

## 5732.\*\*

### 6.3 (.250) TYPE SERIES · FLAGS

#### SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



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

**For male (mm)** 6,3x0,8

**Wire size mm<sup>2</sup> (AWG)** 1-2,5 (18-14)

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5732.00	Brass	Natural	110	1.50
5732.01	Brass	Pre-tin-plated	120	0.75
5732.24	Steel	Nickel-plated	300	2.50
5732.51	Cu. Alloy	Pre-tin-plated	150	0.50

**Material thickness (mm)** 0,4

**Max. rated current**

Wire section	5732.00 / 01 / 24 / 51
1.00 mm <sup>2</sup>	12A
1.50 mm <sup>2</sup>	16A
2.00 mm <sup>2</sup>	16A
2.50 mm <sup>2</sup>	20A

**Insertion / Withdrawal forces**

	5732.00 / 01 / 51	5732.24
1st Insertion (max)	25N <sup>1</sup>	35N <sup>1</sup>
1st Withdrawal (max)	25N <sup>1</sup>	35N <sup>1</sup>
1st Withdrawal (min, locking enabled)	90N <sup>1</sup>	90N <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**

MN5732

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm <sup>2</sup>	1.55 (±0.05)	3.04 (±0.05)	4.39 (±0.10)	108N @ 60s
1.50 mm <sup>2</sup>	1.70 (±0.05)	3.04 (±0.05)	4.41 (±0.10)	150N @ 60s
2.00 mm <sup>2</sup>	1.80 (±0.05)	3.04 (±0.05)	4.46 (±0.10)	150N @ 60s
2.50 mm <sup>2</sup>	1.90 (±0.05)	3.06 (±0.05)	4.56 (±0.10)	230N @ 60s
14 AWG	1.85	3.09	4.55	223N @ 60s
16 AWG	1.70	3.06	4.40	133N @ 60s
18 AWG	1.55	3.06	4.40	89N @ 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**

3000

**Compatible connectors**

26433\*\*

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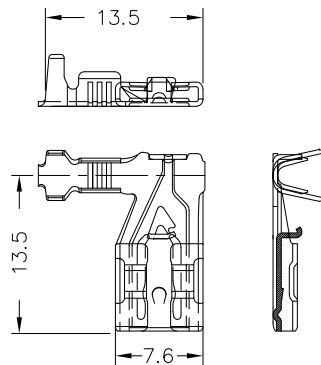
#### Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5732.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5732
5732.01	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5732
5732.24	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5732

