

5812E**

4.8 (.187) TYPE SERIES · FLAGS



Specification	Low insertion
Typology	With Upper Dimple
For male (mm)	4,8x0,5
Wire size mm² (AWG)	0,5-1,5 (20-16)
Ø Insulation (mm)	2,5 Max

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
5812E00	Brass	Natural	110
5812E01	Brass	Pre-tin-plated	120
5812E02	Brass	Tin plated	120
5812E24	Steel	Nickel-plated	300
5812E30	Bronze	Natural	120
5812E31	Bronze	Pre-tin-plated	130
5812E32	Bronze	Tin plated	130

Material thickness (mm) 0,35

Max. rated current

Wire section	5812E00 / 01 / 02 / 24 / 30 / 31 / 32
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A
1.50 mm ²	16A

Insertion / Withdrawal forces

	5812E00 / 01 / 02 / 24 / 30 / 31 / 32
1st Insertion (max)	25N ¹
1st Withdrawal (max)	50N ¹
1st Withdrawal (min)	22N ¹
6th Withdrawal (min)	13N ¹

¹ Valid for Natural Brass Tab

Winding number 5000

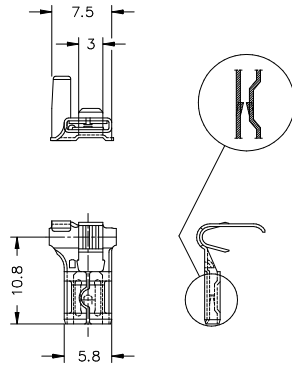
Compatible connectors 24833**

Approvals


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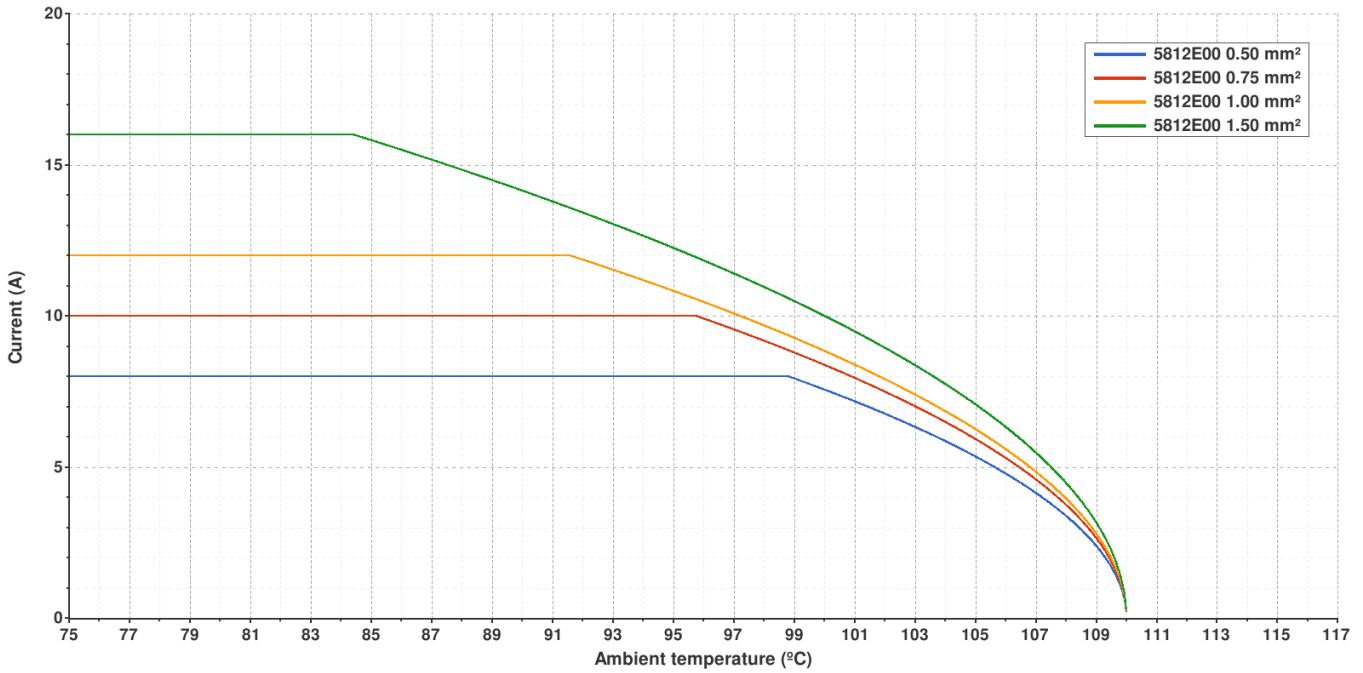
Drawing



