

5820F** 6.3 (.250) TYPE SERIES · FLAGS



Specification	Low insertion
For male (mm)	6,3x0,8
Wire size mm² (AWG)	0,2-0,6 (24-20)
Ø Insulation (mm)	2,1 Max

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
5820F00	Brass	Natural	110
5820F01	Brass	Pre-tin-plated	120
5820F24	Steel	Nickel-plated	300
5820F30	Bronze	Natural	120
5820F31	Bronze	Pre-tin-plated	130
5820F70	German Silver	Natural	210

Material thickness (mm) 0,4

Max. rated current

Wire section	5820F00 / 01 / 24 / 30 / 31 / 70
0.25 mm ²	(T.B.D.)
0.35 mm ²	(T.B.D.)
0.50 mm ²	8A
0.60 mm ²	8A

Insertion / Withdrawal forces



	5820F00 / 30 / 70	5820F01 / 24 / 31
1st Insertion (max)	35N ¹	35N ¹
1st Withdrawal (max)	60N ¹	60N ¹
1st Withdrawal (min)	27N ¹	22N ¹
6th Withdrawal (min)	22N ¹	18N ¹

¹ Valid for Natural Brass Tab

Application tool

MN5820F

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.20 mm ²	1.10 (±0.03)	1.95 (±0.03)	3.15 (±0.10)	28N @ 60s
0.35 mm ²	1.15 (±0.03)	1.97 (±0.03)	3.15 (±0.10)	40N @ 60s
0.50 mm ²	1.25 (±0.03)	1.97 (±0.03)	3.15 (±0.10)	56N @ 60s
0.60 mm ²	1.30 (±0.05)	1.98 (±0.05)	3.15 (±0.10)	56N @ 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 4000

Compatible connectors 26333**, 26336**

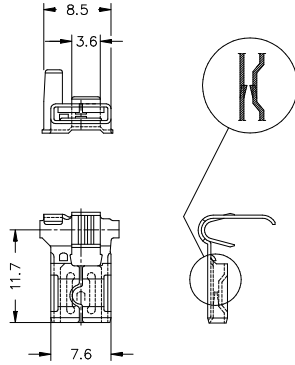
Approvals



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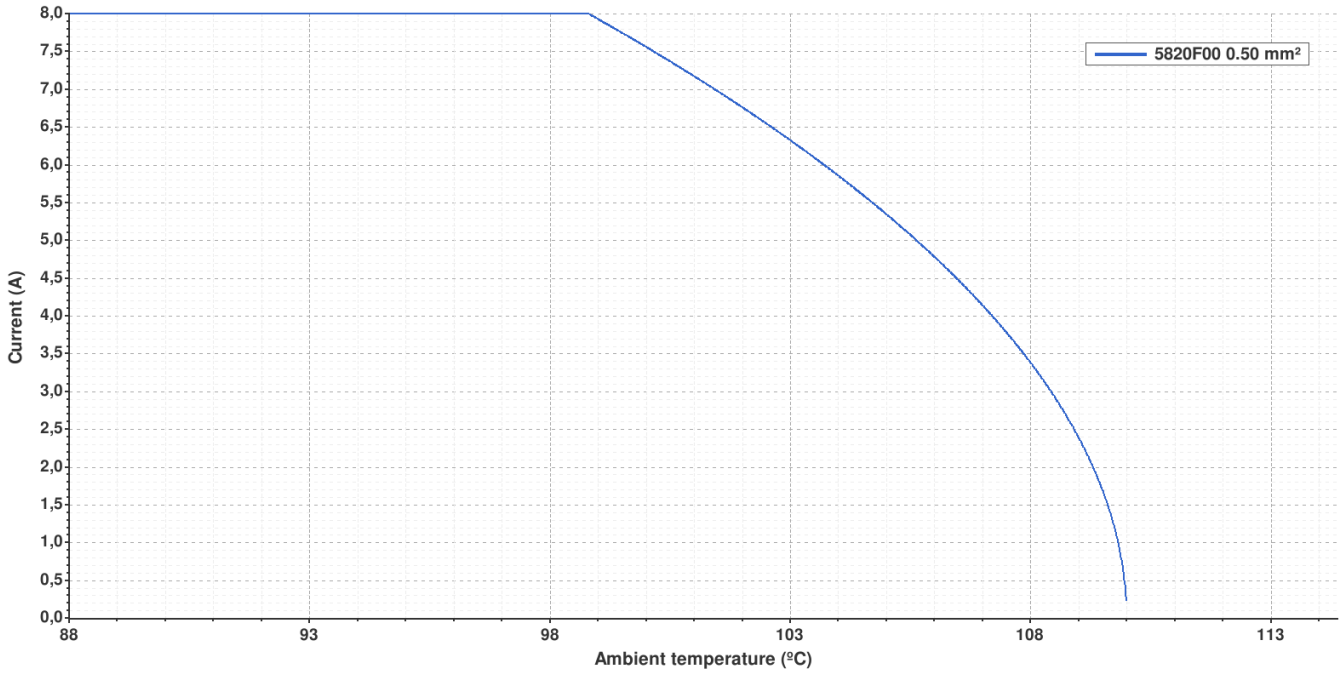
Drawing