#### Approvals



#### Drawing



**5732.00 NATURAL BRASS**

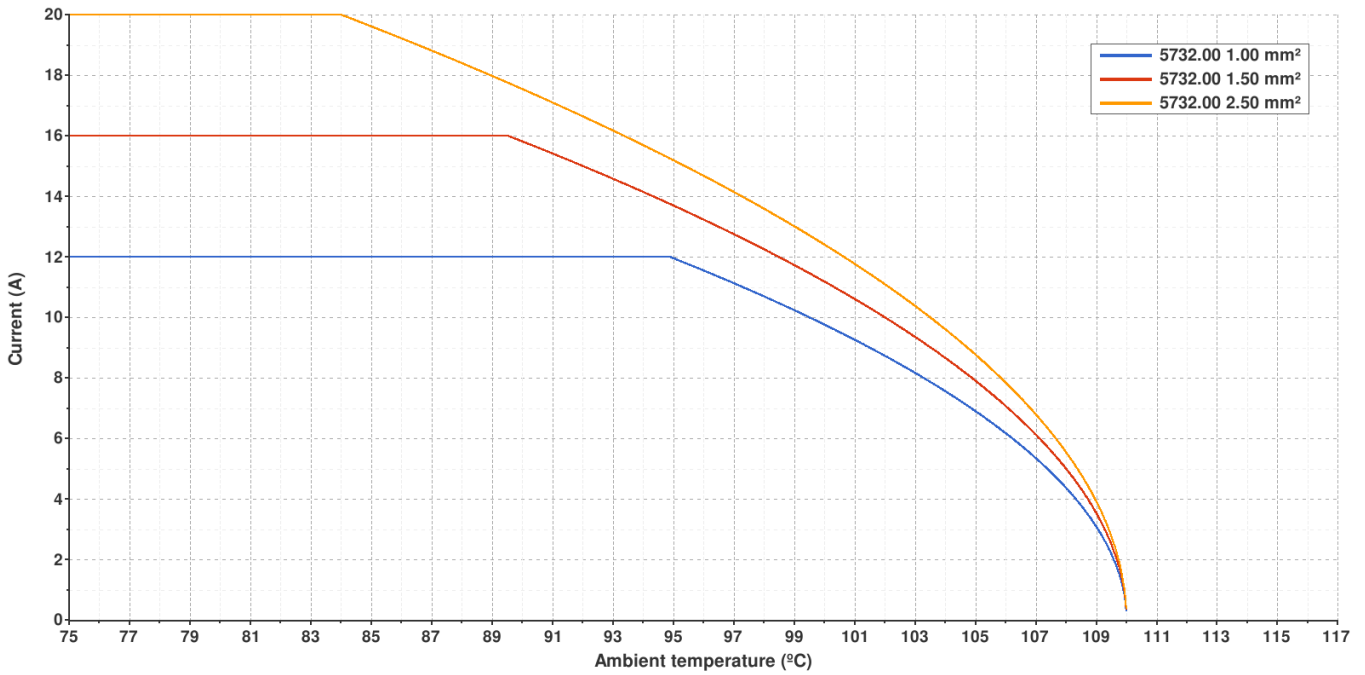


**6.3 (.250) TYPE SERIES · FLAGS**

