



4422.**

6.3 (.250) TYPE SERIES · RECEPTACLES



Specification Standard Terminals

For male (mm) 6,3x0,8

Din 46247

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 3-4,3

Materials, temperature and contact resistance

| Part nr. | Material | Finishing | Max. Temp. (°C) | Contact Resist (mΩ) |
|----------|----------|---------------|-----------------|---------------------|
| 4422.00 | Brass | Natural | 110 | 0.55 |
| 4422.02 | Brass | Tin plated | 120 | 0.45 |
| 4422.24 | Steel | Nickel-plated | 300 | 1.50 |
| 4422.30 | Bronze | Natural | 120 | 0.75 |
| 4422.32 | Bronze | Tin plated | 130 | 0.65 |

Material thickness (mm) 0,4

Max. rated current

| Wire section | 4422.00 / 02 / 24 / 30 / 32 |
|----------------------|-----------------------------|
| 1.00 mm ² | 12A |
| 1.50 mm ² | 16A |
| 2.50 mm ² | 20A |

Insertion / Withdrawal forces


| | 4422.00 / 24 / 30 | 4422.02 / 32 |
|-----------------------|-------------------|------------------|
| 1st Insertion (max) | 60N ¹ | 80N ¹ |
| 1st Withdrawal (max) | 60N ¹ | 80N ¹ |
| 10th Withdrawal (min) | 18N ¹ | 13N ¹ |

¹ Valid for Natural Brass Tab

Application tool MN4422

Wire strip length 5.0 (±0.5) mm

Crimping parameters & pull out force

| Wire section (±10%) | Conductor  | | Insulator | Pull-out force (N) |
|------------------------|---|--------------|--------------|-----------------------|
| | Height (mm) | Width (mm) | Width (mm) | |
| 1.00 mm ² | 1.55 (±0.05) | 3.04 (±0.05) | 4.07 (±0.10) | 108N @ 60s |
| 1.50 mm ² | 1.70 (±0.05) | 3.04 (±0.05) | 4.07 (±0.10) | 150N @ 60s |
| 2.00 mm ² | 1.80 (±0.05) | 3.05 (±0.05) | 4.09 (±0.10) | 150N @ 60s |
| 2.50 mm ² | 1.90 (±0.05) | 3.06 (±0.05) | 4.13 (±0.10) | 230N @ 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 7000

Compatible connectors 26310**, 26311**, 26313**, 26316**, 26320**, 26321**

Approved regulations

| Part nr. | Approval | Standard | File | Certified framework |
|----------|----------|----------|---------|--|
| 4422.00 | UL | UL 310 | E211727 | AWG 18-14 (16-41 Stranded Cu) / MN4422 |
| 4422.02 | UL | UL 310 | E211727 | AWG 18-14 (16-41 Stranded Cu) / MN4422 |
| 4422.24 | UL | UL 310 | E211727 | AWG 18-18 (16-16 Stranded Cu) / MN4422 |



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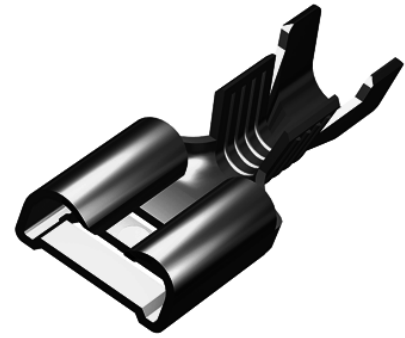
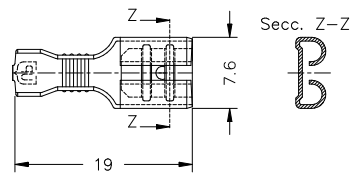
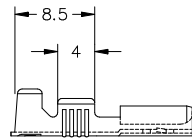
6.3 (.250) TYPE SERIES · RECEPTACLES



