

5817.** 4.8 (.187) TYPE SERIES · FLAGS



Specification	Low insertion
Typology	With Upper Dimple
For male (mm)	4,8x0,5
Wire size mm² (AWG)	0,3-0,75 (22-18)
Ø Insulation (mm)	2,1 Max

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5817.00	Brass	Natural	110	1.00
5817.01	Brass	Pre-tin-plated	120	1.00
5817.24	Steel	Nickel-plated	300	2.50

Material thickness (mm) 0,35

Max. rated current

Wire section	5817.00 / 01 / 24
0.35 mm ²	(T.B.D.)
0.50 mm ²	8A
0.75 mm ²	10A

Insertion / Withdrawal forces



	5817.00 / 01 / 24
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

Application tool MN5817

Wire strip length 3.7 (±0.3) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.30 mm ²	1.20 (±0.03)	1.87 (±0.03)	3.15 (±0.10)	28N @ 60s
0.50 mm ²	1.25 (±0.03)	1.88 (±0.03)	3.15 (±0.10)	56N @ 60s
0.75 mm ²	1.30 (±0.05)	1.89 (±0.05)	3.15 (±0.10)	84N @ 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 5000

Compatible connectors 24833**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5817.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5817
5817.01	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5817
5817.24	UL	UL 310	E211727	AWG 18-18 (16-16 Stranded Cu) / MN5817

