



4314.**
4.8 (.187) TYPE SERIES · RECEPTACLES FOR CONNECTOR



Specification Standard Terminals

For male (mm) 4,8x0,8

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) |
|----------|----------|------------|-----------------|---------------------|
| 4314.00 | Brass | Natural | 110 | 0.80 |
| 4314.02 | Brass | Tin plated | 120 | 0.65 |
| 4314.30 | Bronze | Natural | 120 | 0.90 |
| 4314.32 | Bronze | Tin plated | 130 | 0.75 |

Material thickness (mm) 0,3

Max. rated current

| Wire section | 4314.00 / 02 / 30 / 32 |
|----------------------|------------------------|
| 0.50 mm ² | 6A |
| 0.75 mm ² | 8A |
| 1.00 mm ² | 8A |

Insertion / Withdrawal forces


| | 4314.00 / 02 / 30 / 32 |
|-----------------------|------------------------|
| 1st Insertion (max) | 30N ¹ |
| 1st Withdrawal (max) | 35N ¹ |
| 10th Withdrawal (min) | 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) | | |
| 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



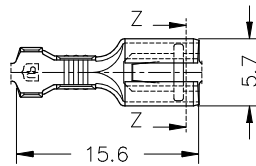
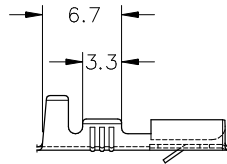


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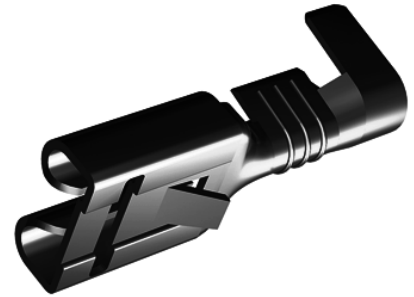
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Drawing



