

## 4771.\*\*

### 4.8 (.187) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



**Specification** Self-locking terminals under TP design

**For male (mm)** 4,8x0,5

**Wire size mm<sup>2</sup> (AWG)** 0,5-1,5 (20-16)

**Ø Insulation (mm)** 1,8-2,3

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4771.00	Brass	Natural	110	1.50
4771.01	Brass	Pre-tin-plated	120	1.25
4771.24	Steel	Nickel-plated	300	2.50
4771.51	Cu. Alloy	Pre-tin-plated	150	0.75

**Material thickness (mm)** 0,35

**Max. rated current**

Wire section	4771.00 / 01 / 24 / 51
0.50 mm <sup>2</sup>	8A
0.75 mm <sup>2</sup>	10A
1.00 mm <sup>2</sup>	12A
1.50 mm <sup>2</sup>	16A

**Insertion / Withdrawal forces**

	4771.00 / 01 / 24 / 51
1st Insertion (max)	25N <sup>1</sup>
1st Withdrawal (max)	25N <sup>1</sup>
1st Withdrawal (min, locking enabled)	70N <sup>1</sup>

<sup>1</sup> Valid for Natural Brass Tab


**Security function**

Self-locking function prevents disconnection by pulling the cable. Disconnection is possible disabling the locking function, pressing the lever manually or sliding the connector (see withdrawal forces). It allows several connections-disconnections maintaining the functional features.

**Application tool** MN4771

**Wire strip length** 4.5 (±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 <sup>2</sup>	1.30 (±0.03)	2.36 (±0.03)	3.12 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.40 (±0.05)	2.37 (±0.05)	3.13 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.50 (±0.05)	2.38 (±0.05)	3.15 (±0.10)	108N @ 60s
1.50 mm <sup>2</sup>	1.65 (±0.05)	2.41 (±0.05)	3.18 (±0.10)	150N @ 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** 6000

**Compatible connectors** 24817\*\*

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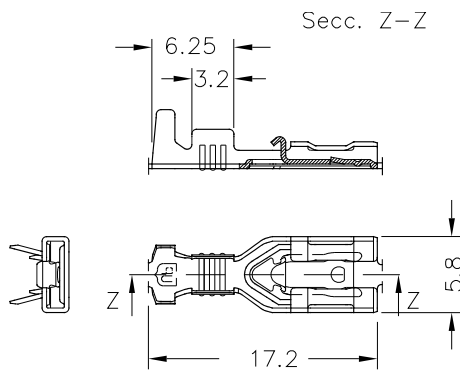
#### Approved regulations

Part nr.	Approval	Standard	File	Certified framework
4771.00	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4771 or MN4775
4771.01	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4771 or MN4775
4771.24	UL	UL 310	E211727	AWG 20-16 (10-26 Stranded Cu) / MN4771 or MN4775

