



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 mm² (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 ²	12A
1.50 mm ²	16A
2.00 mm ²	16A
2.50 mm ²	20A

Insertion / Withdrawal forces

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

¹ 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 ²	1.55 (±0.05)	3.04 (±0.05)	4.39 (±0.10)	108N @ 60s
1.50 mm ²	1.70 (±0.05)	3.04 (±0.05)	4.41 (±0.10)	150N @ 60s
2.00 mm ²	1.80 (±0.05)	3.04 (±0.05)	4.46 (±0.10)	150N @ 60s
2.50 mm ²	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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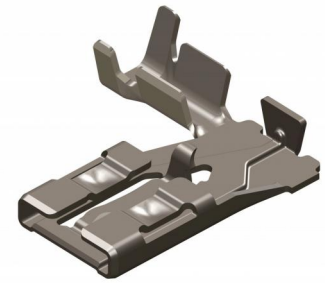
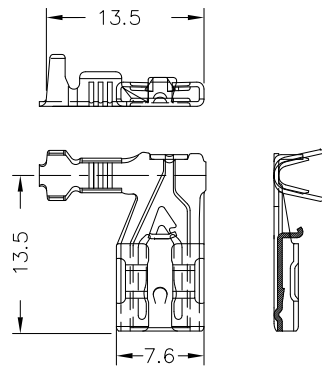
Approved regulations

