

5725.**

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) 0,5-1,5 (20-16)

Ø Insulation (mm) 1,9-3,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5725.00	Brass	Natural	110	(T.B.D.)
5725.01	Brass	Pre-tin-plated	120	0.55
5725.30	Bronze	Natural	120	(T.B.D.)
5725.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5725.51	Cu. Alloy	Pre-tin-plated	150	0.50
5725.70	German Silver	Natural	210	(T.B.D.)
5725.80	Cu. Alloy	Natural	(T.B.D.)	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	5725.00 / 01 / 30 / 31 / 51 / 70 / 80
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A
1.50 mm ²	16A

Insertion / Withdrawal forces

	5725.00 / 01 / 30 / 31 / 51 / 70 / 80
1st Insertion (max)	25N ¹
1st Withdrawal (min, locking enabled)	50N ¹

¹ Valid for Natural Brass Tab

Security function

The self-locking function prevents disconnection by pulling the cable. Disconnection is possible by disabling the locking function, moving the lever up manually or by sliding the connector (see extraction forces). It allows several connections-disconnections while maintaining the functional characteristics.



Application tool

MN5725

Wire strip length

4.0 (±0.3) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm ²	1.35 (±0.03)	2.68 (±0.03)	4.00 (±0.010)	56N @ 60s
0.75 mm ²	1.45 (±0.05)	2.74 (±0.05)	4.00 (±0.010)	84N @ 60s
1.00 mm ²	1.50 (±0.05)	2.73 (±0.05)	4.00 (±0.010)	108N @ 60s
1.50 mm ²	1.60 (±0.05)	2.77 (±0.05)	4.00 (±0.010)	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

3500

Compatible connectors

26335**, 26338**, 26339**

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Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5725.00	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5725
5725.01	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5725