#### Approvals



#### Drawing

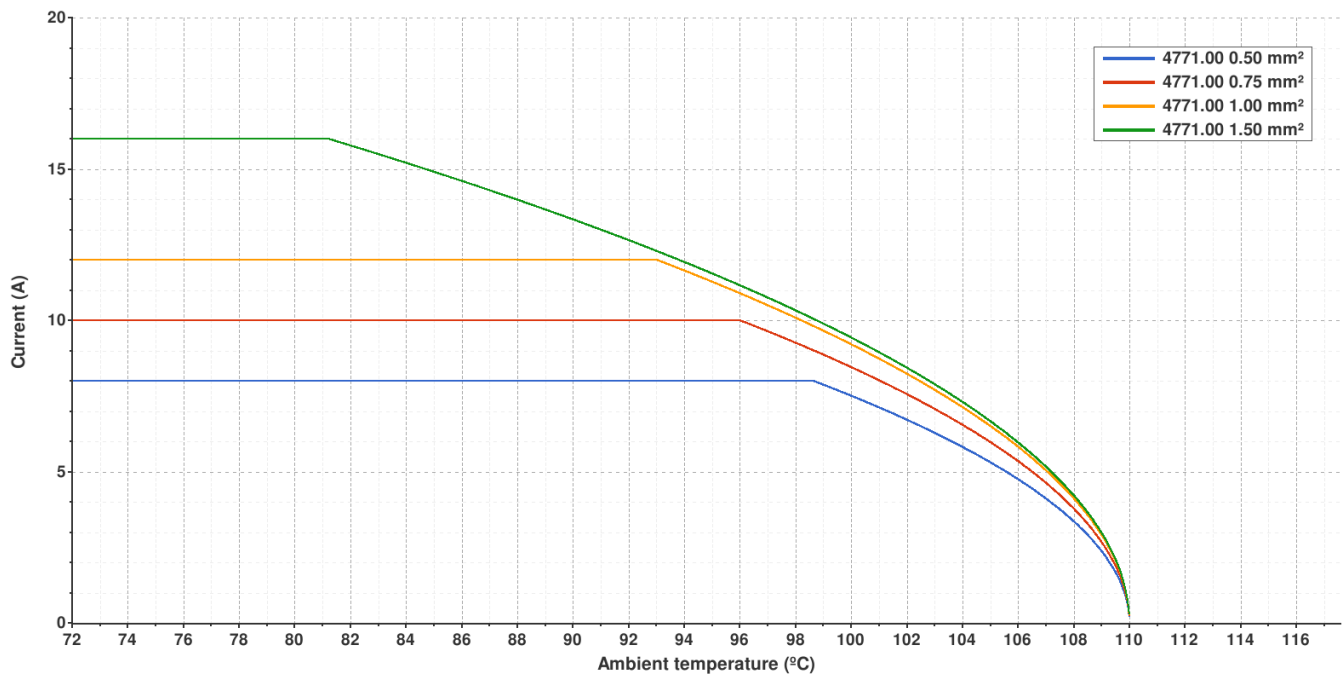


**4771.00 NATURAL BRASS**

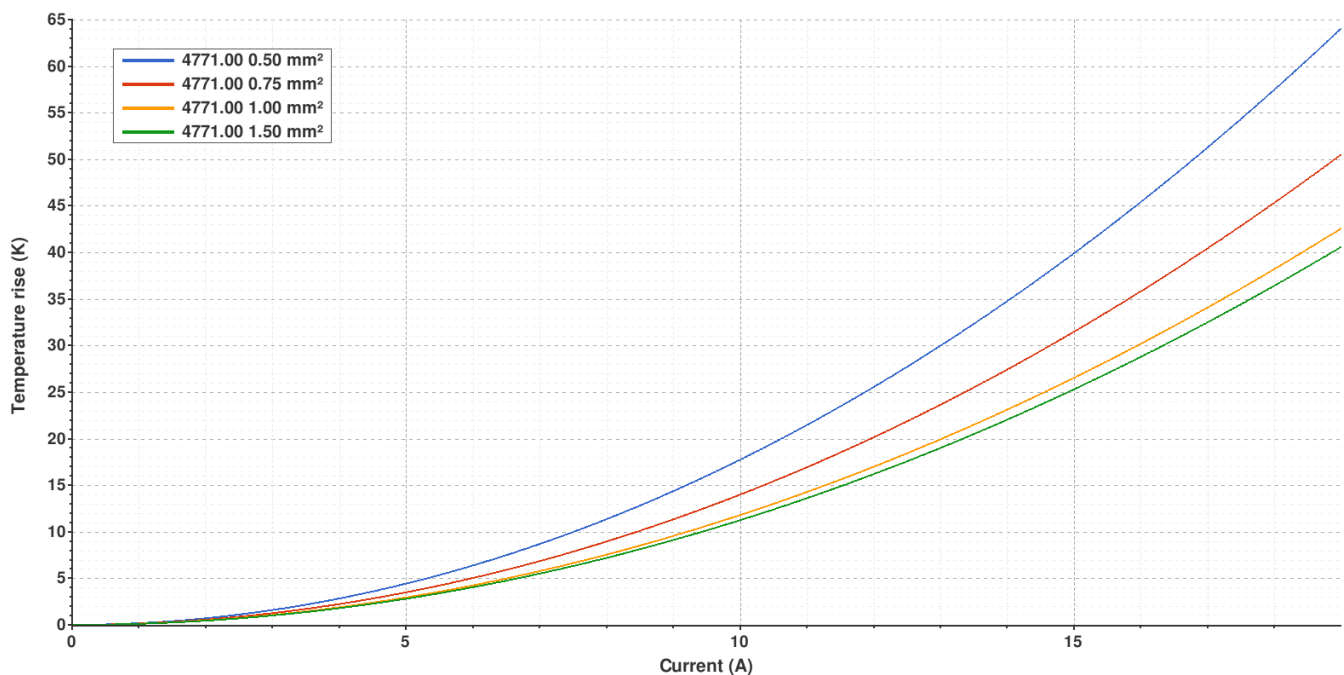


**4.8 (.187) TYPE SERIES · RECEPTACLES**  
