



5725.**

6.3 (.250) TYPE SERIES · FLAGS



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

Application tool MN5725

Wire strip length 4.7 (±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 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**

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



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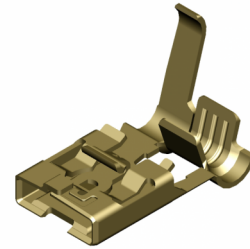
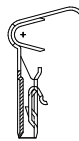
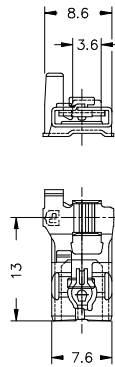
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Approvals



Drawing

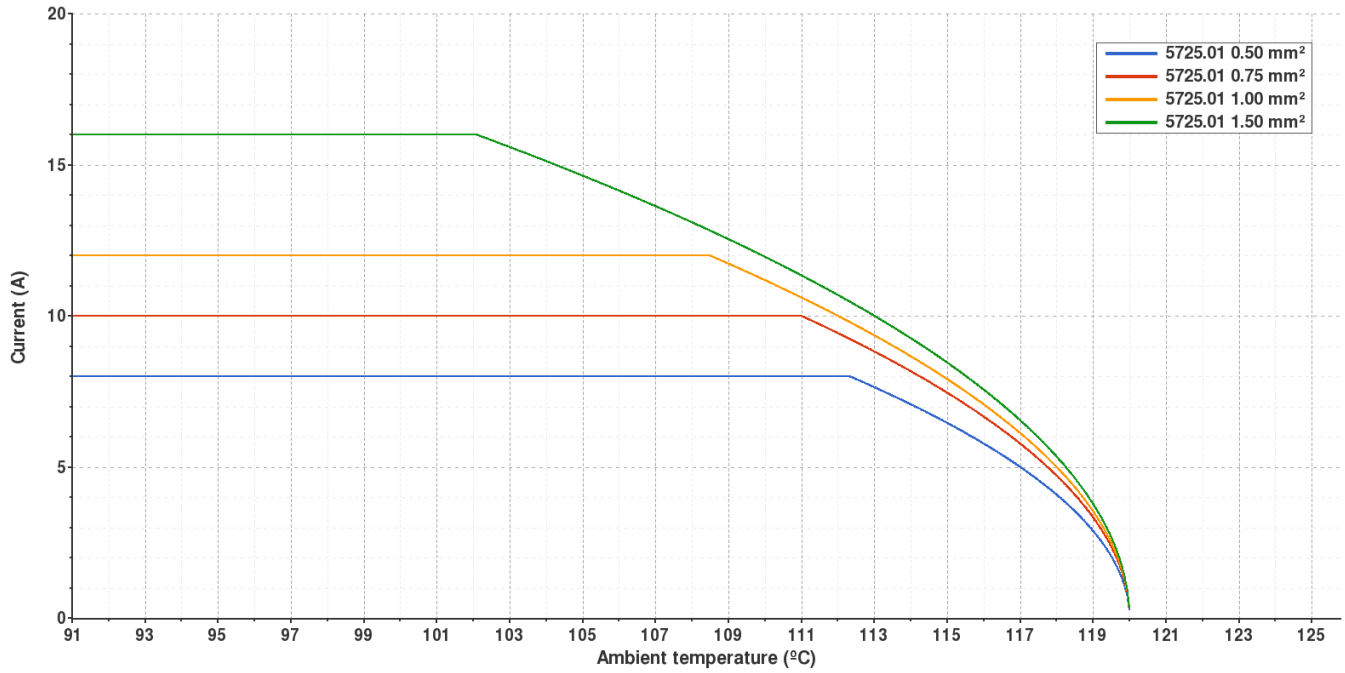




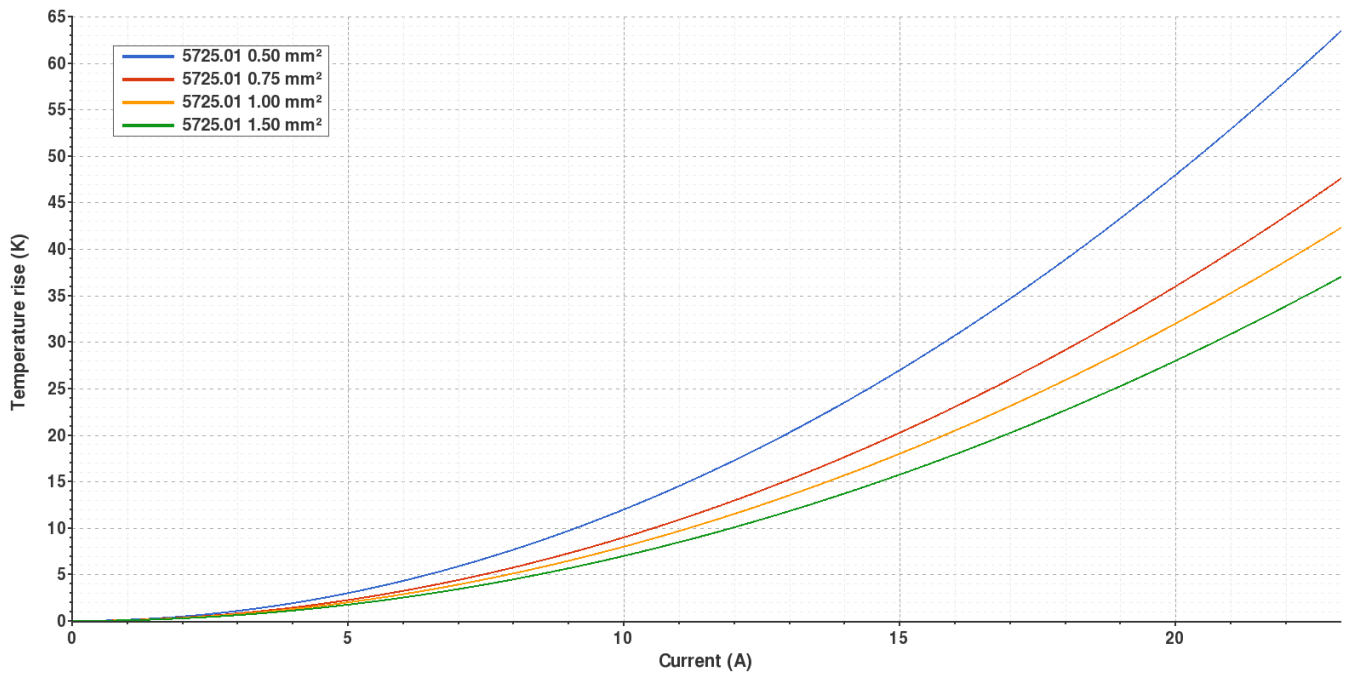
5725.01 PRE-TIN-PLATED BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