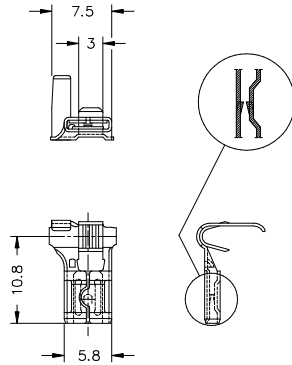
5817.**
4.8 (.187) TYPE SERIES · FLAGS



Approvals



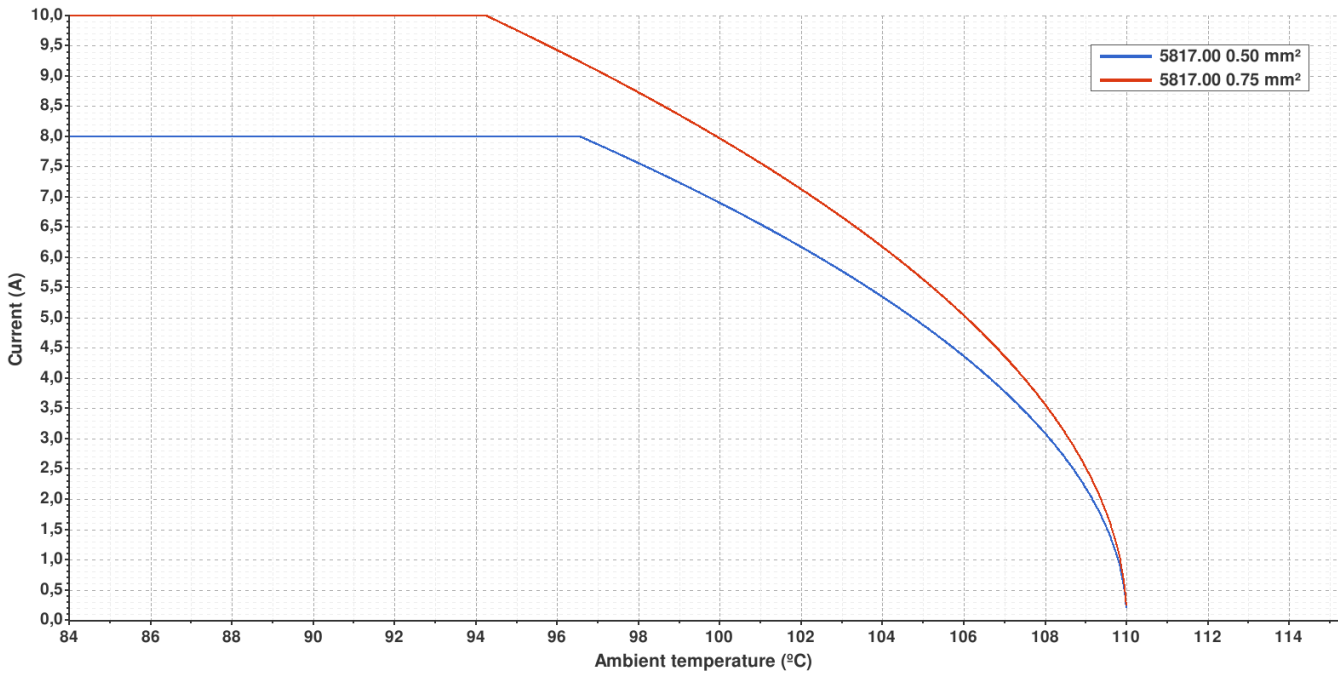
Drawing



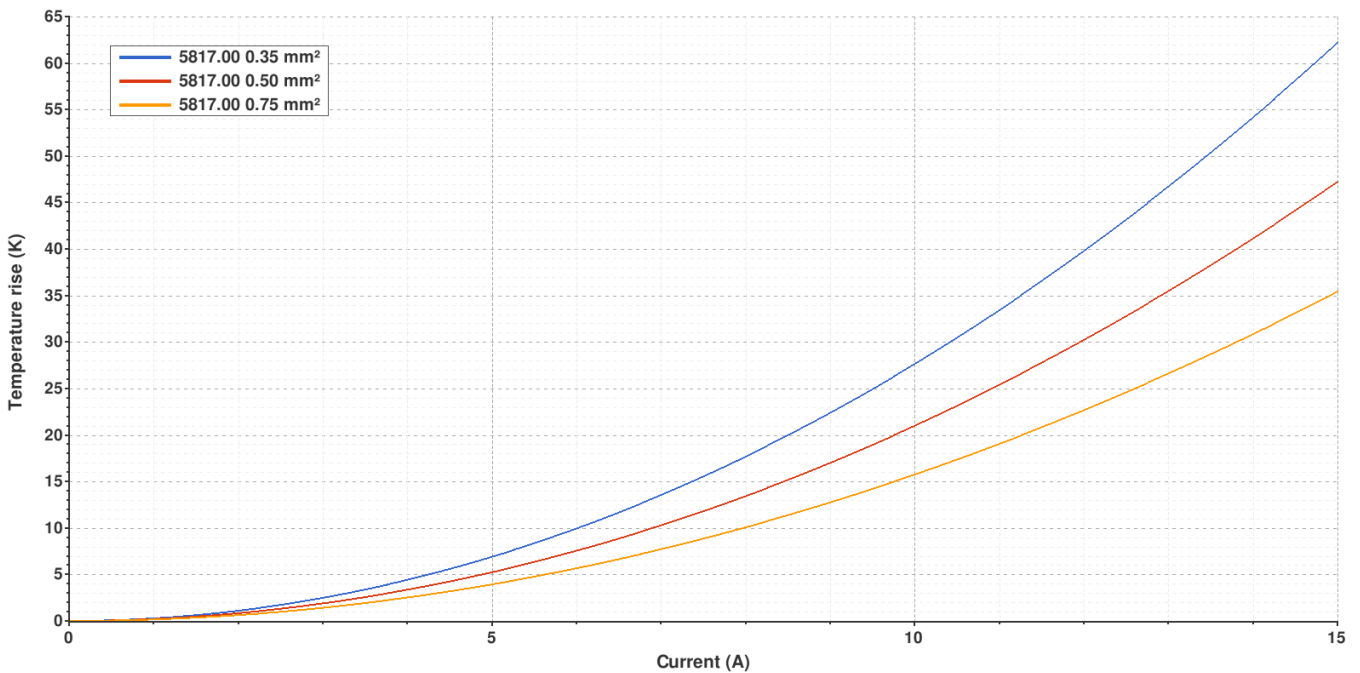
5817.00 NATURAL BRASS
4.8 (.187) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