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

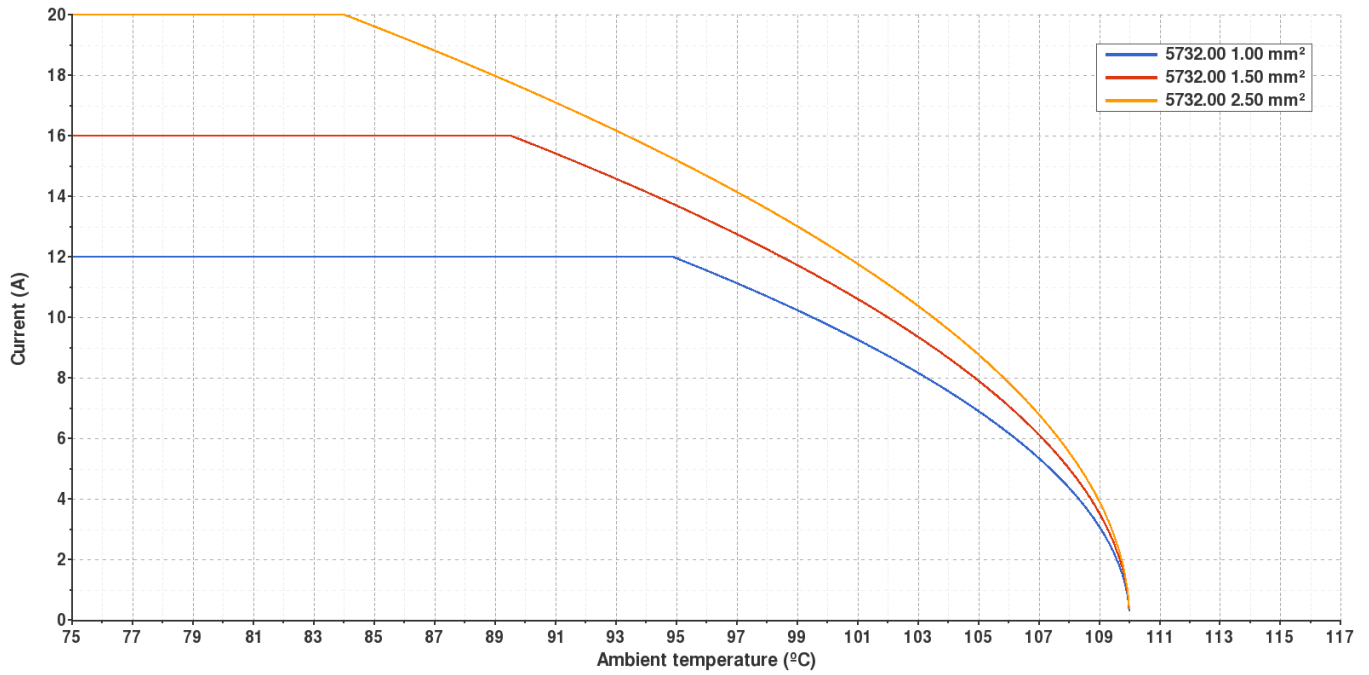
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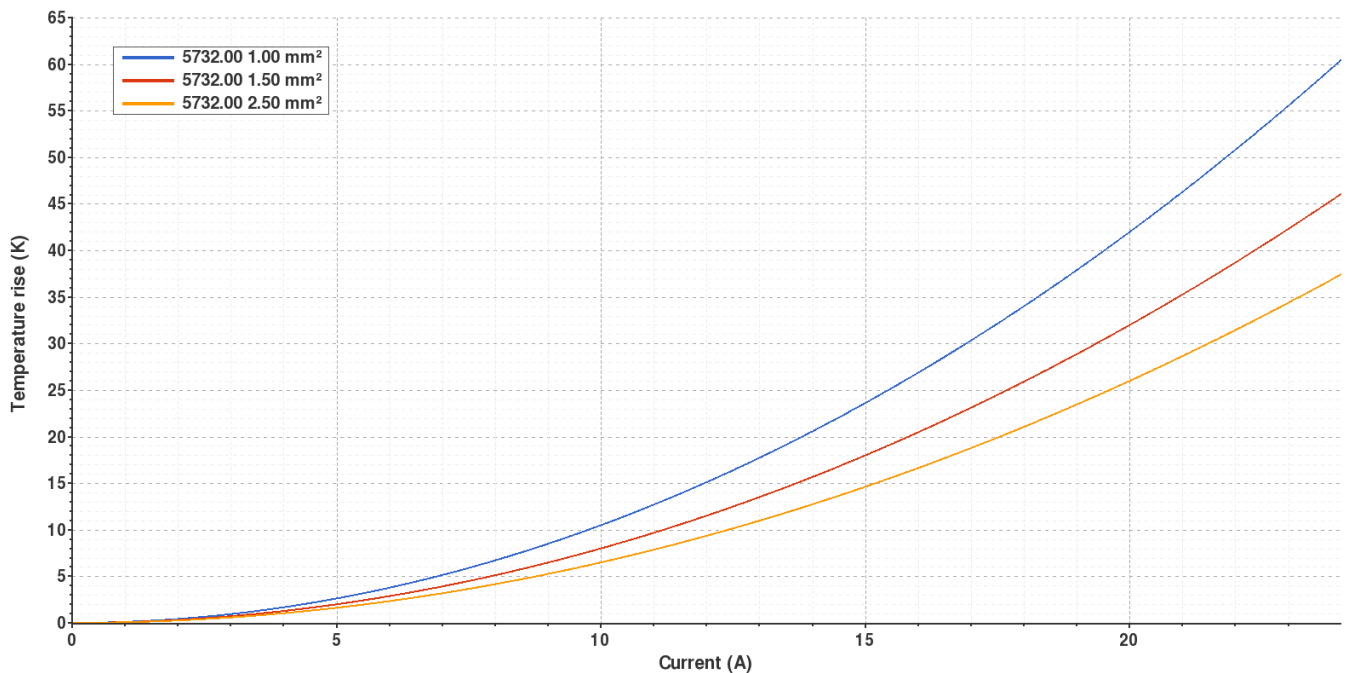
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