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

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



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



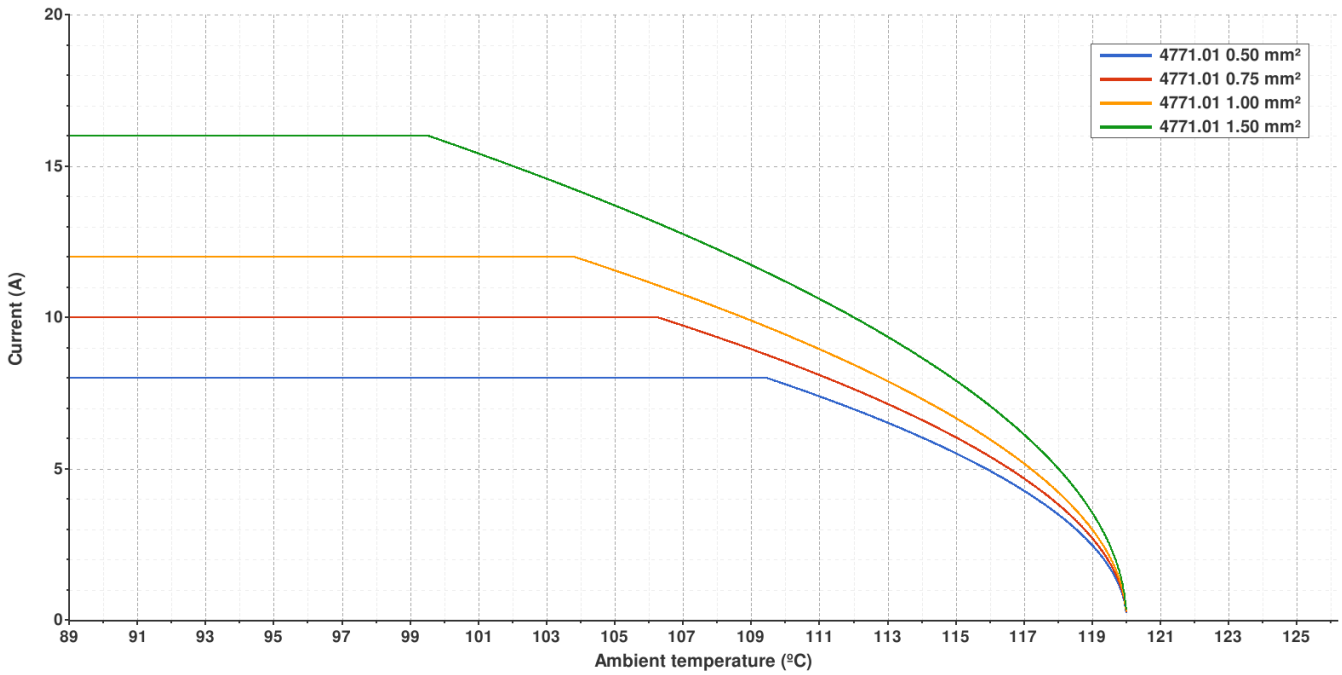
