



**5734.\*\***

**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)** 2,5-4 (14-12)

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5734.00	Brass	Natural	110	1.50
5734.01	Brass	Pre-tin-plated	120	0.75
5734.24	Steel	Nickel-plated	300	2.50
5734.51	Cu. Alloy	Pre-tin-plated	150	0.50

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

**Max. rated current**

Wire section	5734.00 / 01 / 24 / 51
1.00 + 2.50 mm <sup>2</sup>	12
1.50 + 1.50 mm <sup>2</sup>	16
1.50 + 2.50 mm <sup>2</sup>	16
2.50 mm <sup>2</sup>	20

**Insertion / Withdrawal forces**

	5734.00 / 01 / 51	5734.24
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**

MN5734

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 + 2.50 mm <sup>2</sup>	2.15 (±0.05)	3.53 (±0.05)	4.82 (±0.10)	(108N @ 60s) + (230N @ 60s)
1.50 + 1.50 mm <sup>2</sup>	2.00 (±0.05)	3.48 (±0.05)	4.75 (±0.10)	(150N @ 60s) + (150N @ 60s)
1.50 + 2.50 mm <sup>2</sup>	2.25 (±0.05)	3.55 (±0.05)	4.85 (±0.10)	(150N @ 60s) + (150N @ 60s)
2.50 mm <sup>2</sup>	1.95 (±0.05)	3.46 (±0.05)	4.65 (±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**

2700

**Compatible connectors**

26433\*\*

**Approved regulations**

Part nr.	Approval	Standard	File	Certified framework
5734.00	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN5734
5734.01	UL	UL 310	E211727	AWG 14-14+16 (41-41+26 Stranded Cu) / MN5734



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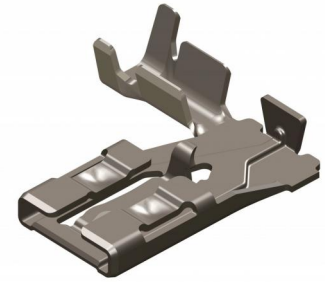
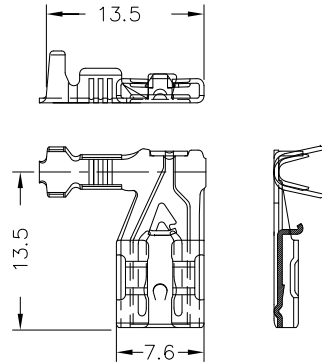
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