Approvals



Drawing



5725.01 PRE-TIN-PLATED BRASS

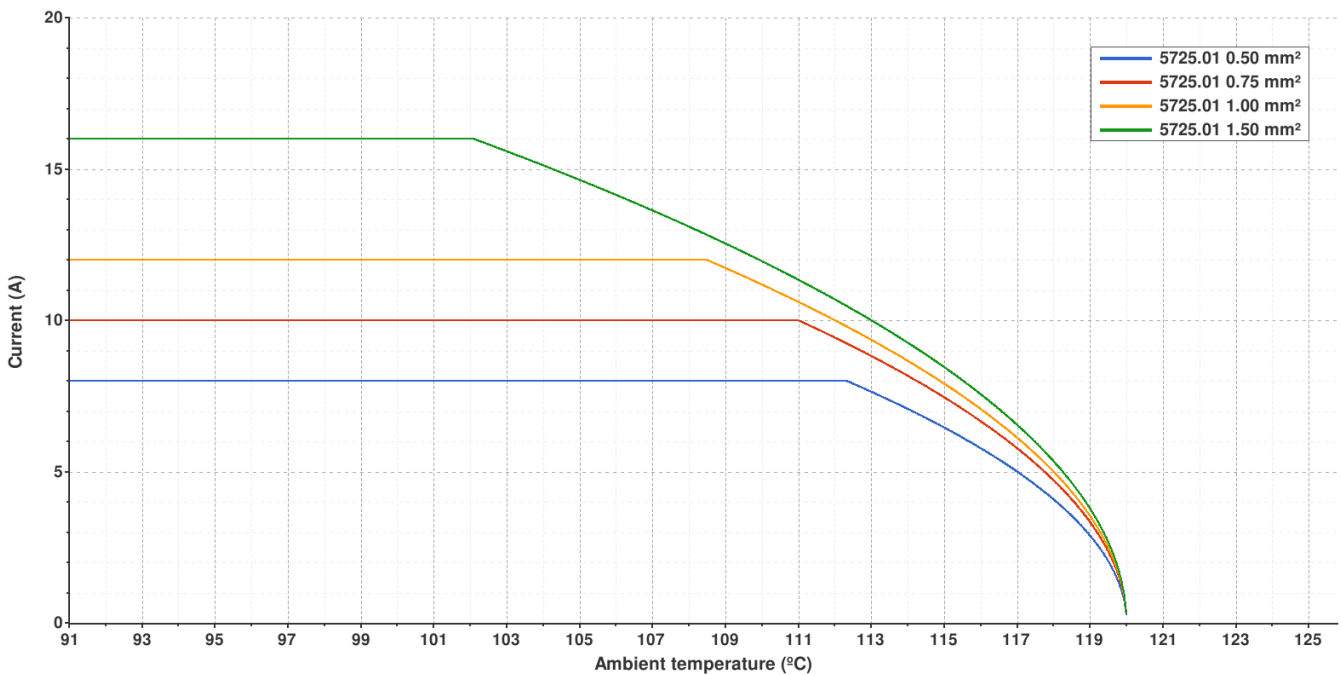


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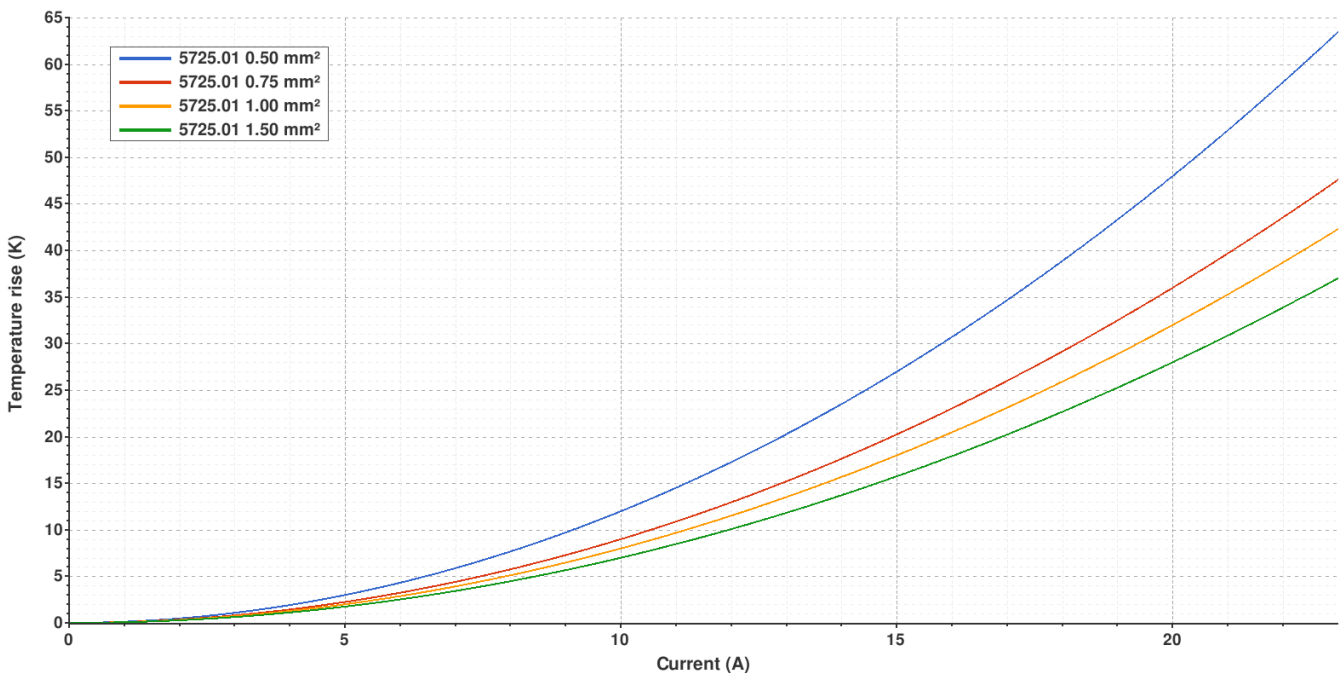
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



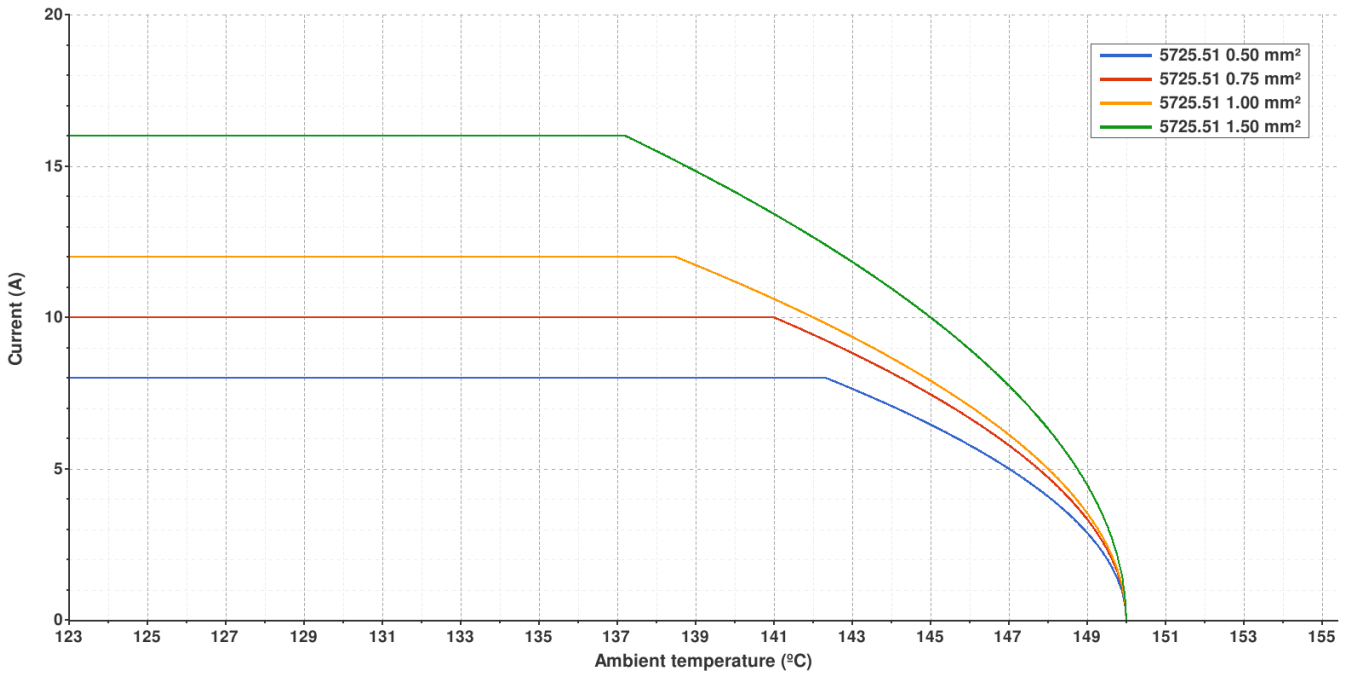
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5725.51 PRE-TIN-PLATED CU. ALLOY