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

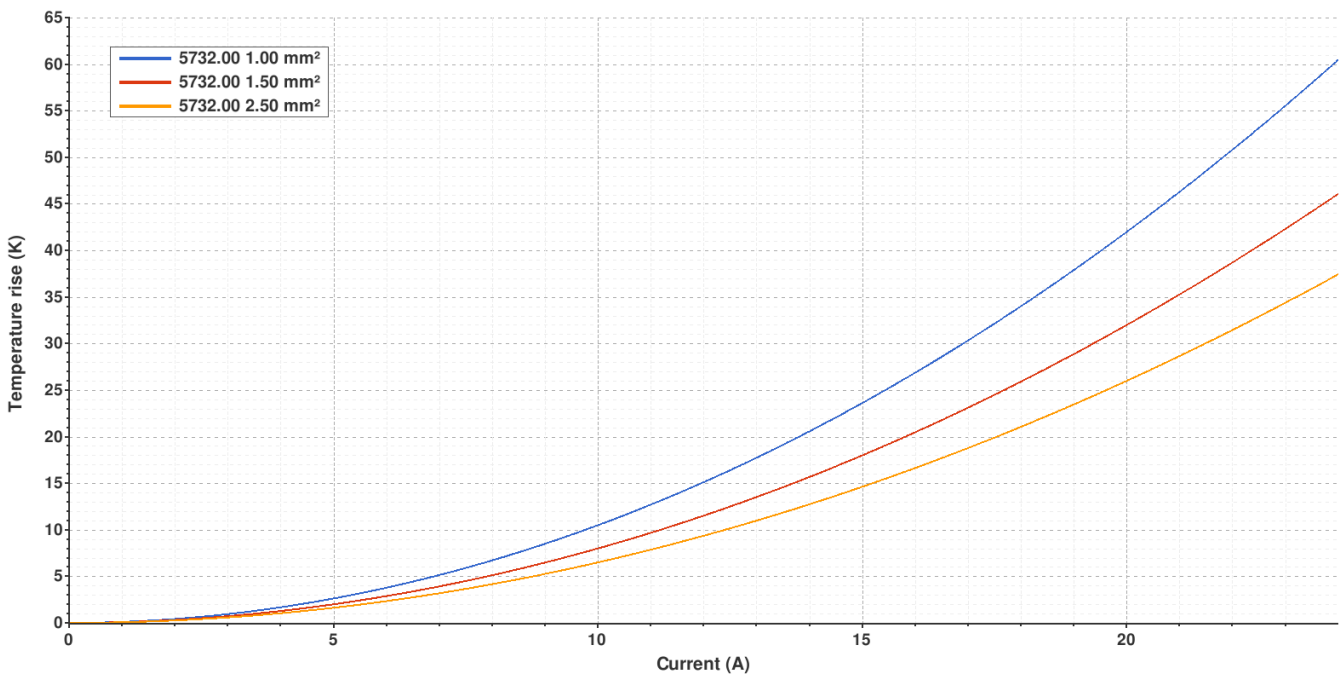
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