Valid for Natural Brass Tab

**4771.01 PRE-TIN-PLATED BRASS**

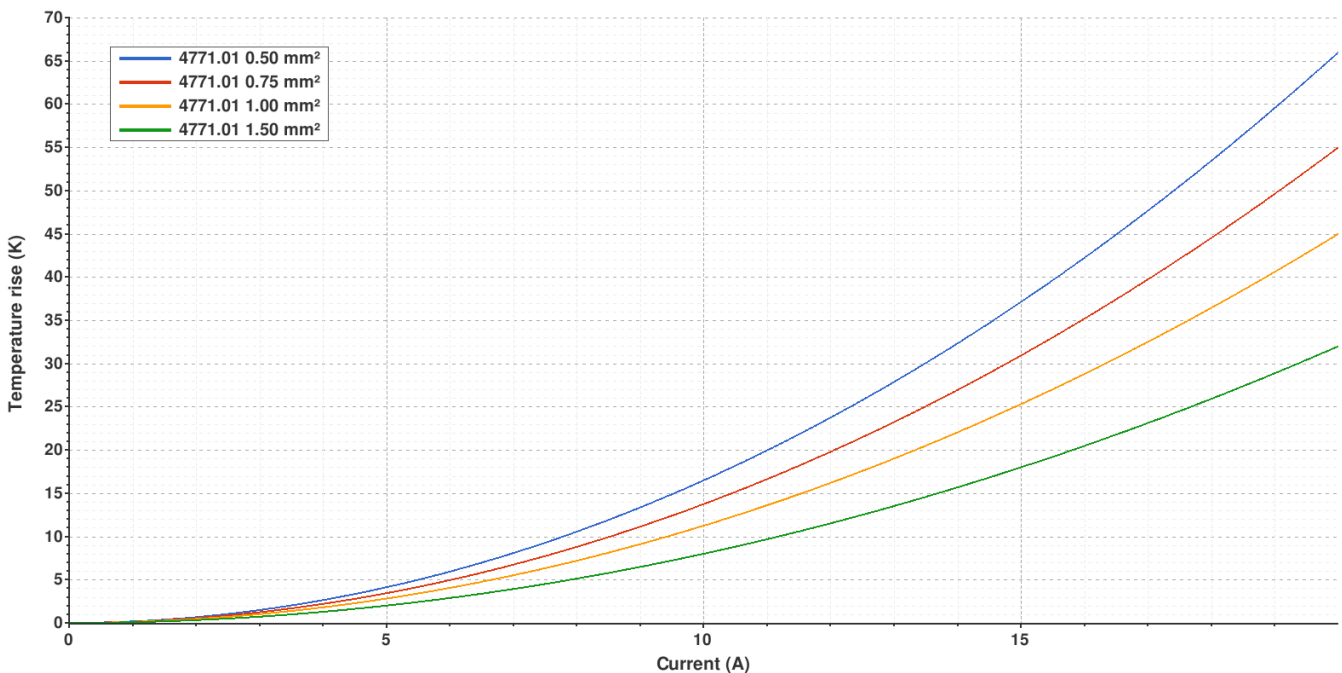


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SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

