

4602.** 2.8 (.110) TYPE SERIES · RECEPTACLES



For male (mm) 2,8x0,8

Wire size mm² (AWG) 0,2-0,6 (24-20)

Ø Insulation (mm) 1,5-2 FLR

Materials, temperature and contact resistance

| Part nr. | Material | Finishing | Max. Temp. (°C) | Contact Resist (mΩ) |
|----------|----------|----------------|-----------------|---------------------|
| 4602.00 | Brass | Natural | 110 | 1.75 |
| 4602.01 | Brass | Pre-tin-plated | 120 | 1.50 |

Material thickness (mm) 0,25

Max. rated current

| Wire section | 4602.00 / 01 |
|----------------------|--------------|
| 0.20 mm ² | 2A |
| 0.25 mm ² | 2A |
| 0.35 mm ² | 3A |
| 0.50 mm ² | 5A |
| 0.60 mm ² | 5,5A |

Insertion / Withdrawal forces


| | 4602.00 / 01 |
|----------------------|------------------|
| 1st Insertion (max) | 15N ¹ |
| 6th Withdrawal (min) | 9N ¹ |

¹ Valid for Natural brass tab

Application tool MN4600

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) | |
| 0.20 mm ² | 0.90 (±0.03) | 1.55 (±0.03) | 2.30 (±0.10) | 28N @ 60s |
| 0.30 mm ² | 0.95 (±0.03) | 1.55 (±0.03) | 2.30 (±0.10) | 28N @ 60s |
| 0.50 mm ² | 1.05 (±0.03) | 1.56 (±0.03) | 2.31 (±0.10) | 56N @ 60s |
| 0.60 mm ² | 1.10 (±0.05) | 1.56 (±0.05) | 2.30 (±0.10) | 56N @ 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**

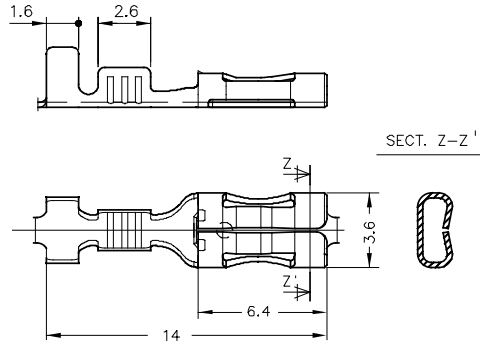
Approvals



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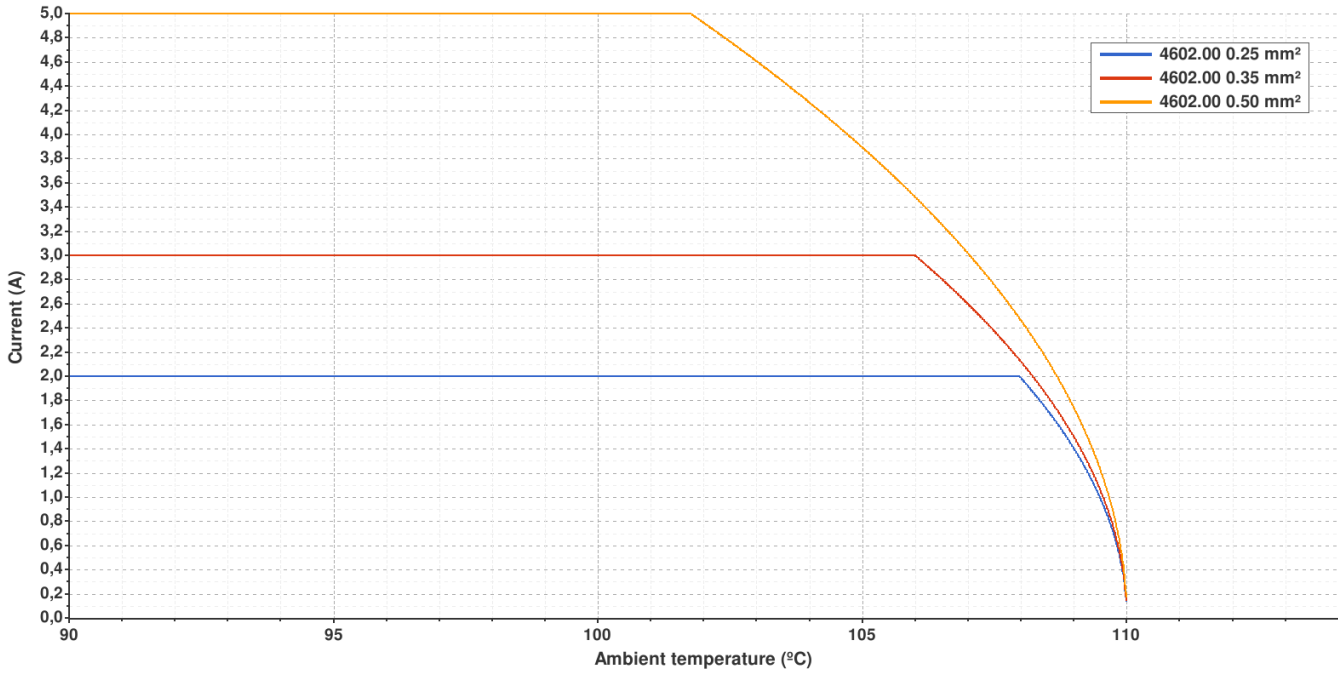
Drawing