5732.01 PRE-TIN-PLATED BRASS

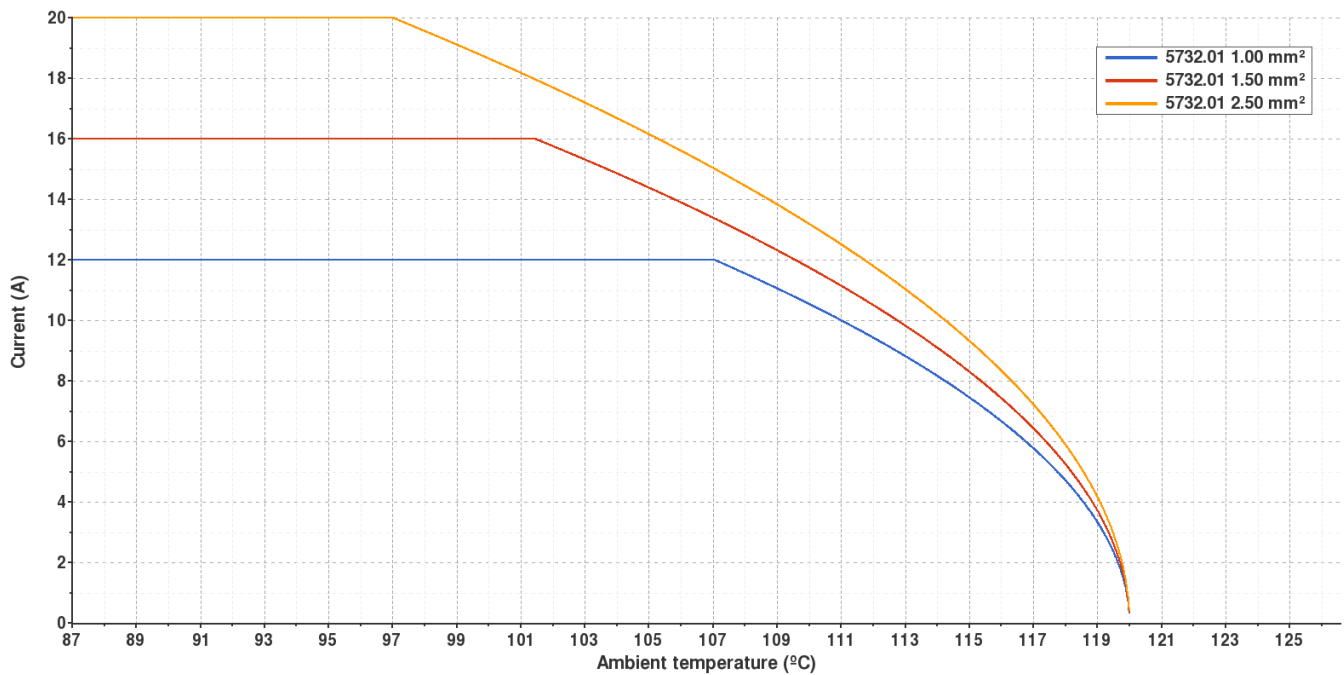
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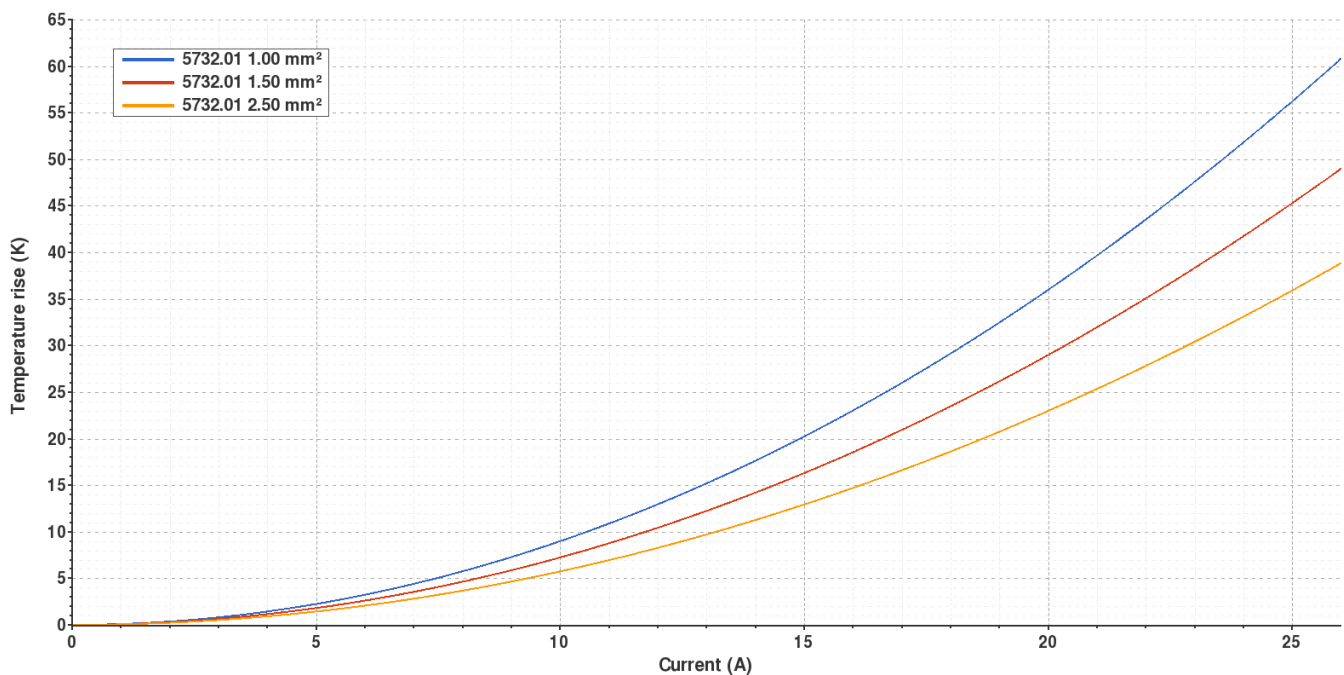
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