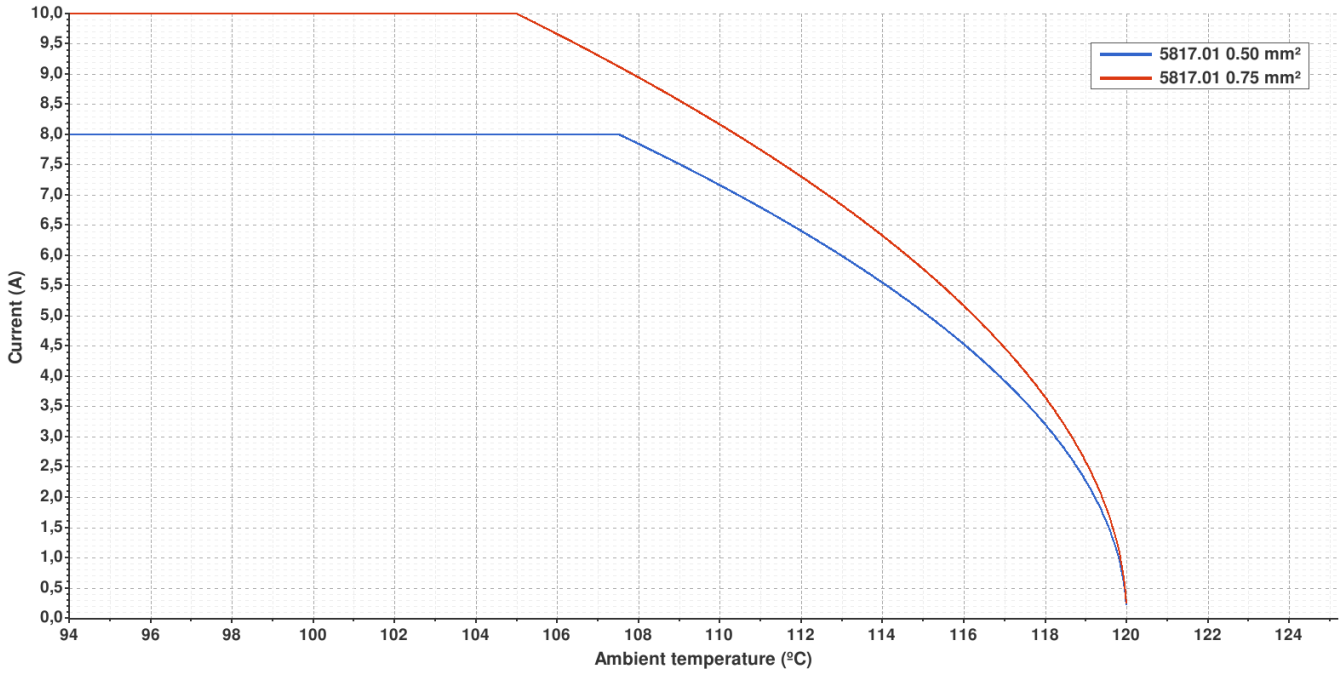


Valid for Natural Brass Tab

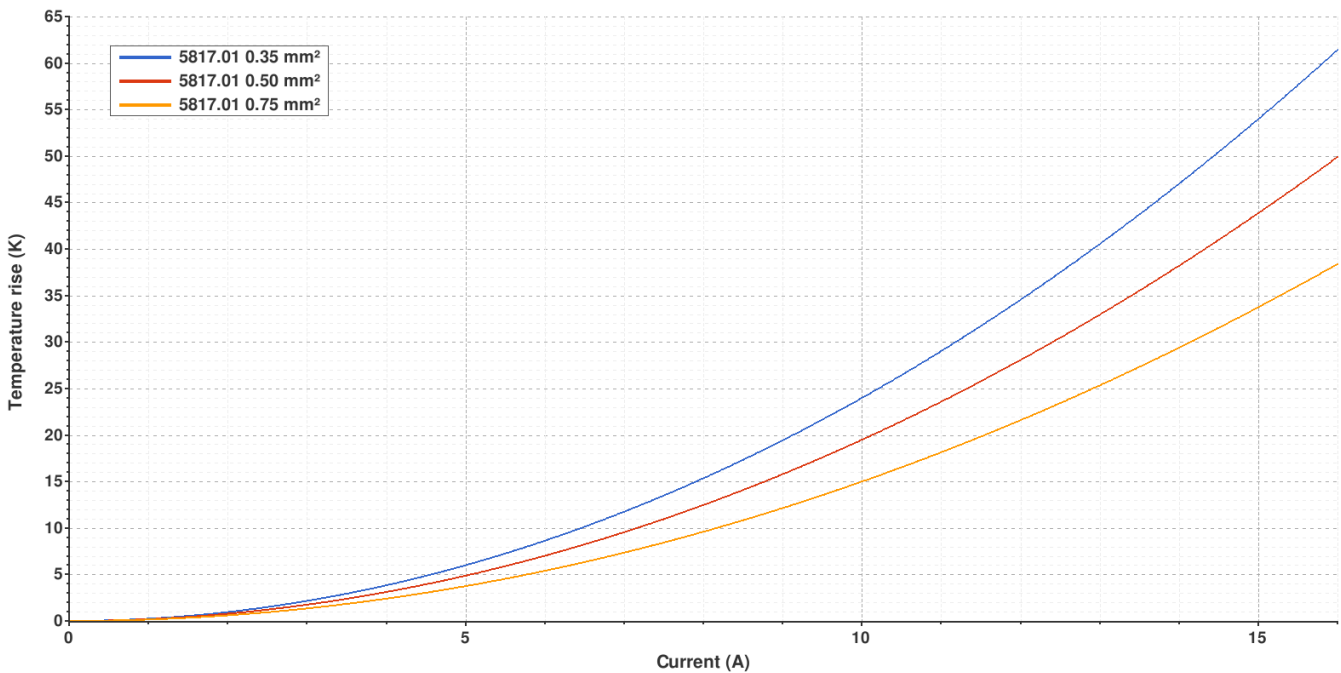
5817.01 PRE-TIN-PLATED BRASS
4.8 (.187) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