Secc.Z-Z





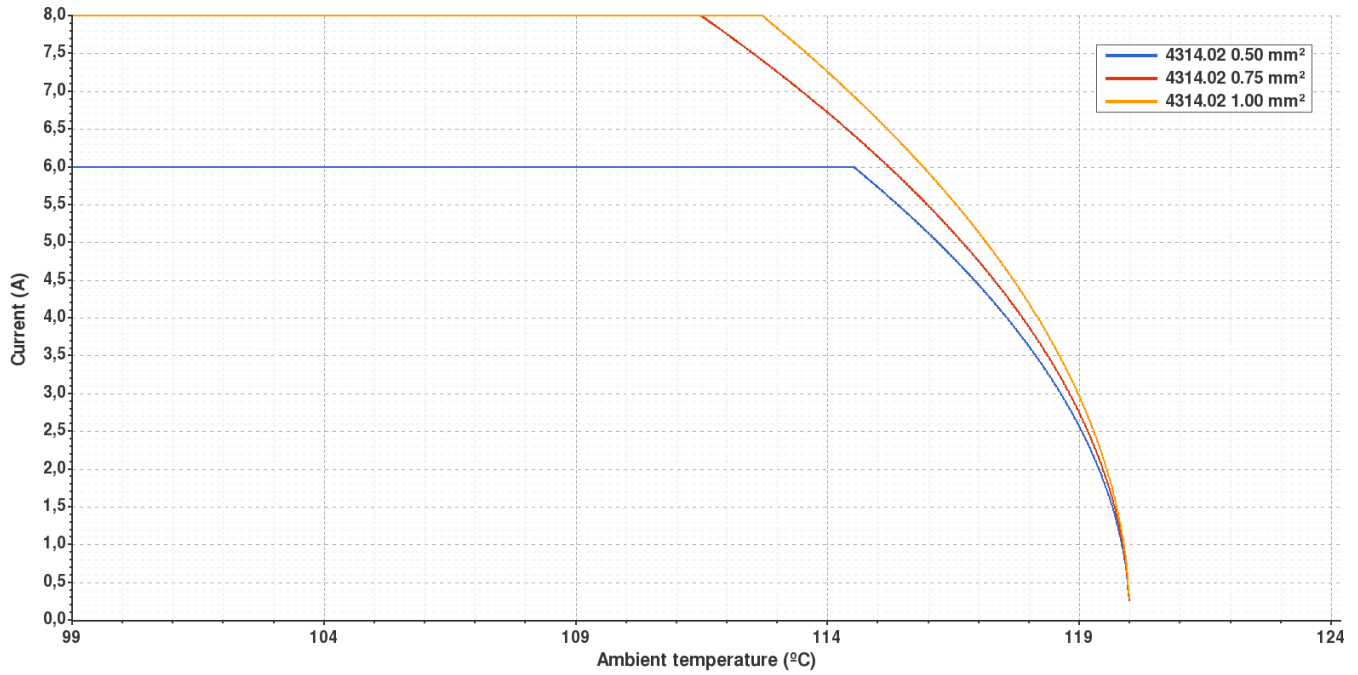
4314.02 TIN PLATED BRASS

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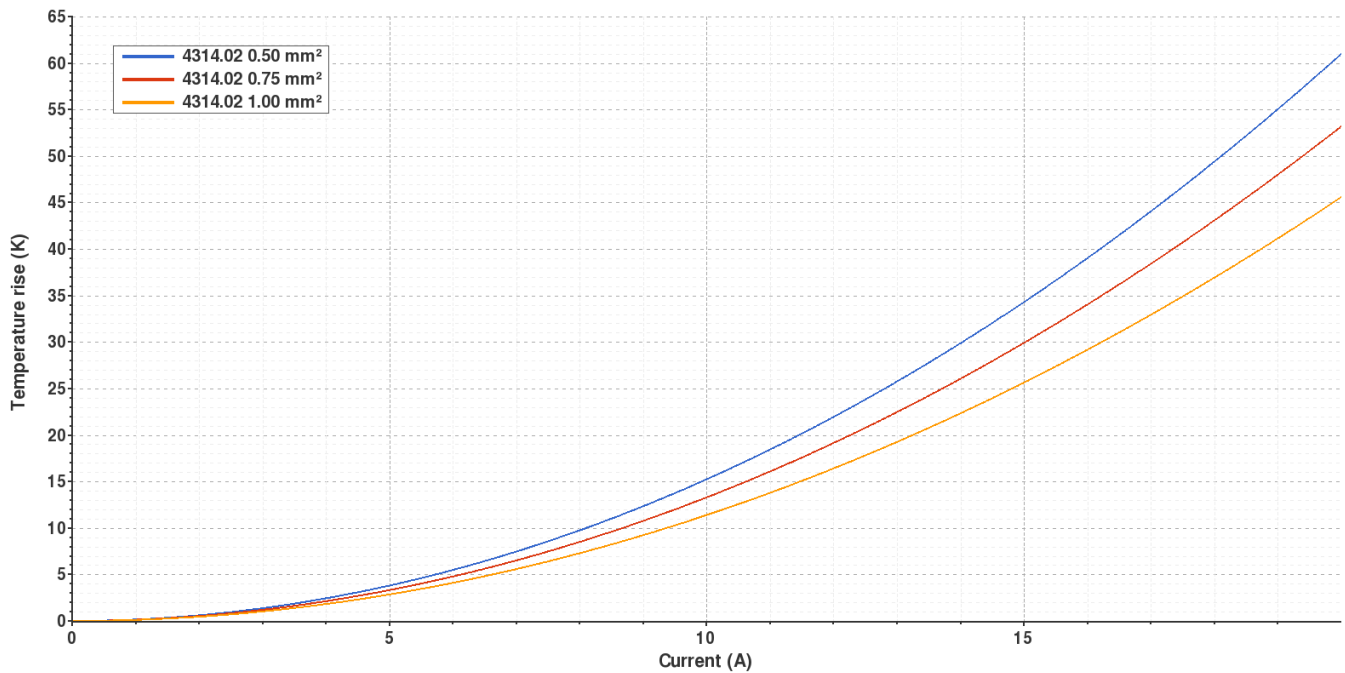
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



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Disclaimer

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| Rev. Nr. | Concept | Date | Created/Revised | Approved |
|----------|--|------------|------------------|----------|
| A1 | Datasheet generated automatically [A1] | 2019-02-15 | Laboratory Dept. | E. Roura |

Especialitats Elèctriques Escubedo S.A.U. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain
Tel.: 34 972 171 706 · Fax: +34 972 171 714 · info@escubedo.com · www.escubedo.com