Approvals



Drawing





**5734.00 NATURAL BRASS**

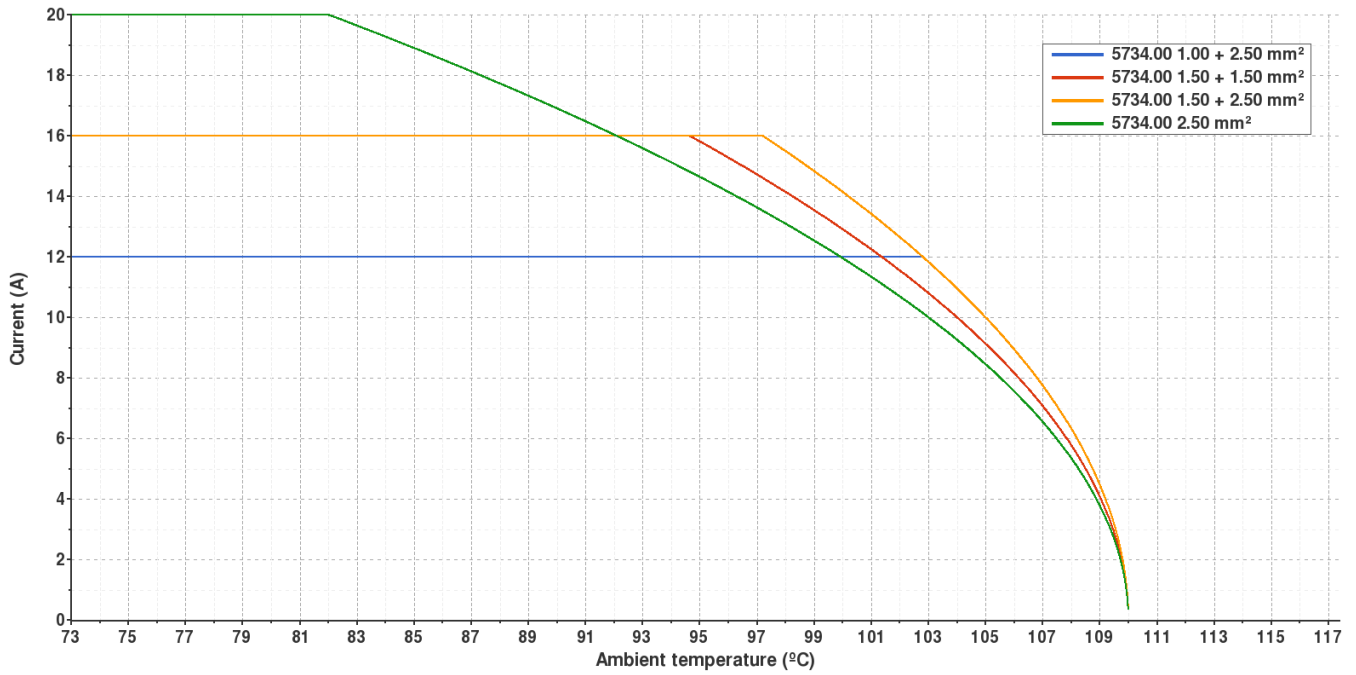
**6.3 (.250) TYPE SERIES · FLAGS**