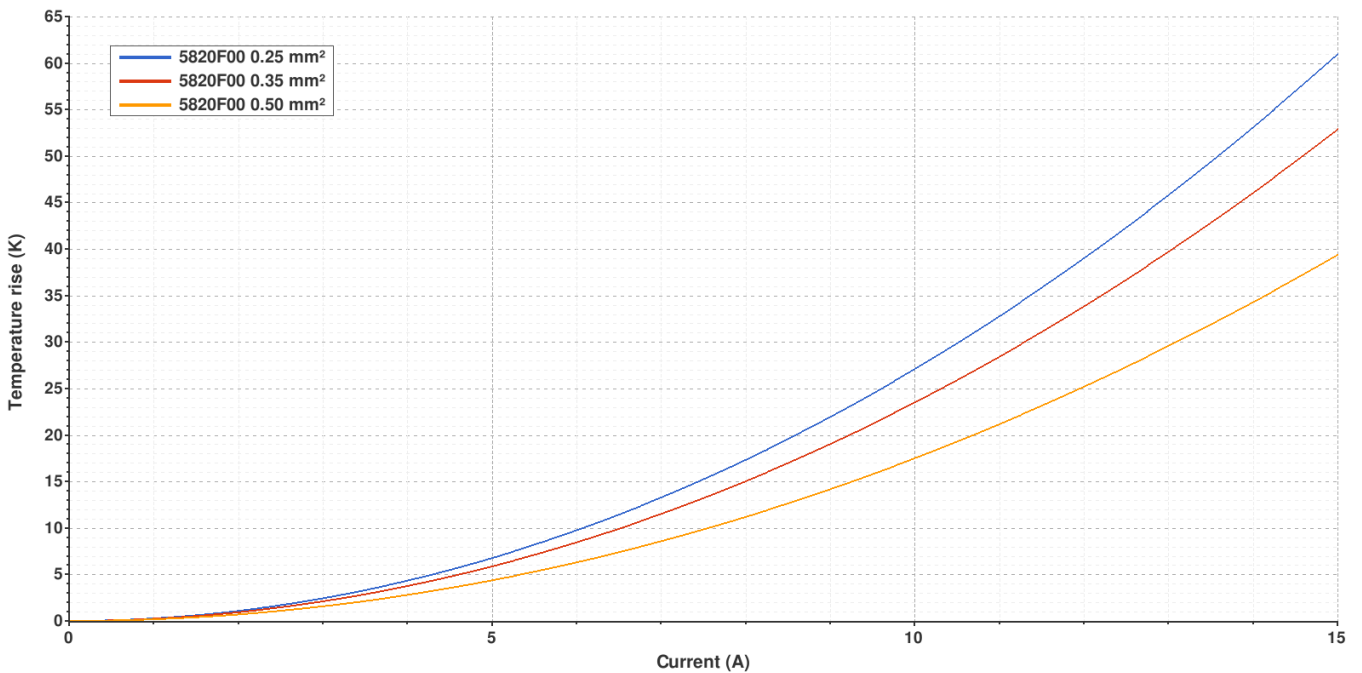
5820F00 NATURAL BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