**5732.01 PRE-TIN-PLATED BRASS**

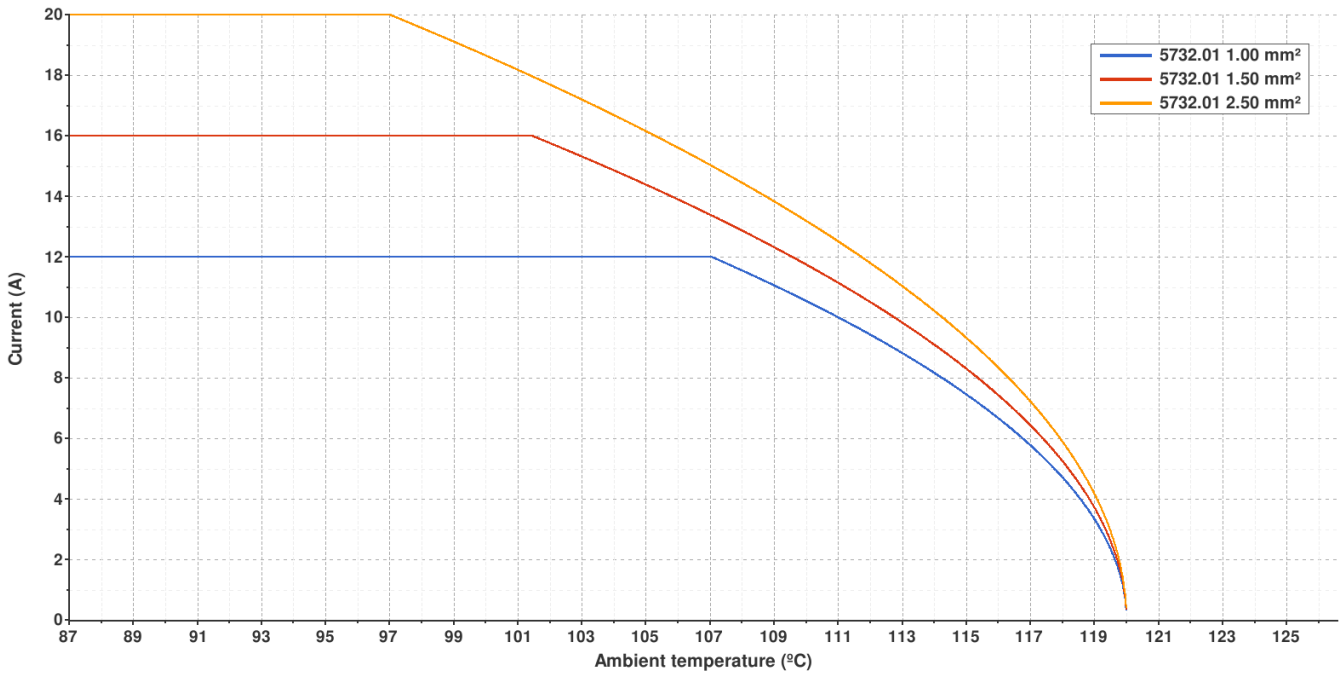


**6.3 (.250) TYPE SERIES · FLAGS**

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

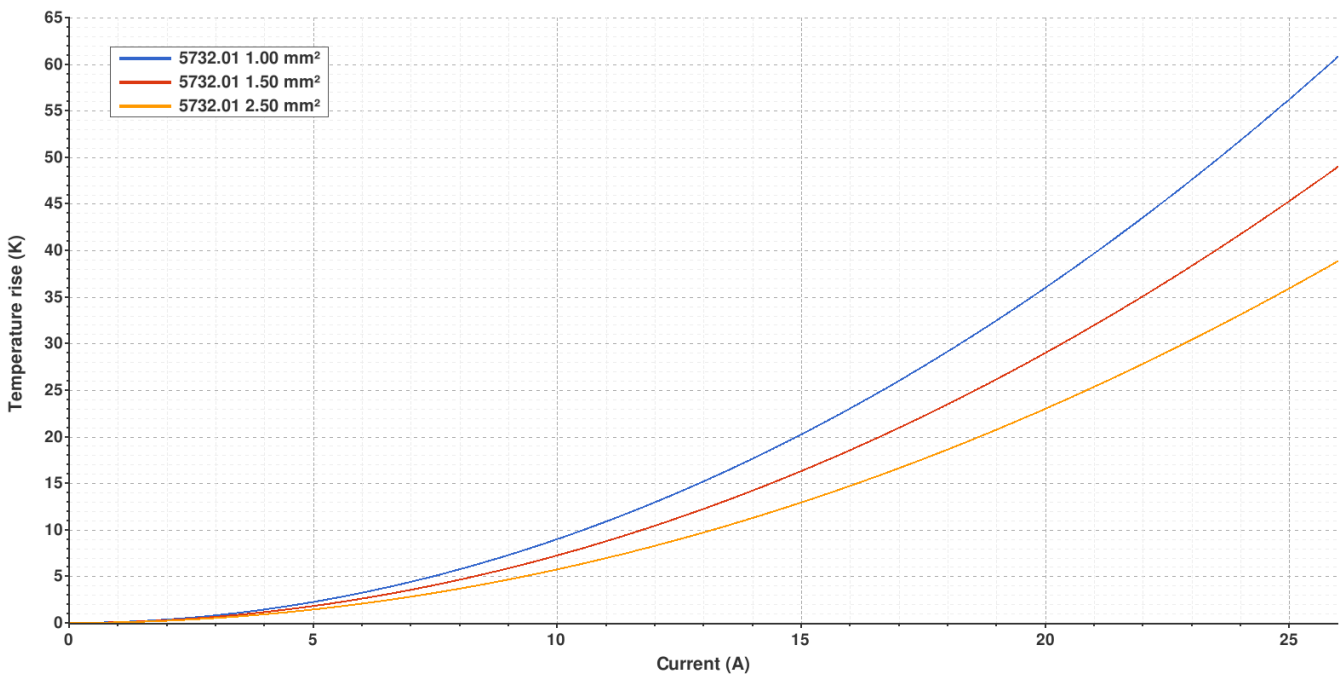
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