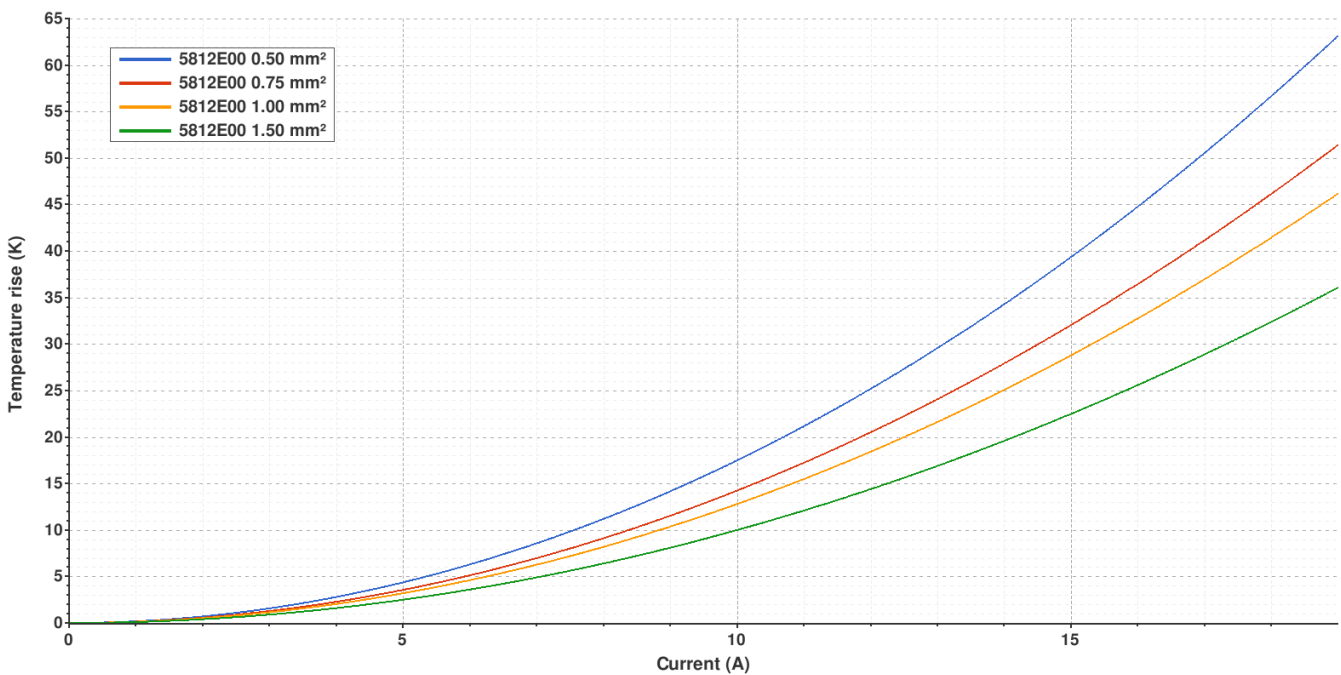
5812E00 NATURAL BRASS
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Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