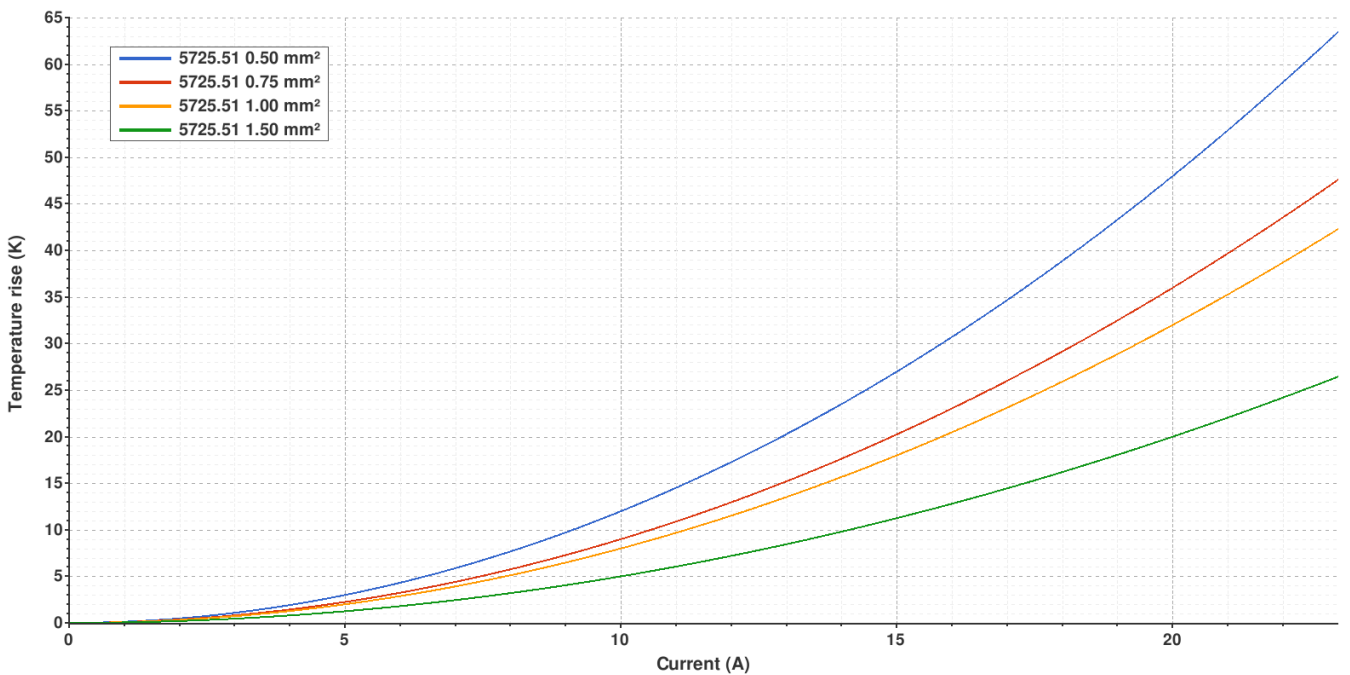


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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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(T.B.D.): To be determined

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Change company name and logo	2021-10-21	E.Roura (Laboratory dept.)	M.Codina
A2	Updated datasheet - wire strip length and electric curves.	2020-03-03	E.Roura (Laboratory dept.)	M.Codina
A1	Datasheet generated automatically [A1]	2018-11-27	Laboratory Dept.	E. Roura