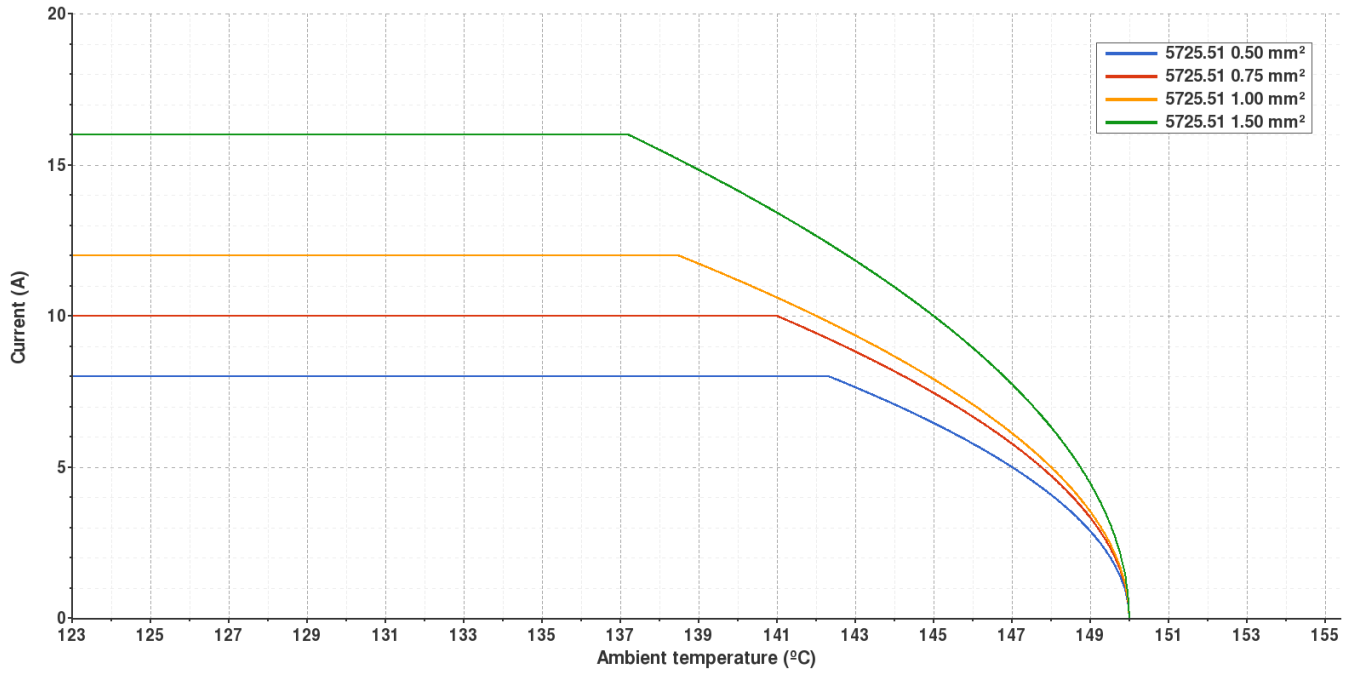


5725.51 PRE-TIN-PLATED CU. ALLOY
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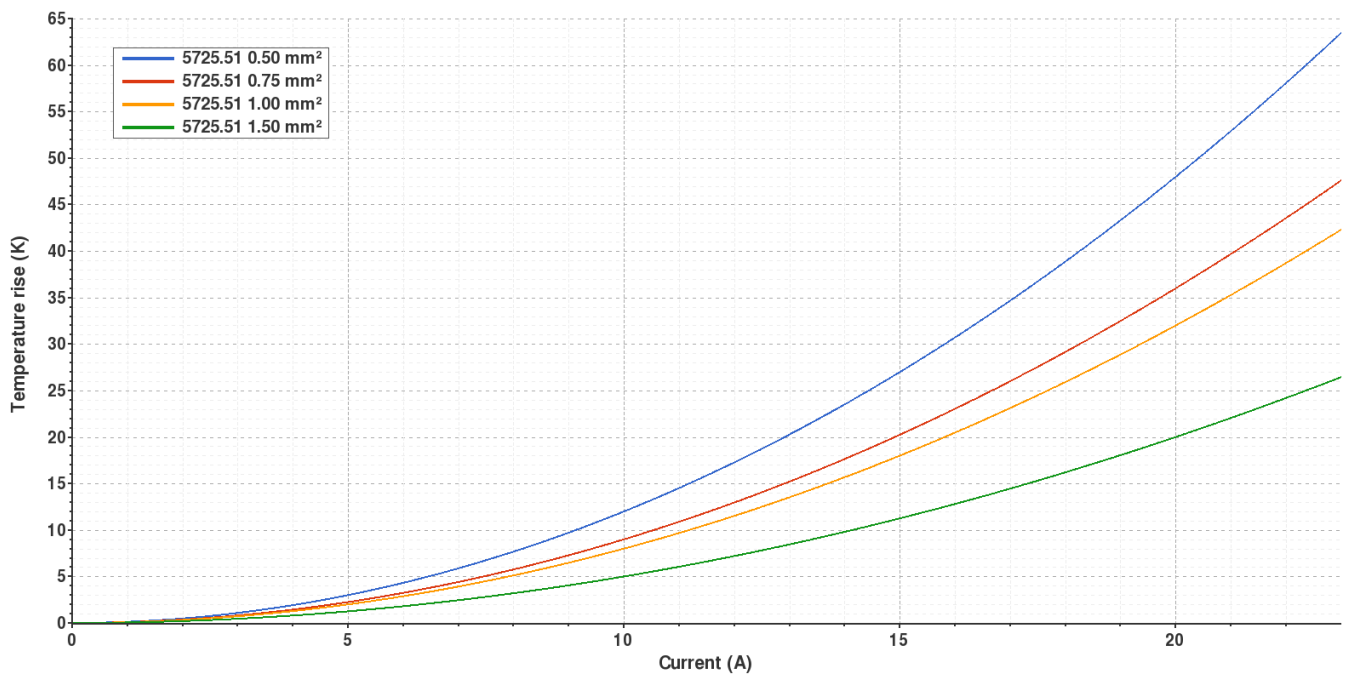
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



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

Disclaimer

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A1	Datasheet generated automatically [A1]	2018-11-27	Laboratory Dept.	E. Roura