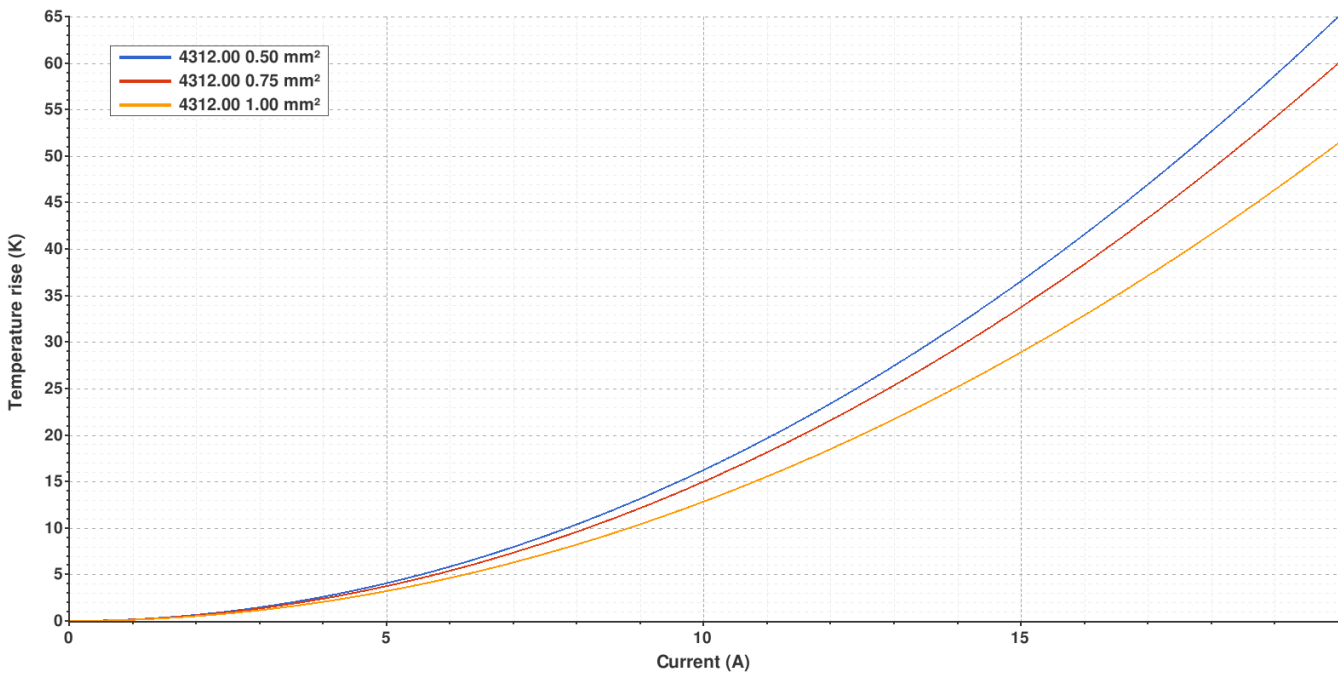
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried