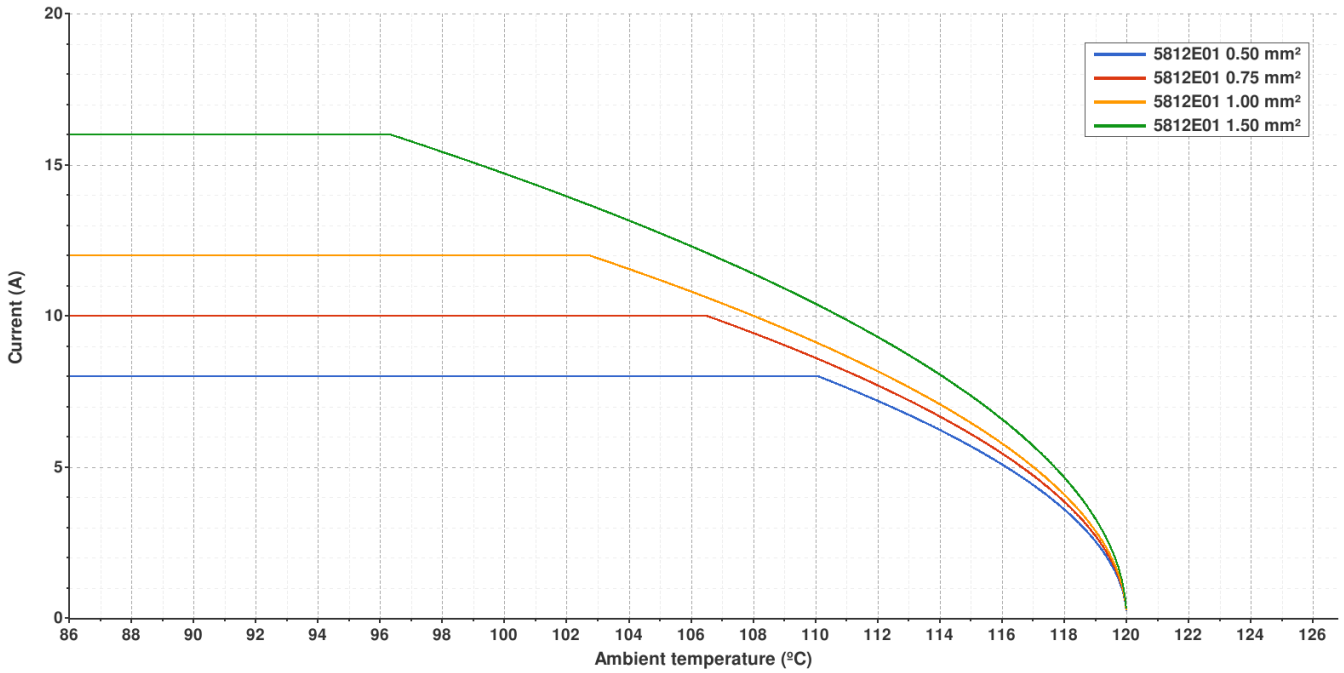


Valid for Natural Brass Tab

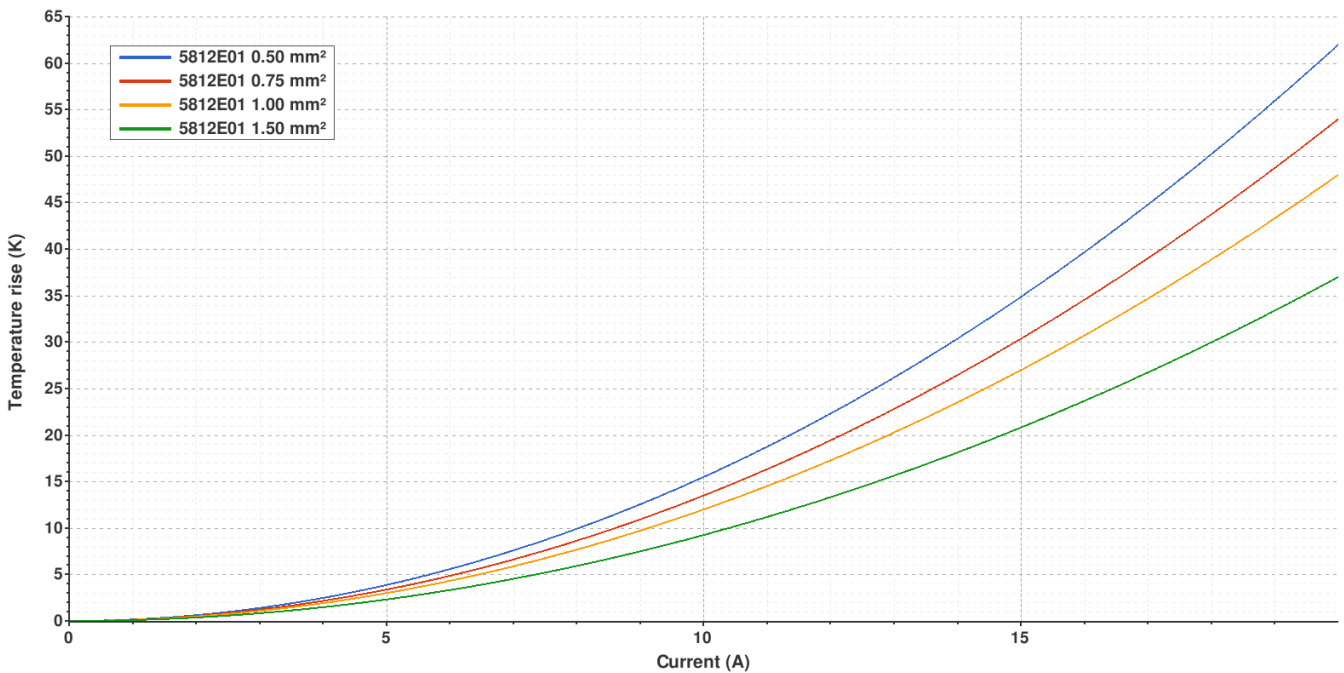
5812E01 PRE-TIN-PLATED BRASS
4.8 (.187) TYPE SERIES · FLAGS



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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Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Change company name and logo	2021-10-21	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)
A1	Datasheet created automatically [A1]	2021-05-03	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)

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