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



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



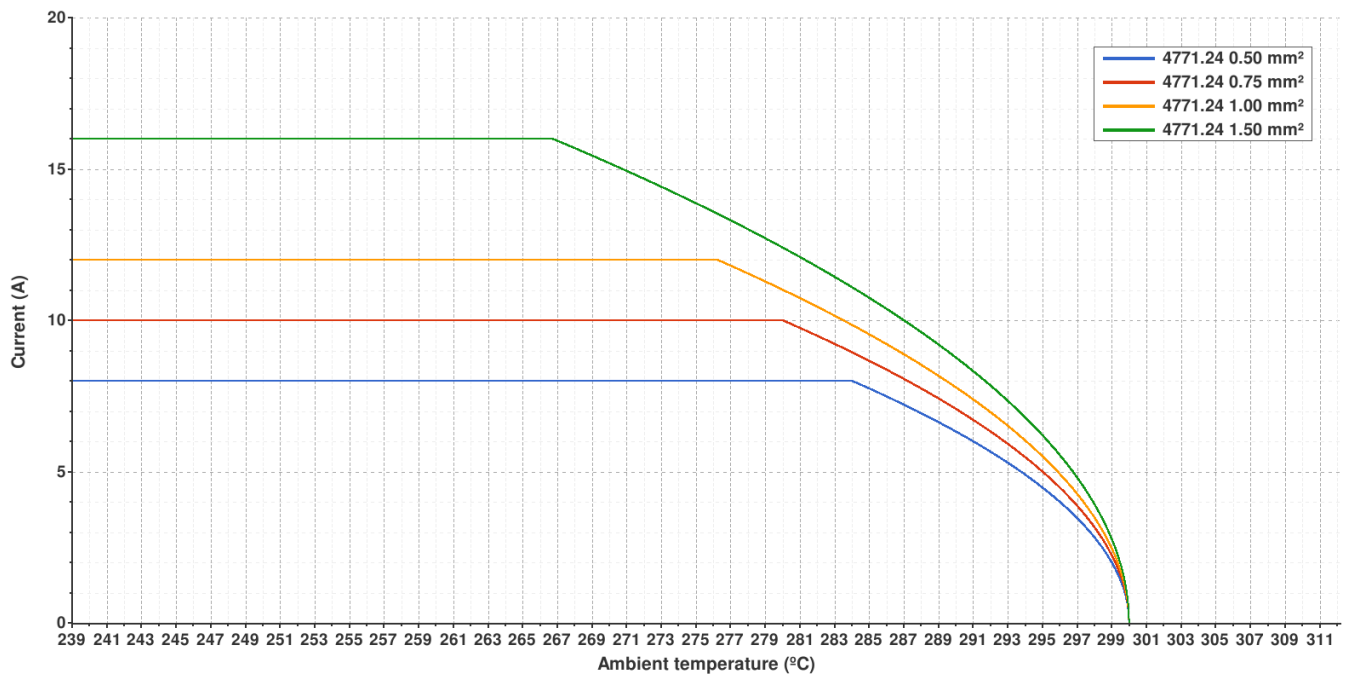
Valid for Natural Brass Tab

**4771.24 NICKEL-PLATED STEEL**

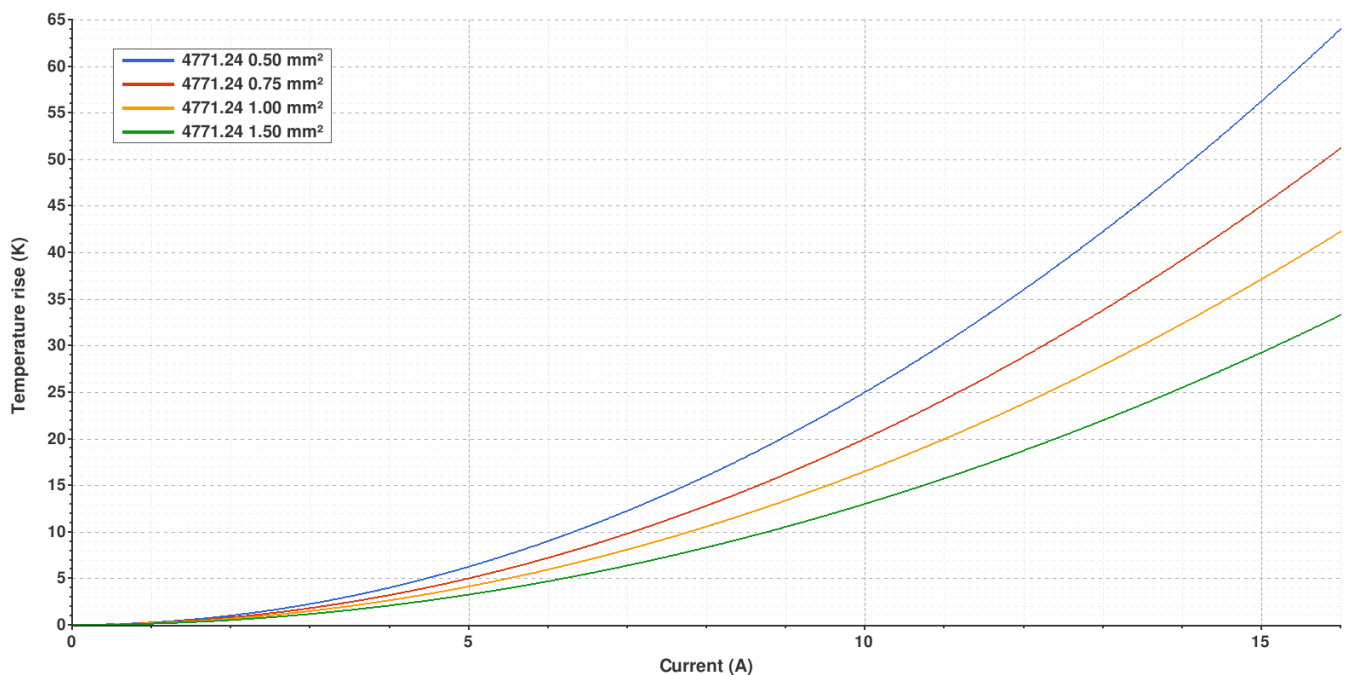


**4.8 (.187) TYPE SERIES · RECEPTACLES**  
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

**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
A5	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A4	Correction - Subtitle of the datasheet	2019-03-21	Laboratory Dept.	E. Roura
A3	Update de-rating curve 4771.01	2019-01-31	Laboratory Dept.	E. Roura
A2	Update de-rating curve	2018-11-27	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-09-19	Laboratory Dept.	E. Roura

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