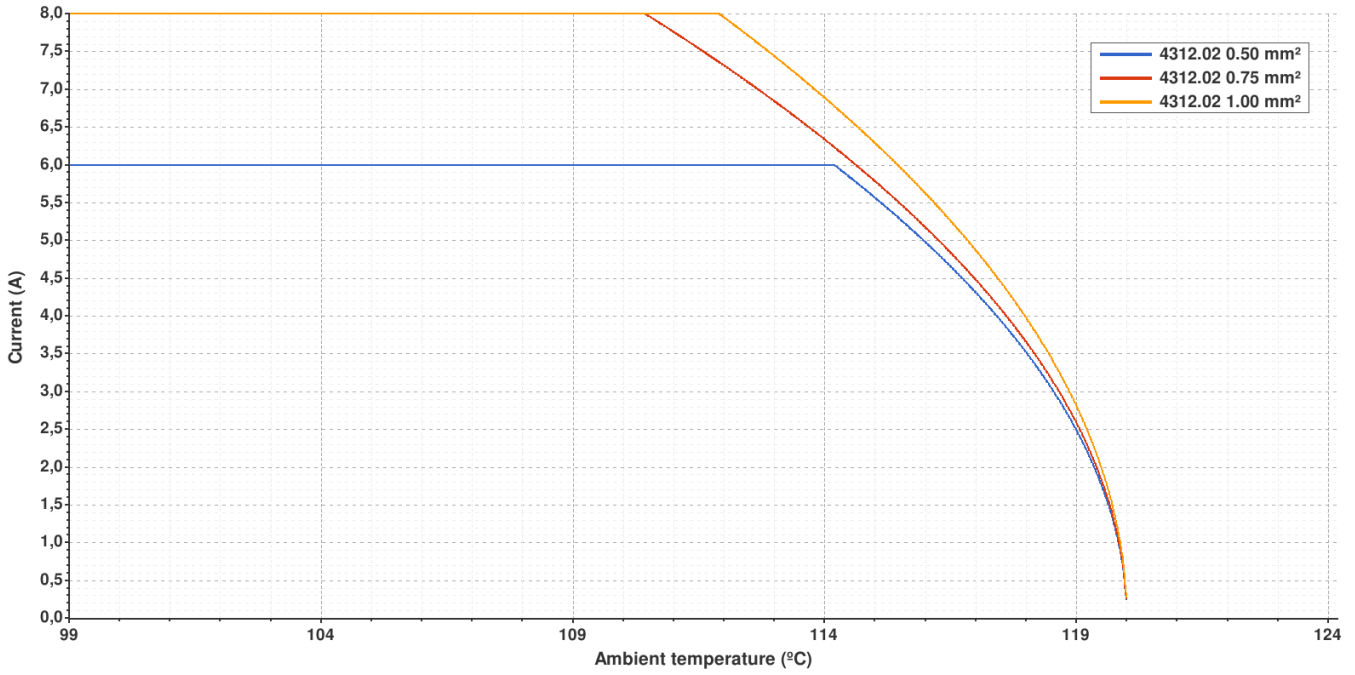


Valid for Natural Brass Tab

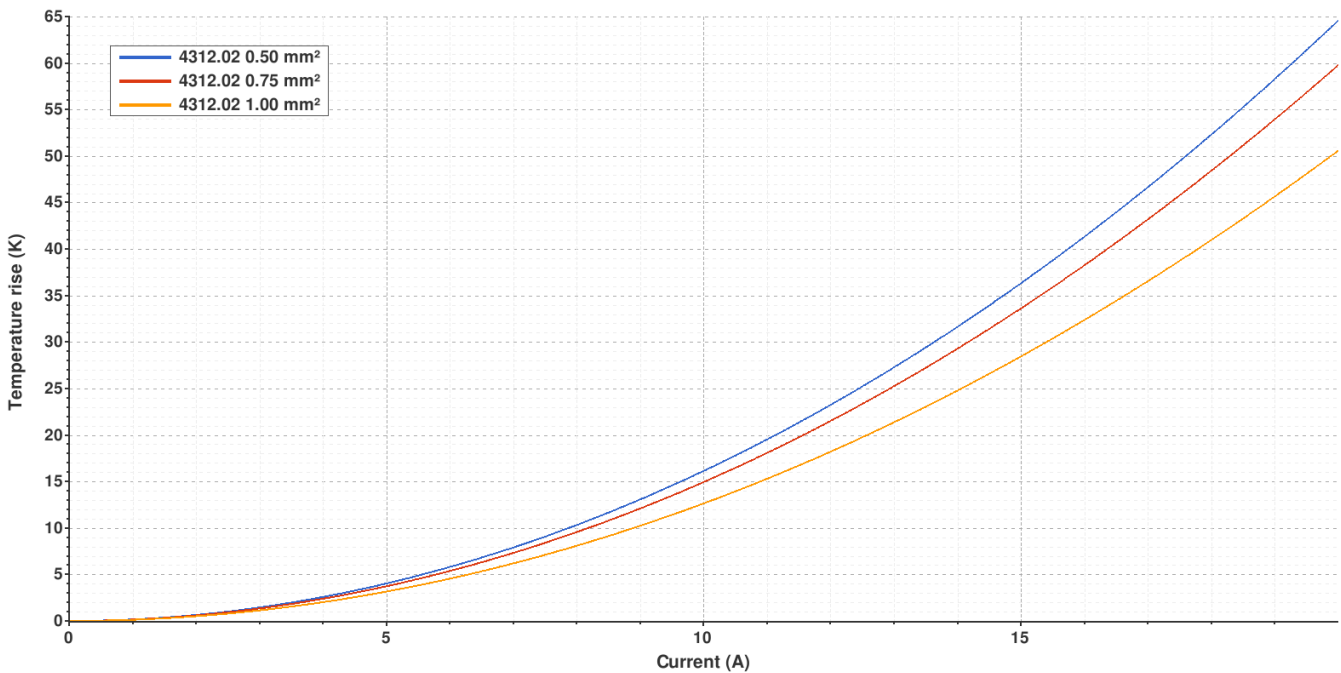
4312.02 TIN PLATED BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

4312.****4.8 (.187) TYPE SERIES · RECEPTACLES FOR CONNECTOR****Disclaimer**

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-02-15	Laboratory Dept.	E. Roura

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