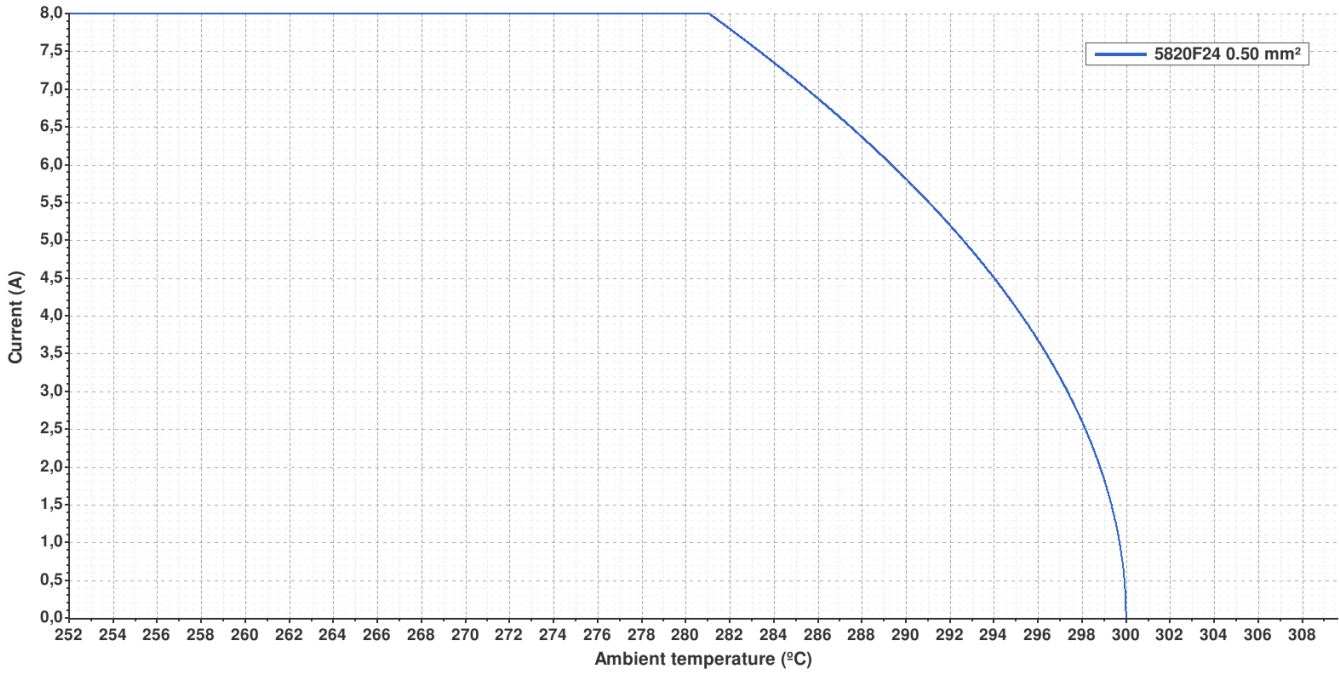
Valid for Natural Brass Tab

5820F24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · FLAGS



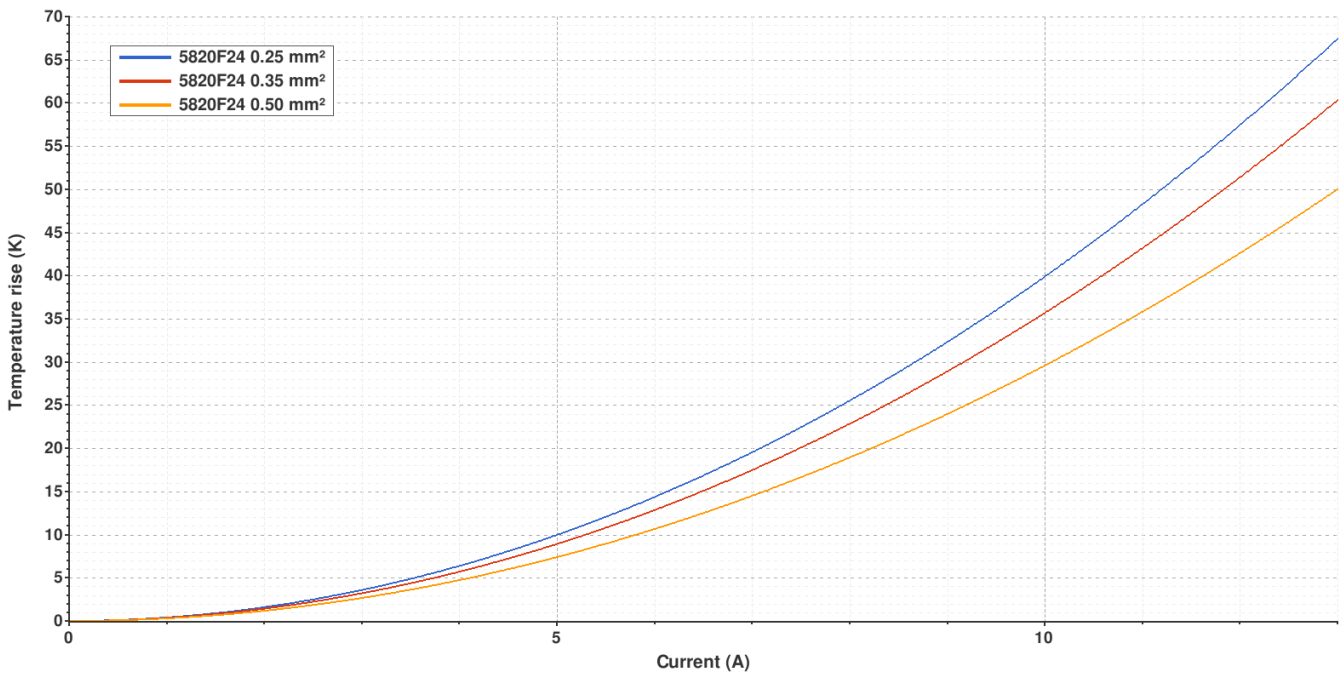
Derating curve

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

Data obtained from Escubedo Laboratory essays, using own methodology, cabling, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publicised only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us

Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update insertion and withdrawal forces	2021-11-12	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)
A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A1	Datasheet created automatically [A1]	2021-09-16	Laboratory Dept.	E. Roura

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