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



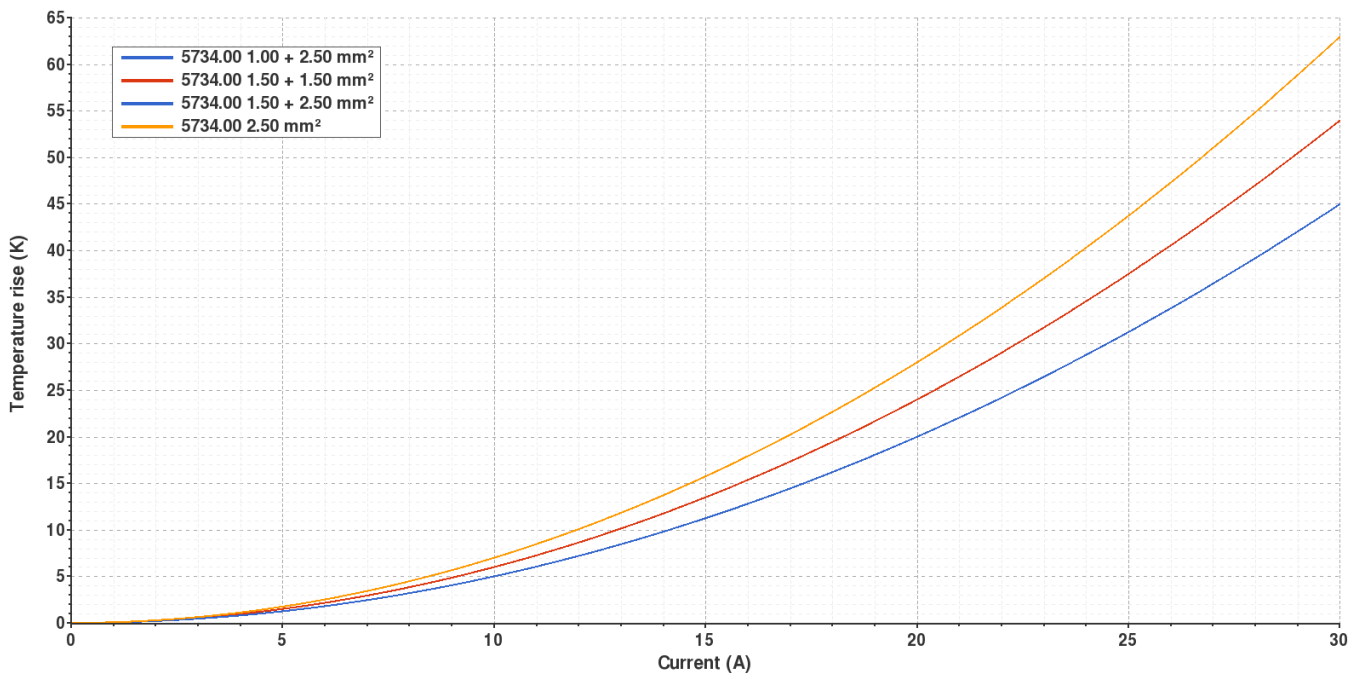
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