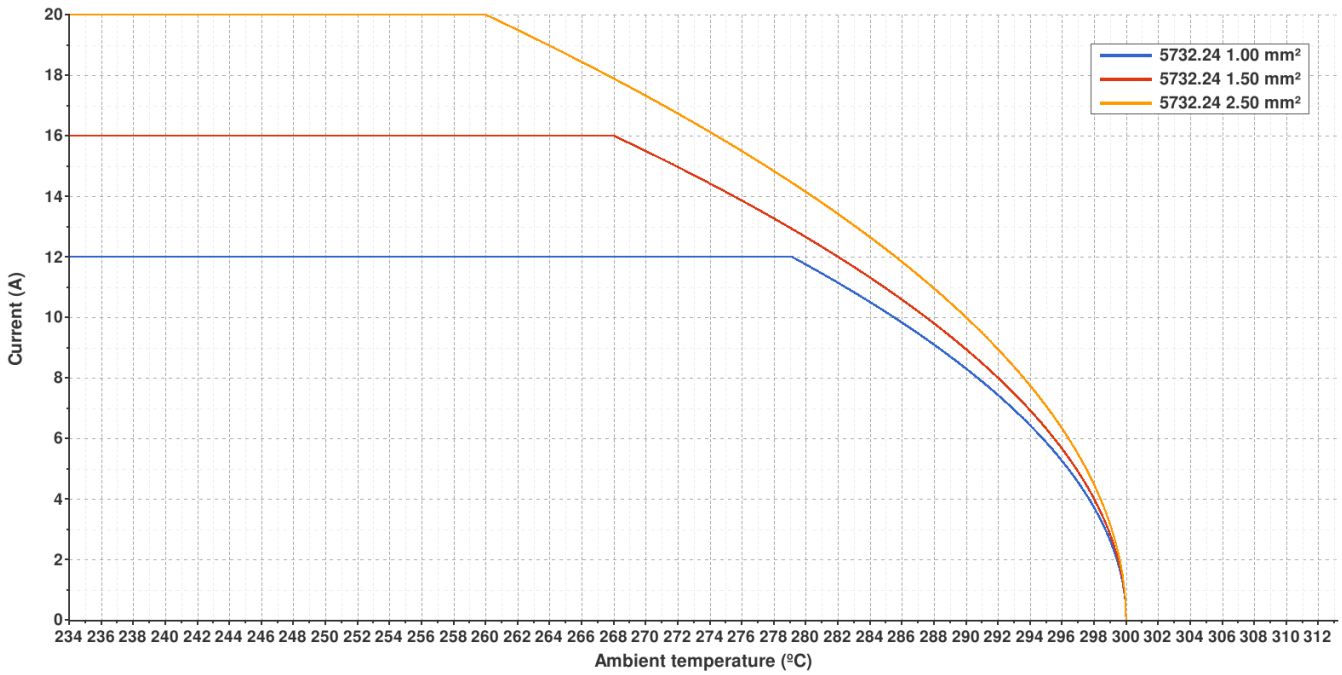
Valid for Natural Brass Tab

**5732.24 NICKEL-PLATED STEEL**

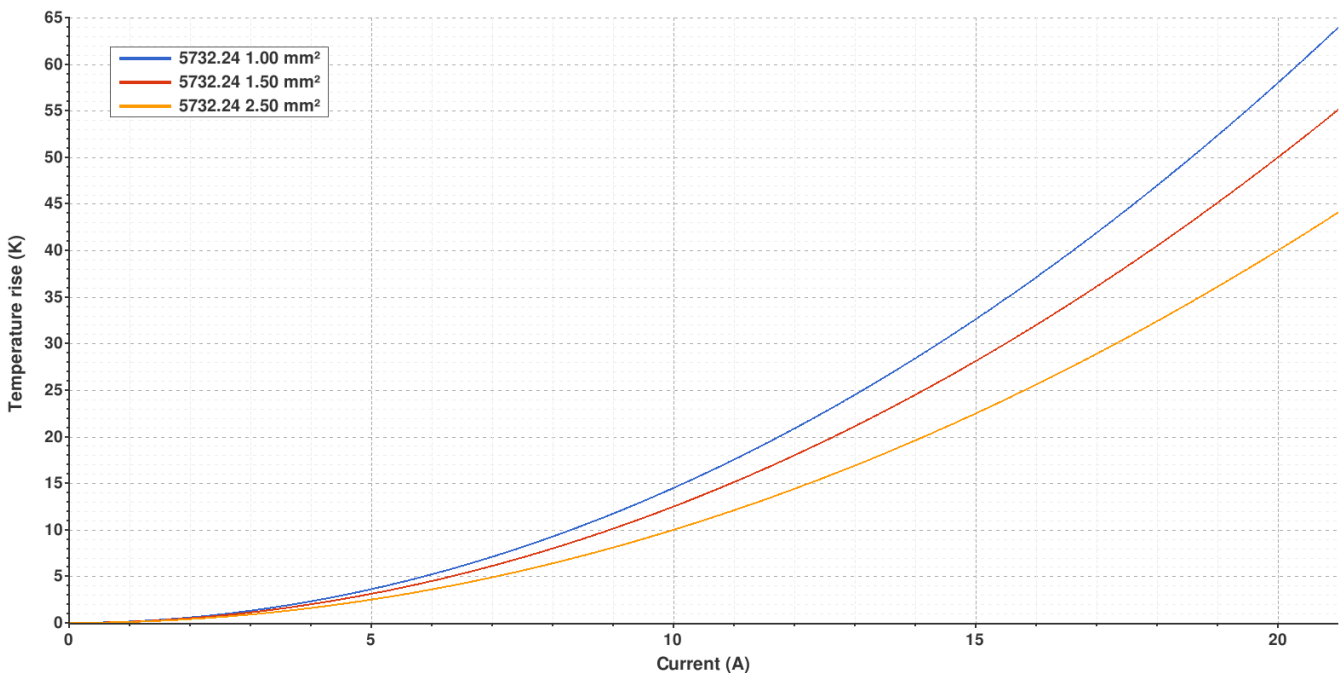


**6.3 (.250) TYPE SERIES · FLAGS**  
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

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



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