Approvals



Drawing

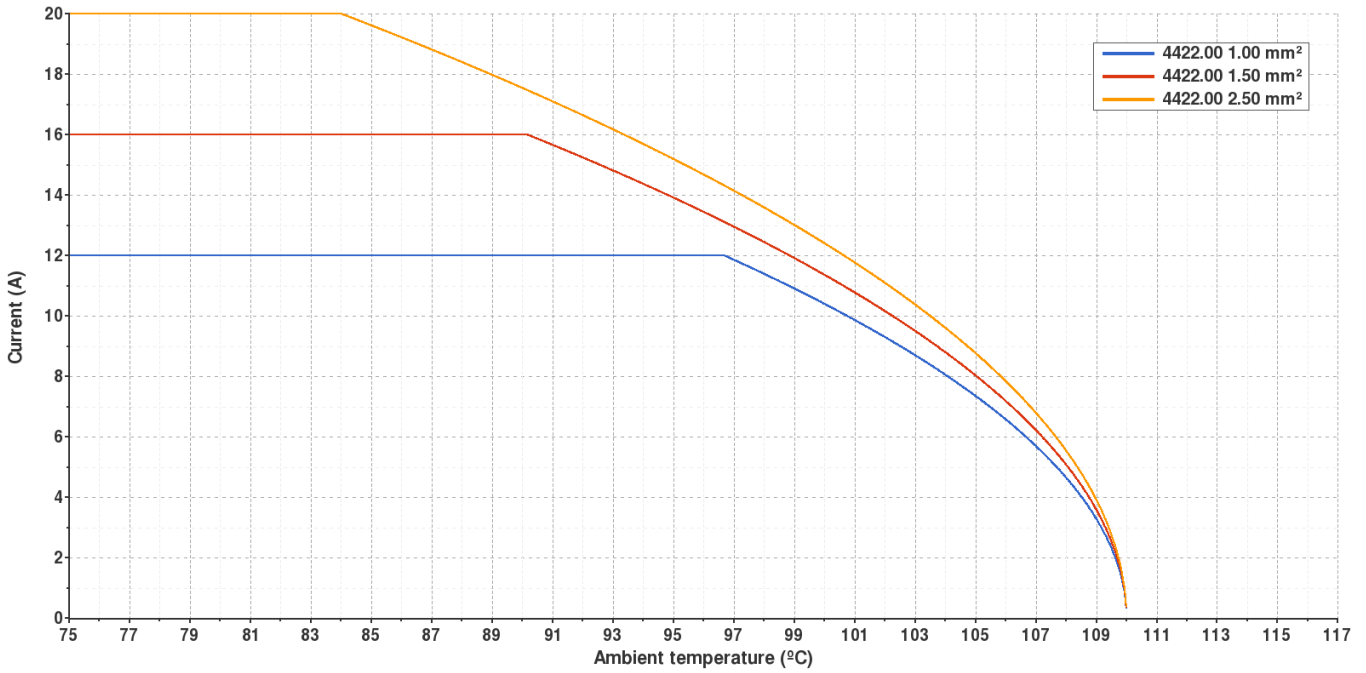




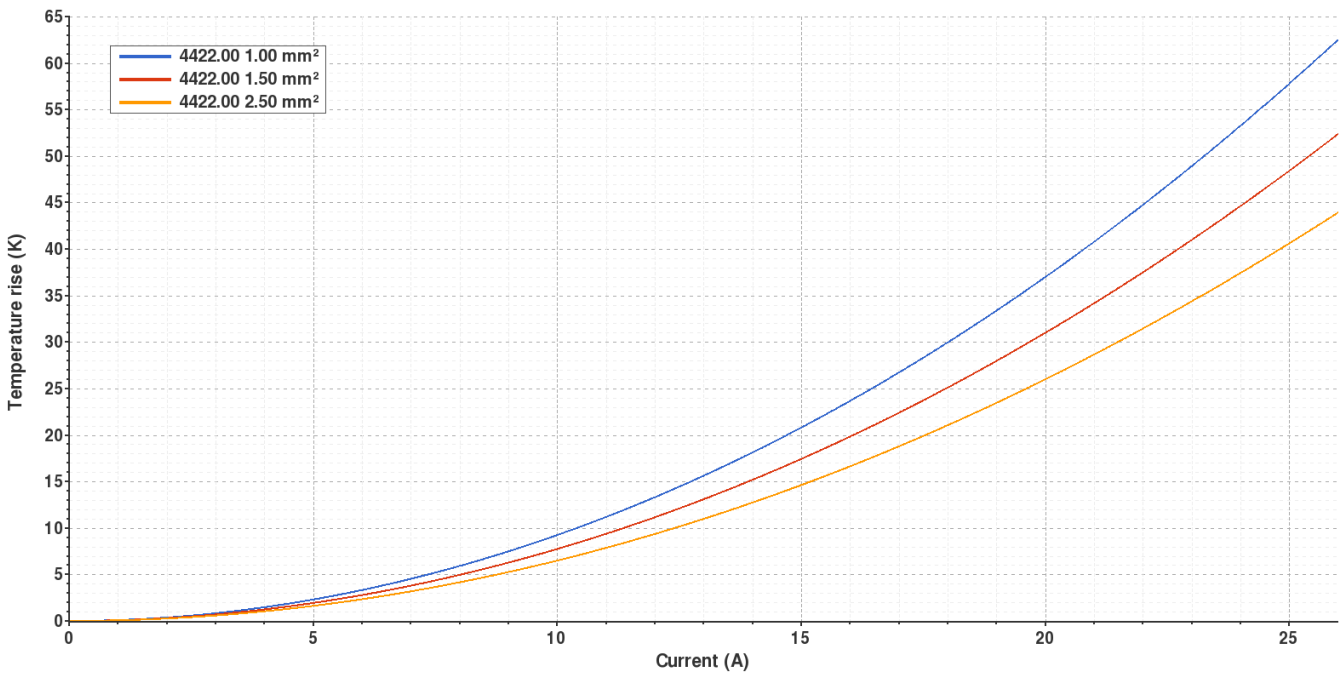
4422.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