**5734.01 PRE-TIN-PLATED BRASS**

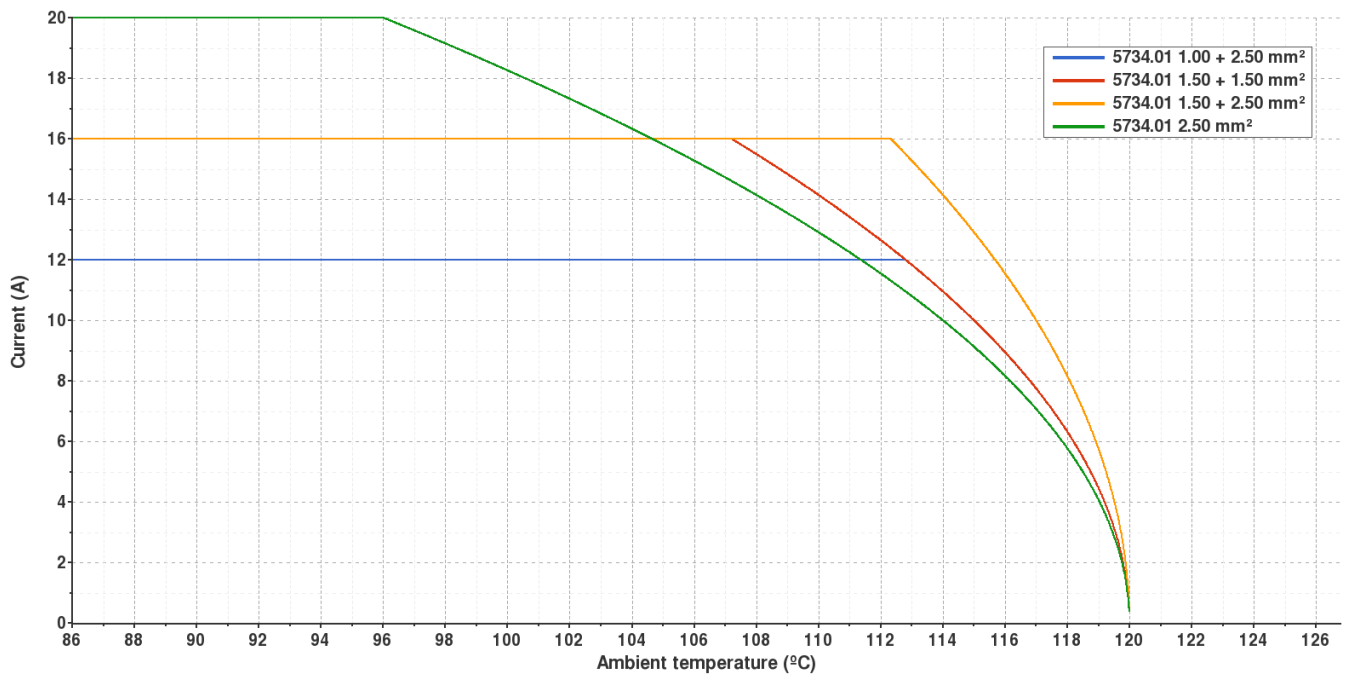
**6.3 (.250) TYPE SERIES · FLAGS**

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



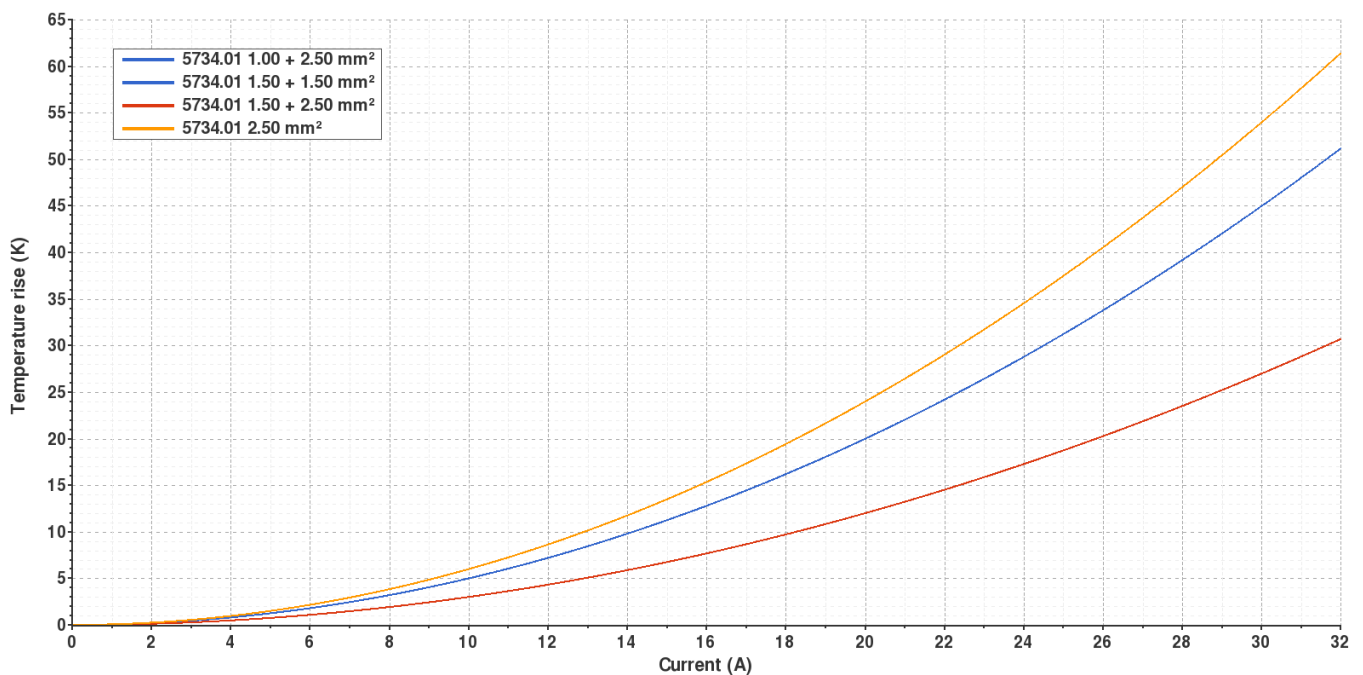
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