Valid for Natural Brass Tab

**5732.51 PRE-TIN-PLATED CU. ALLOY**

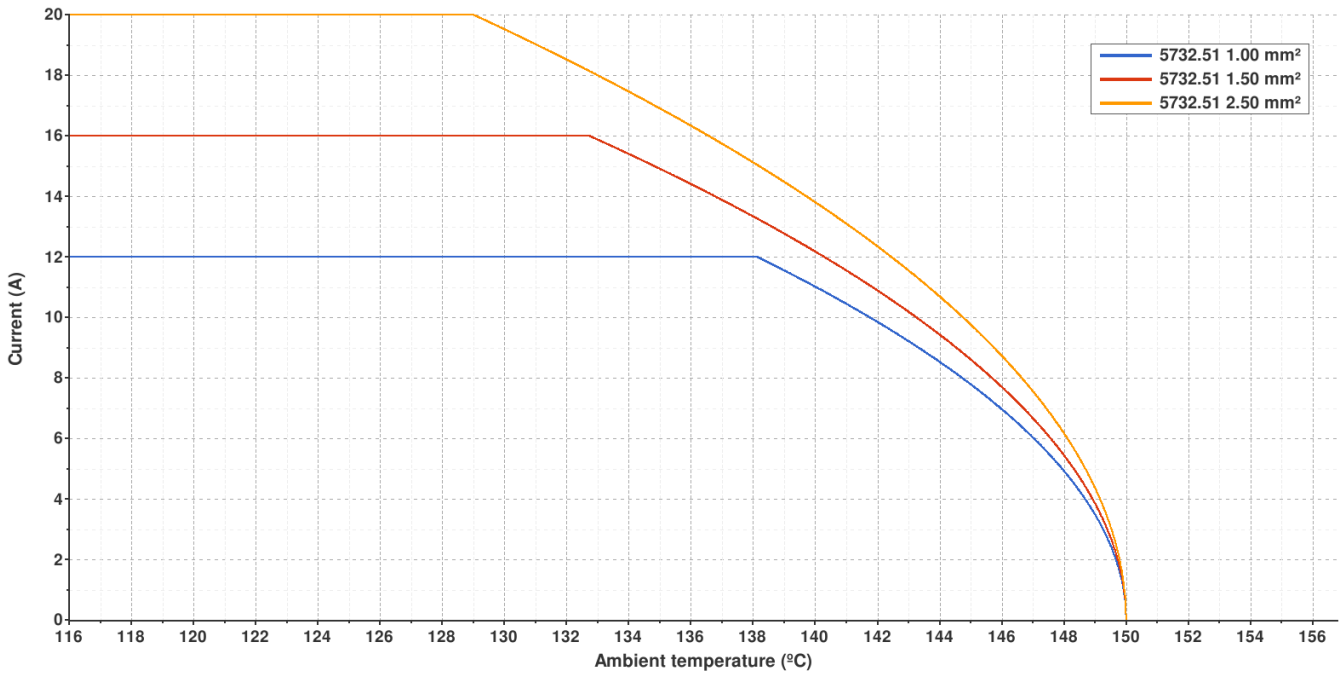


**6.3 (.250) TYPE SERIES · FLAGS**

**SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.**

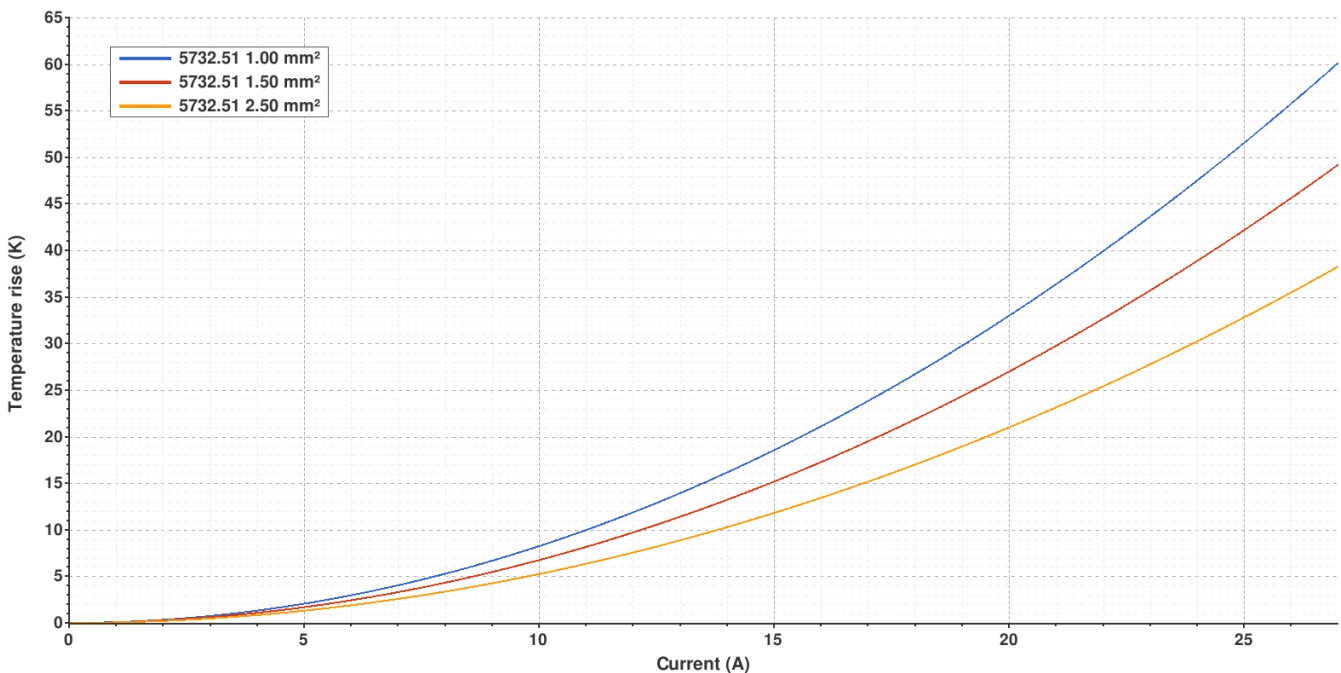
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



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**5732.\*\*****6.3 (.250) TYPE SERIES · FLAGS****SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.****Disclaimer**

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A2	Update de-rating curves	2018-11-27	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-09-19	Laboratory Dept.	E. Roura