5732.24 NICKEL-PLATED STEEL

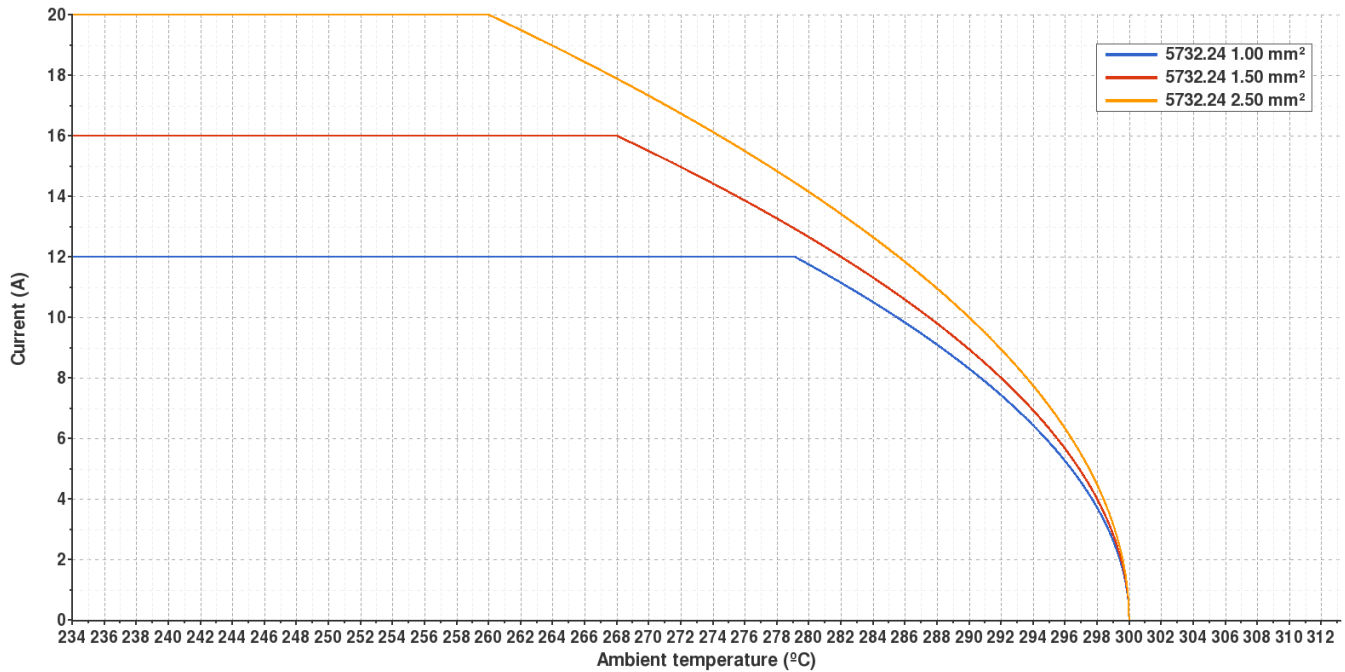
6.3 (.250) TYPE SERIES · FLAGS

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



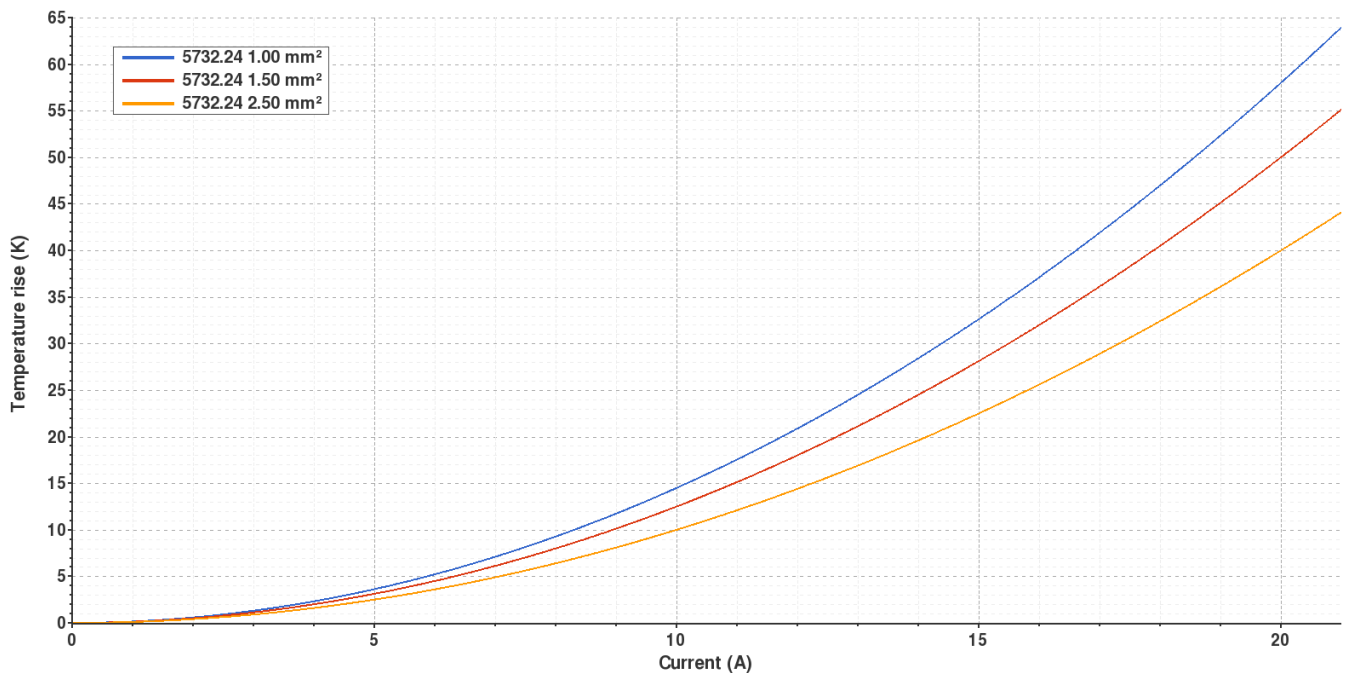
