

8445F**

6.3 (.250) TYPE SERIES · RECEPTACLES FOR CONNECTOR



Specification 6.3 mm Timer terminals

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 3-4,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
8445F00	Brass	Natural	110
8445F01	Brass	Pre-tin-plated	120
8445F30	Bronze	Natural	120
8445F31	Bronze	Pre-tin-plated	130
8445F51	Cu. Alloy	Pre-tin-plated	150

Material thickness (mm) 0,4

Max. rated current

Wire section	8445F01 / 00 / 30 / 31 / 51
1.00 mm²	10A
1.50 mm²	12A
2.50 mm²	16A

Application tool MN8445F

Wire strip length 3.8 (±0.3) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm²	1.60 (±0.05)	2.84 (±0.05)	4.02 (±0.10)	108N @ 60s
1.50 mm²	1.70 (±0.05)	2.84 (±0.05)	4.05 (±0.10)	150N @ 60s
2.00 mm²	1.80 (±0.05)	2.88 (±0.05)	4.06 (±0.10)	150N @ 60s
2.50 mm²	1.95 (±0.05)	2.89 (±0.05)	4.09 (±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

Approvals

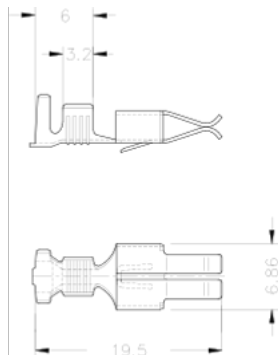


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Drawing



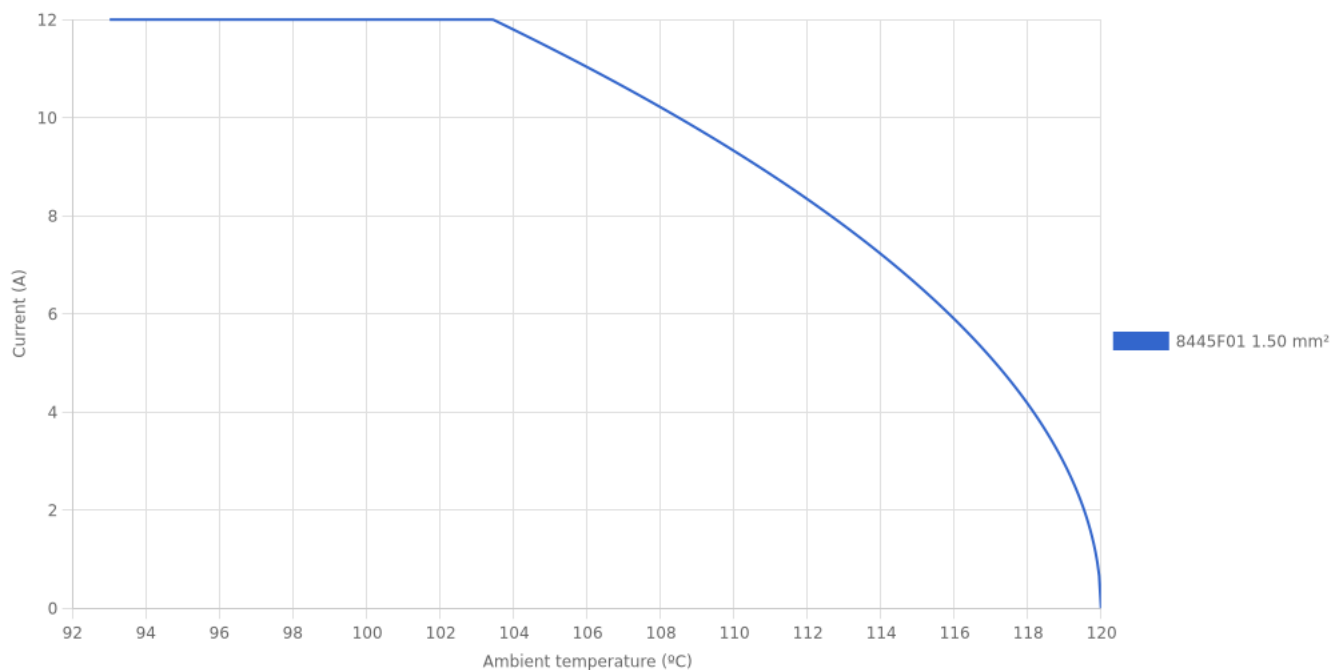
8445F01 PRE-TIN-PLATED BRASS

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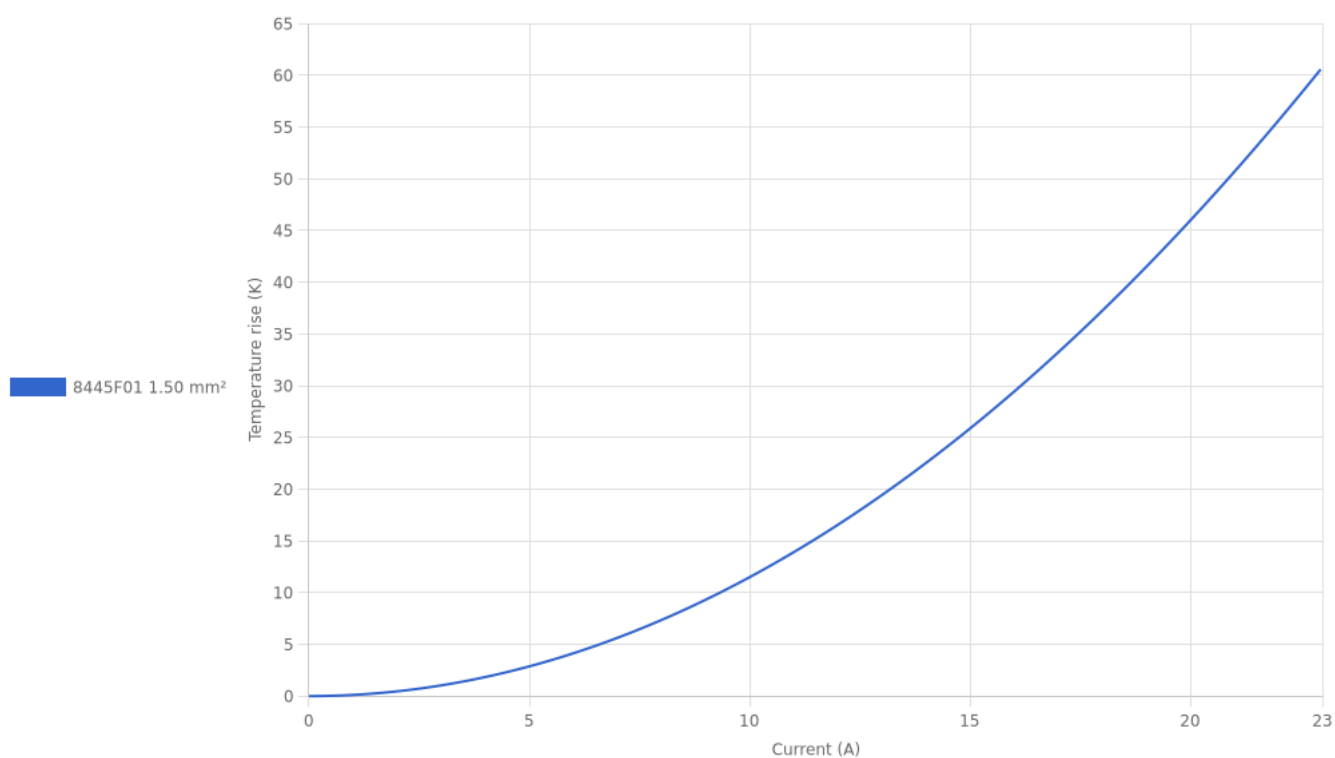
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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