**5734.24 NICKEL-PLATED STEEL**

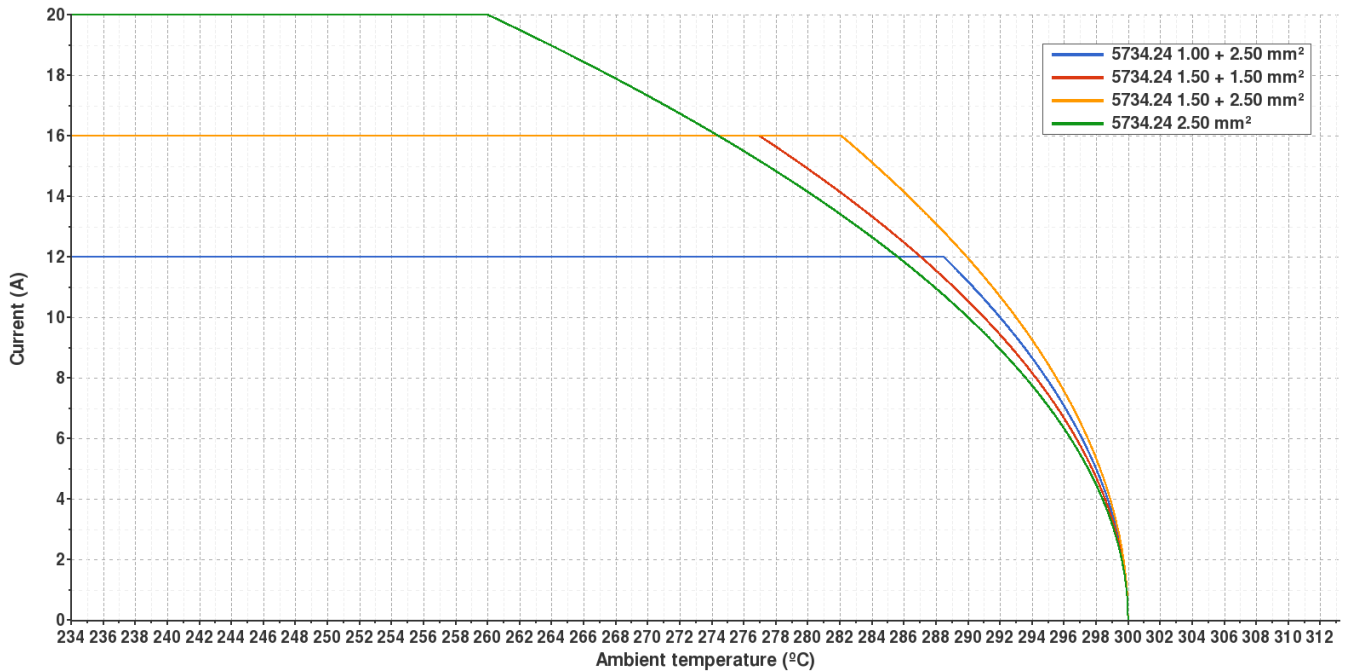
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**SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.**



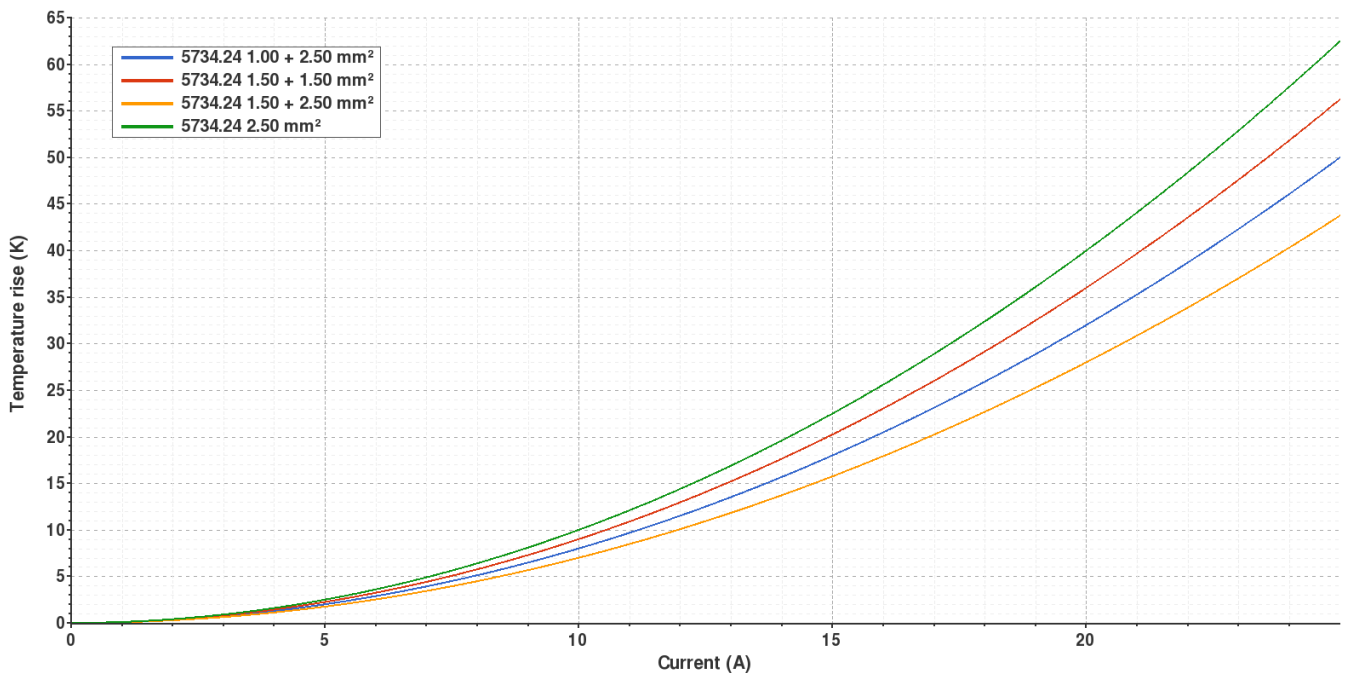
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