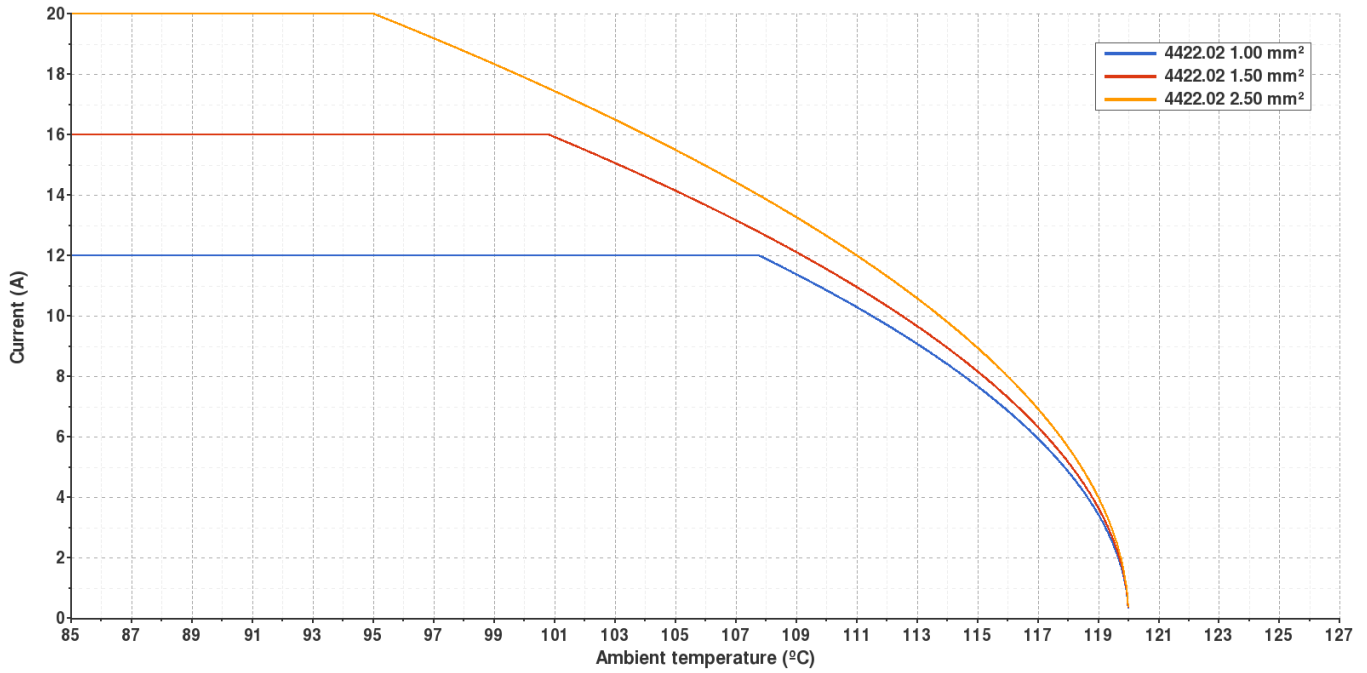
Valid for Natural Brass Tab



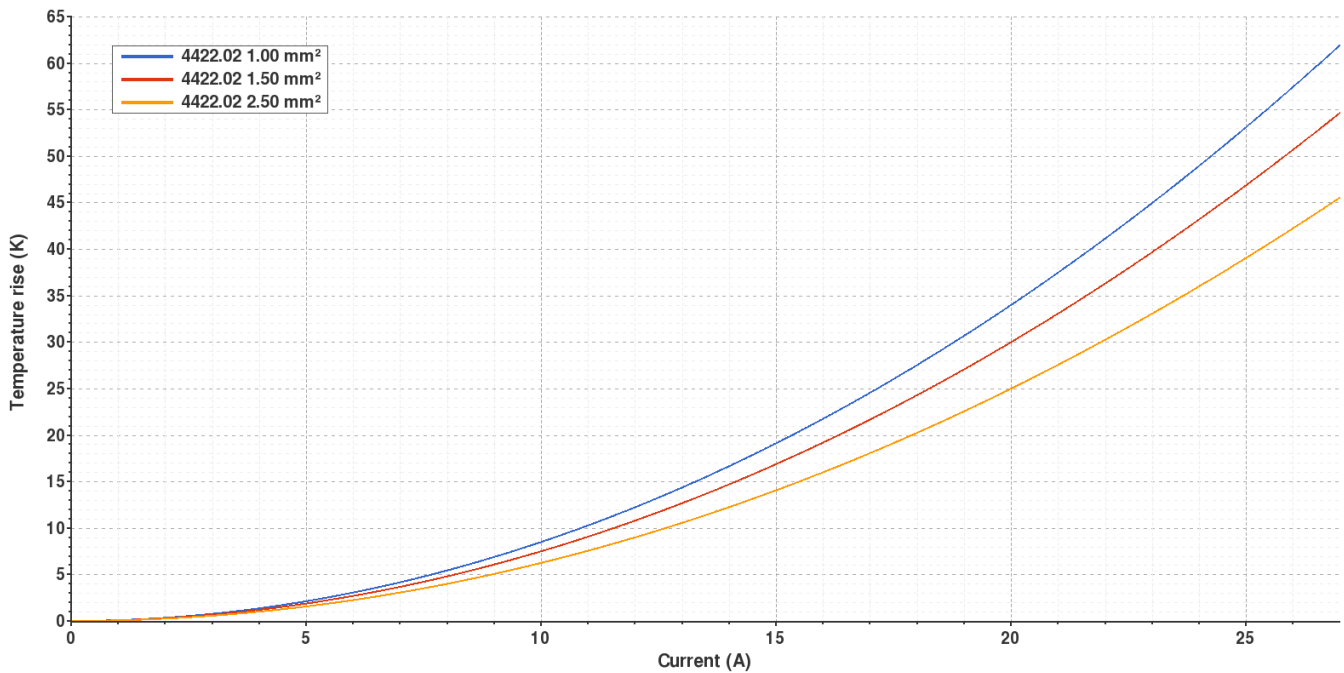
4422.02 TIN PLATED BRASS
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