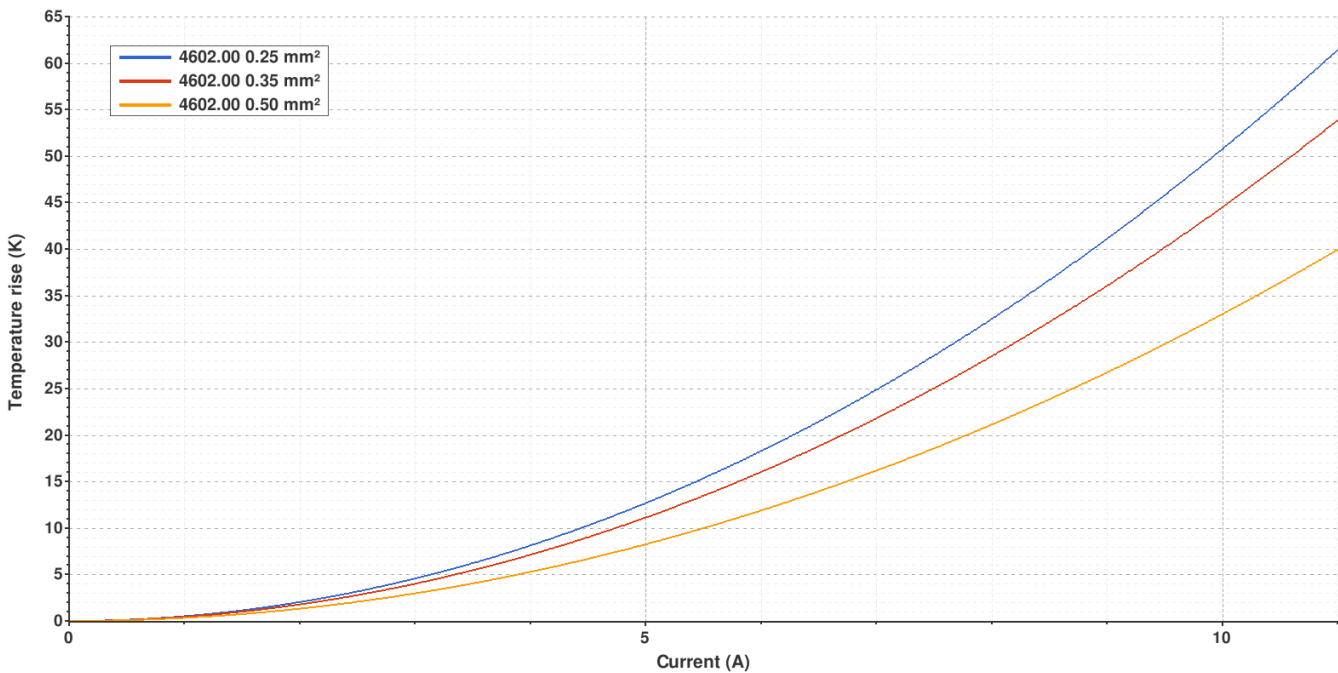
4602.00 NATURAL BRASS
2.8 (.110) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