**5734.51 PRE-TIN-PLATED CU. ALLOY**

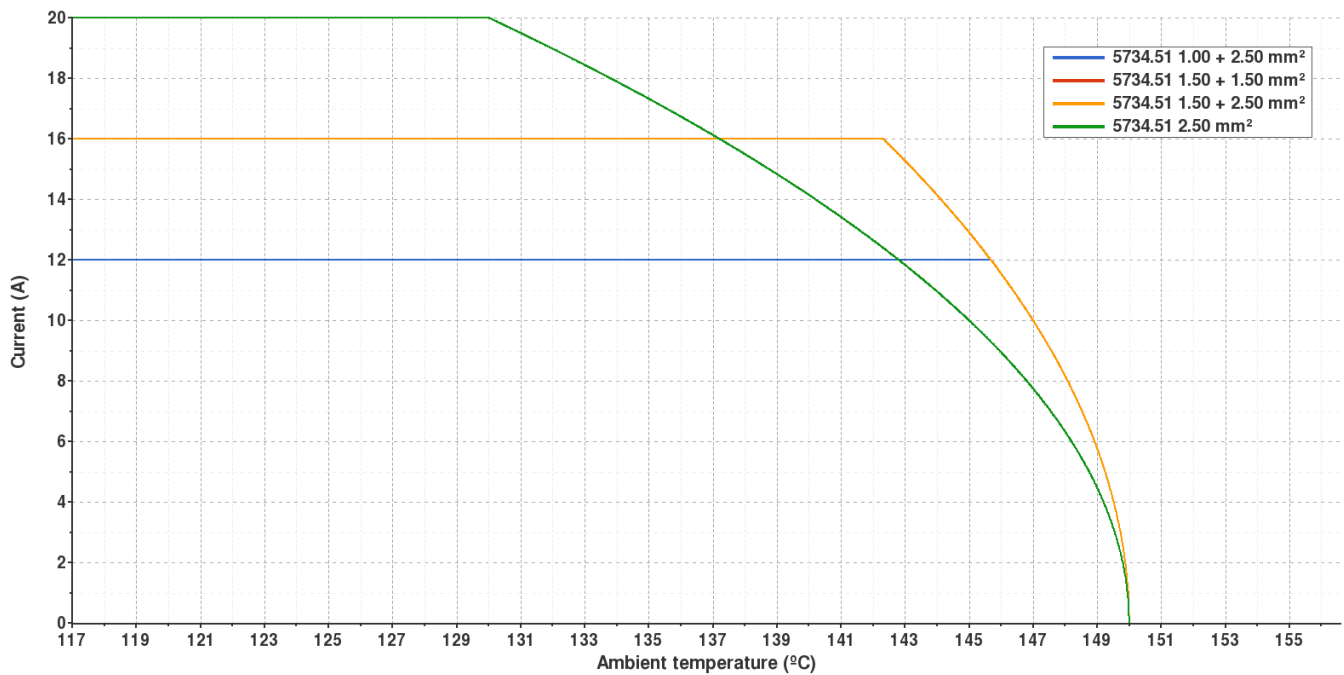


**6.3 (.250) TYPE SERIES · FLAGS**

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

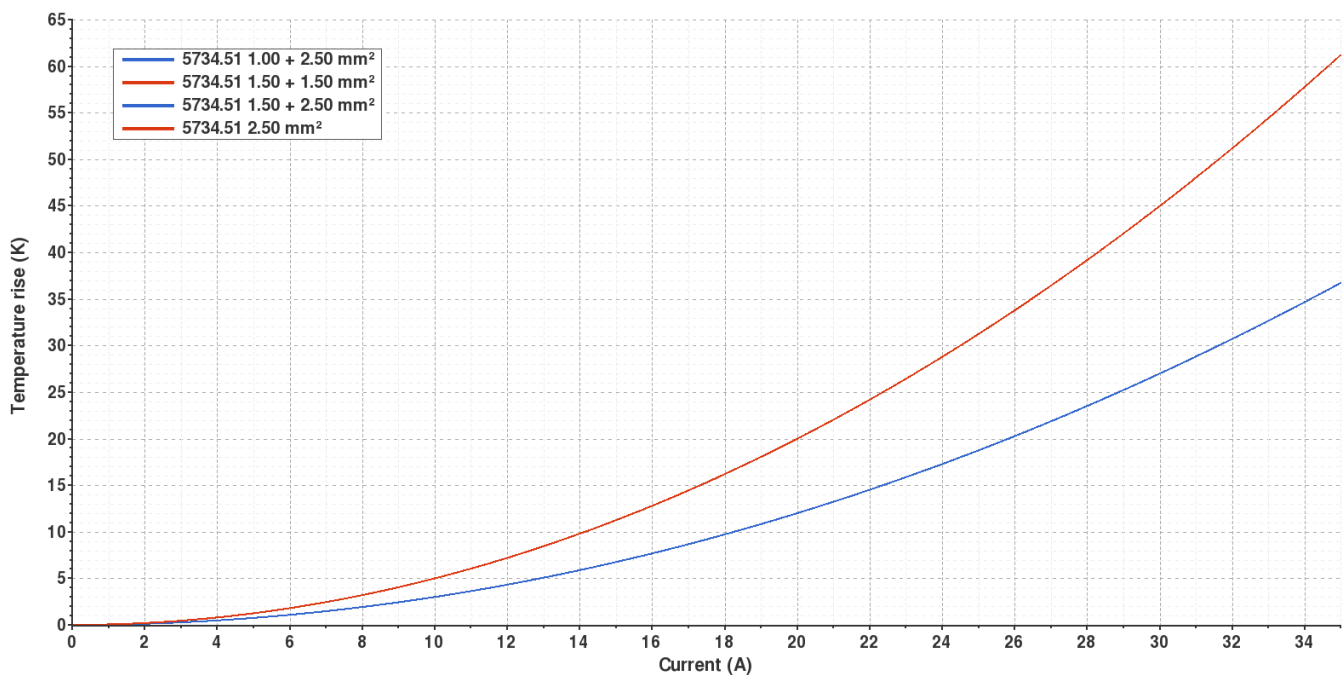
**Derating curve**

Current carrying capacity vs. Ambient temperature



**Temperature rise curve**

Terminal temperature rise due to the current carried



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**Disclaimer**

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A1	Datasheet generated automatically [A1]	2018-09-19	Laboratory Dept.	E. Roura