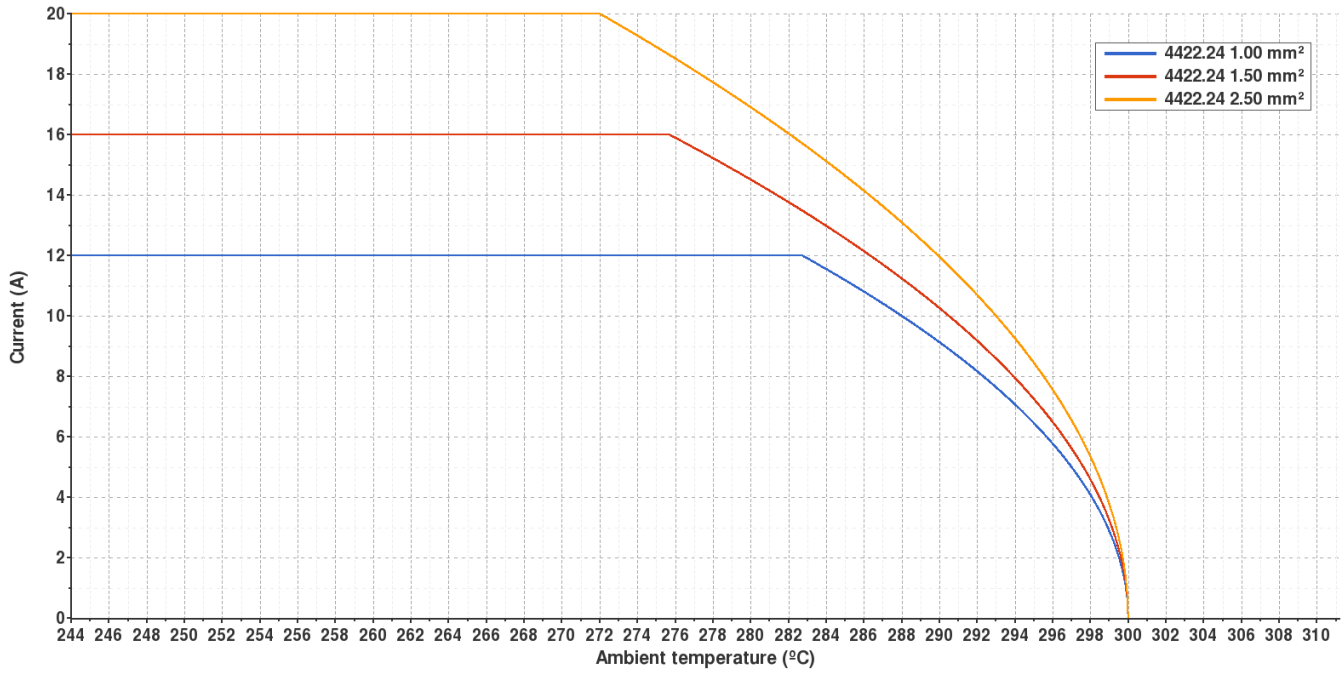
Valid for Natural Brass Tab



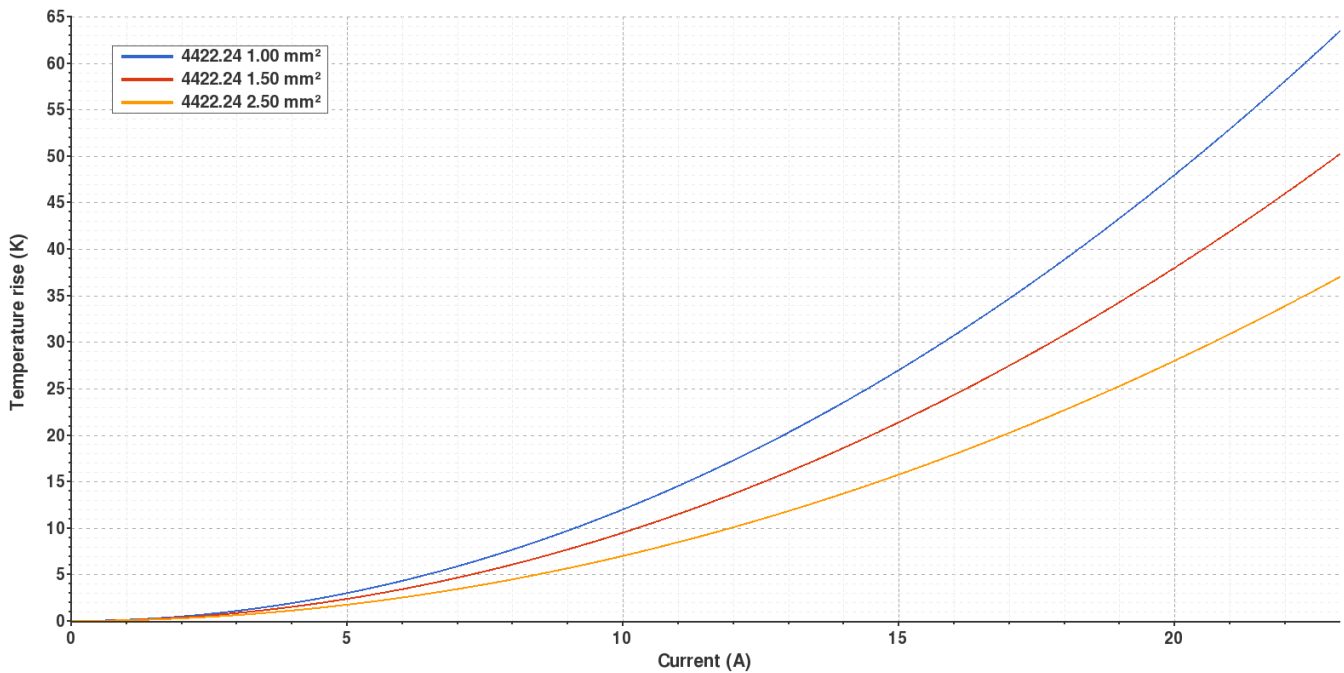
4422.24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · RECEPTACLES