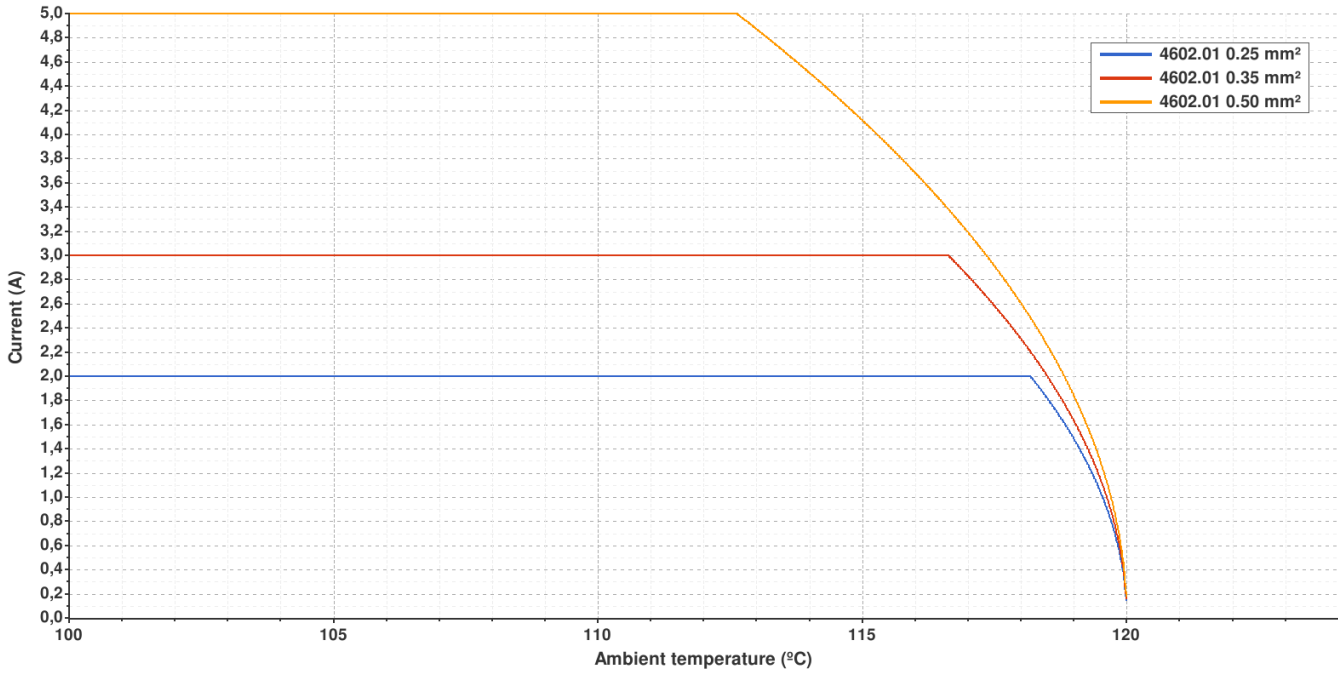


Valid for Natural brass tab

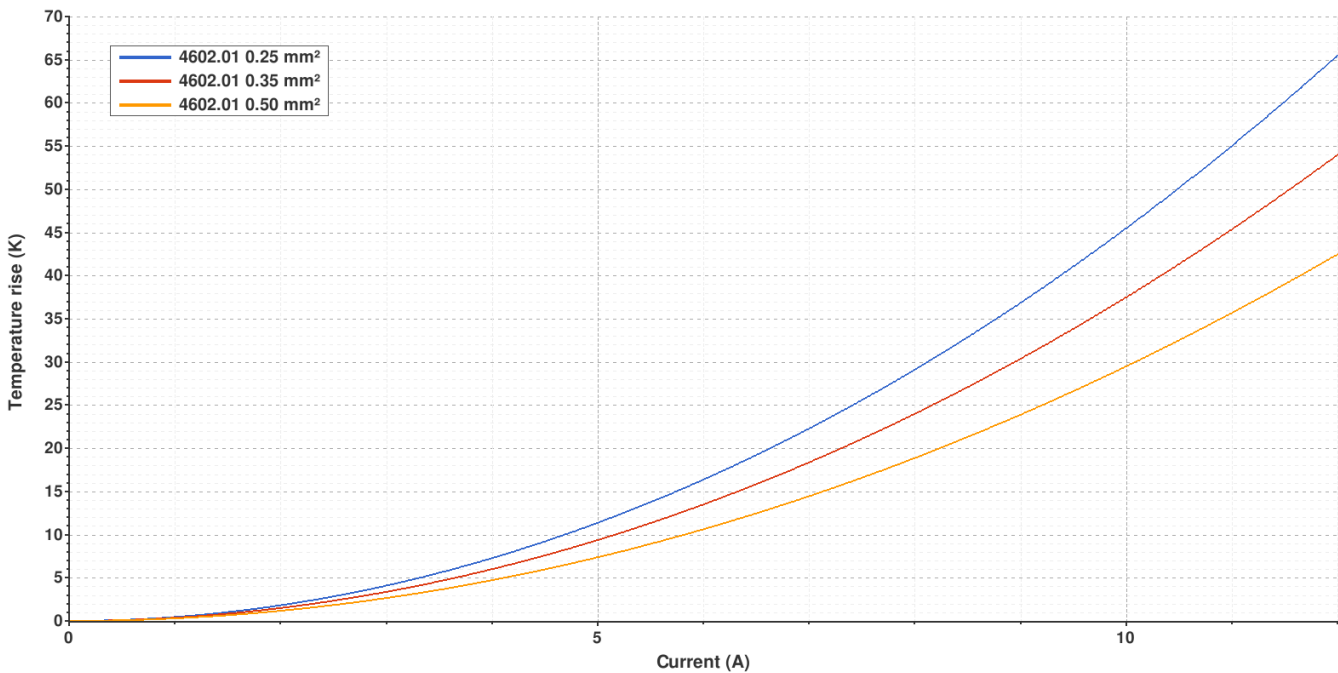
4602.01 PRE-TIN-PLATED BRASS
2.8 (.110) TYPE SERIES · RECEPTACLES



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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| 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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