Derating curve

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

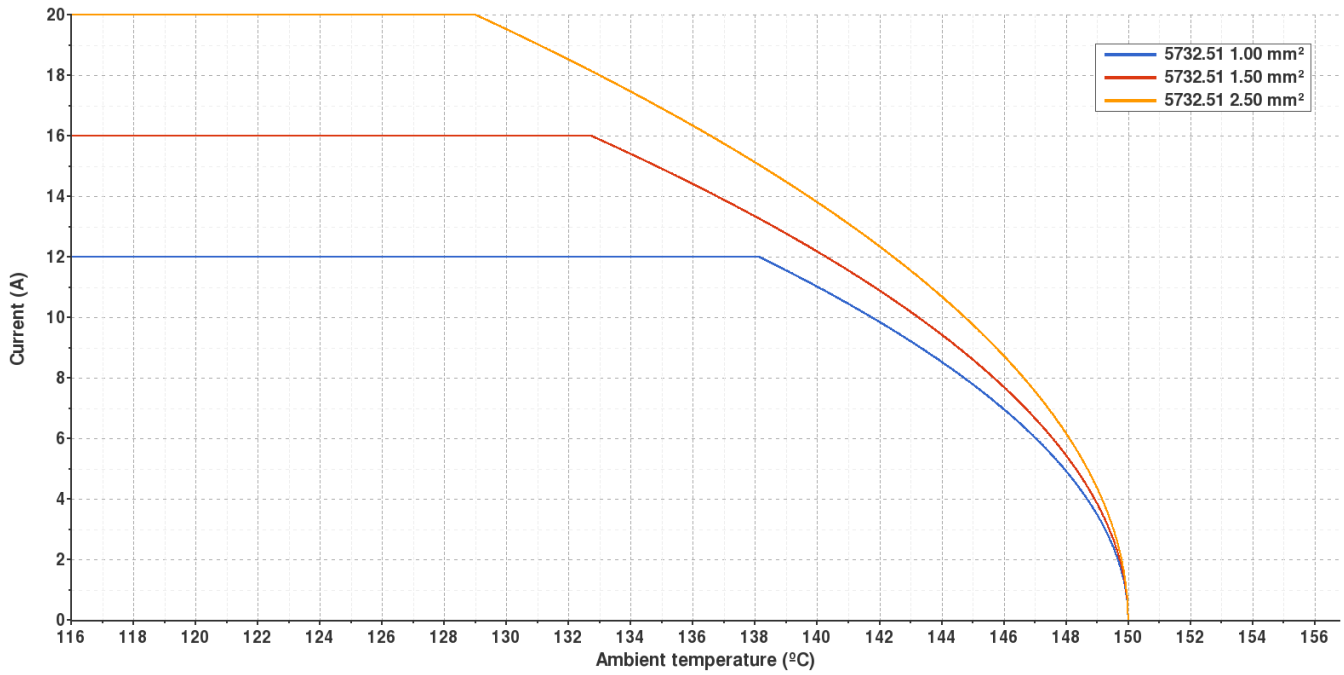


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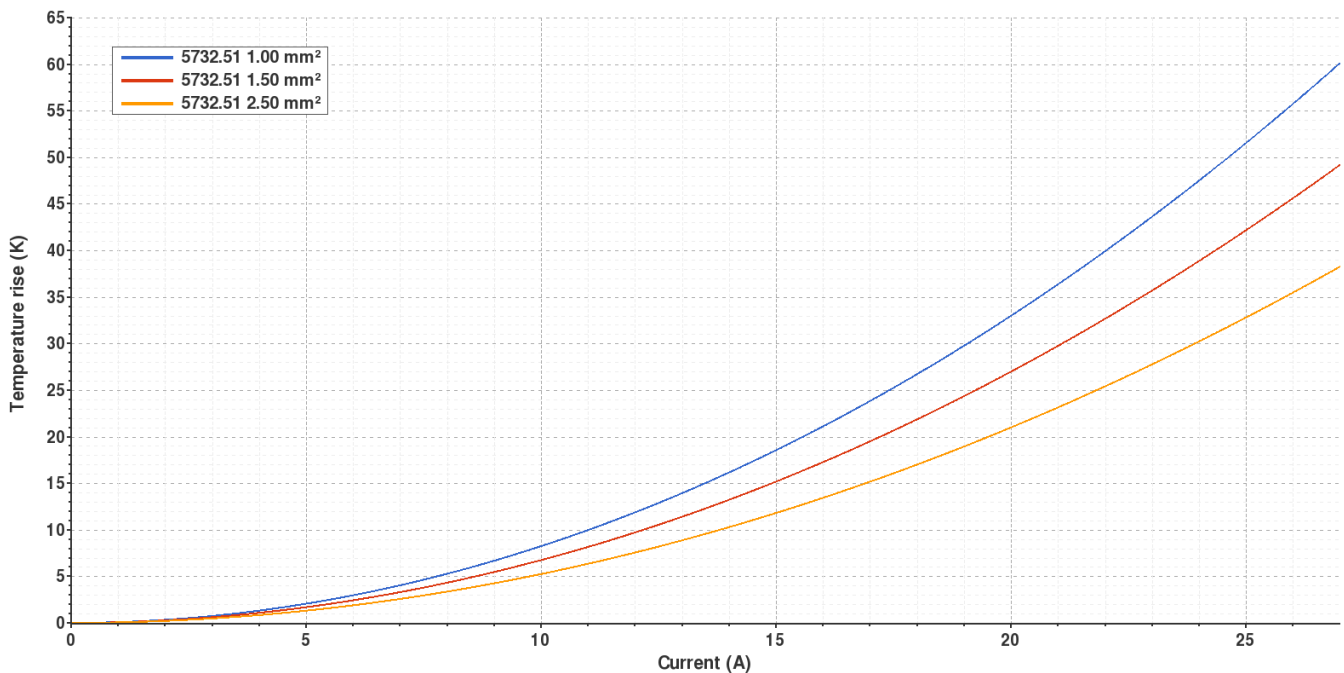
Derating curve

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
A2	Update de-rating curves	2018-11-27	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-09-19	Laboratory Dept.	E. Roura