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



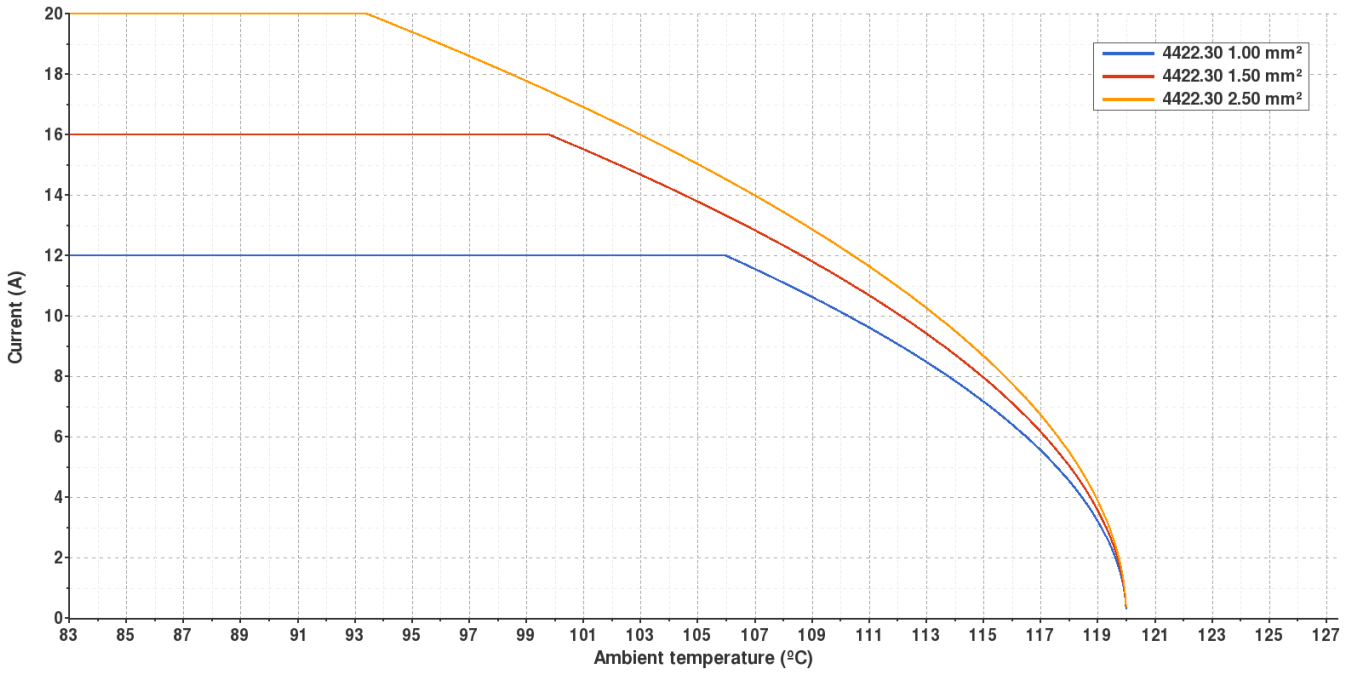
Valid for Natural Brass Tab



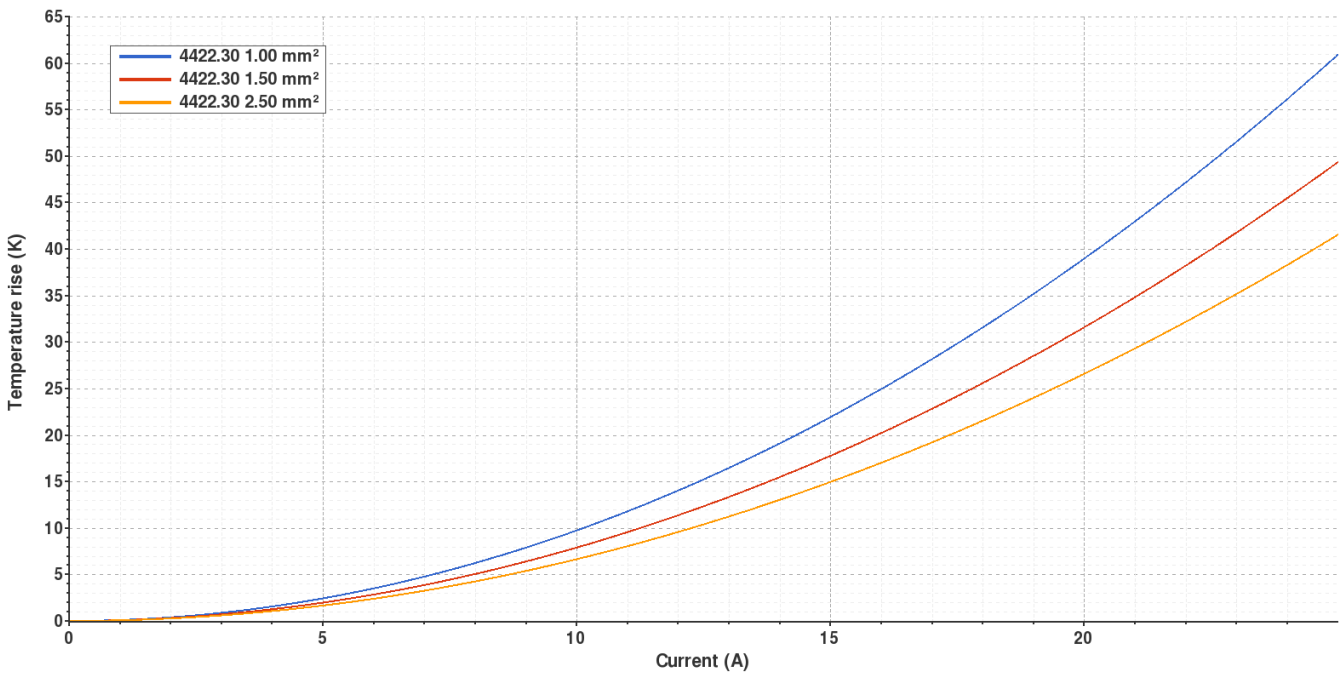
4422.30 NATURAL BRONZE
6.3 (.250) TYPE SERIES · RECEPTACLES



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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6.3 (.250) TYPE SERIES · RECEPTACLES



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