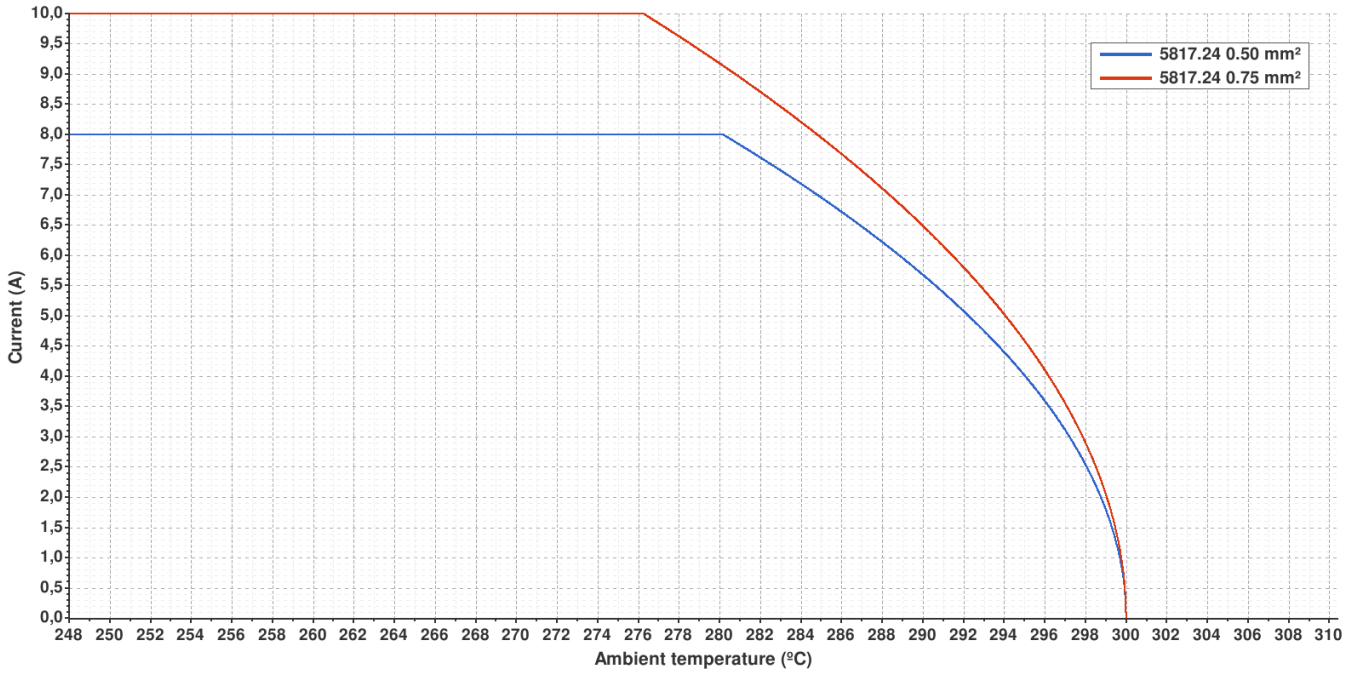


Valid for Natural Brass Tab

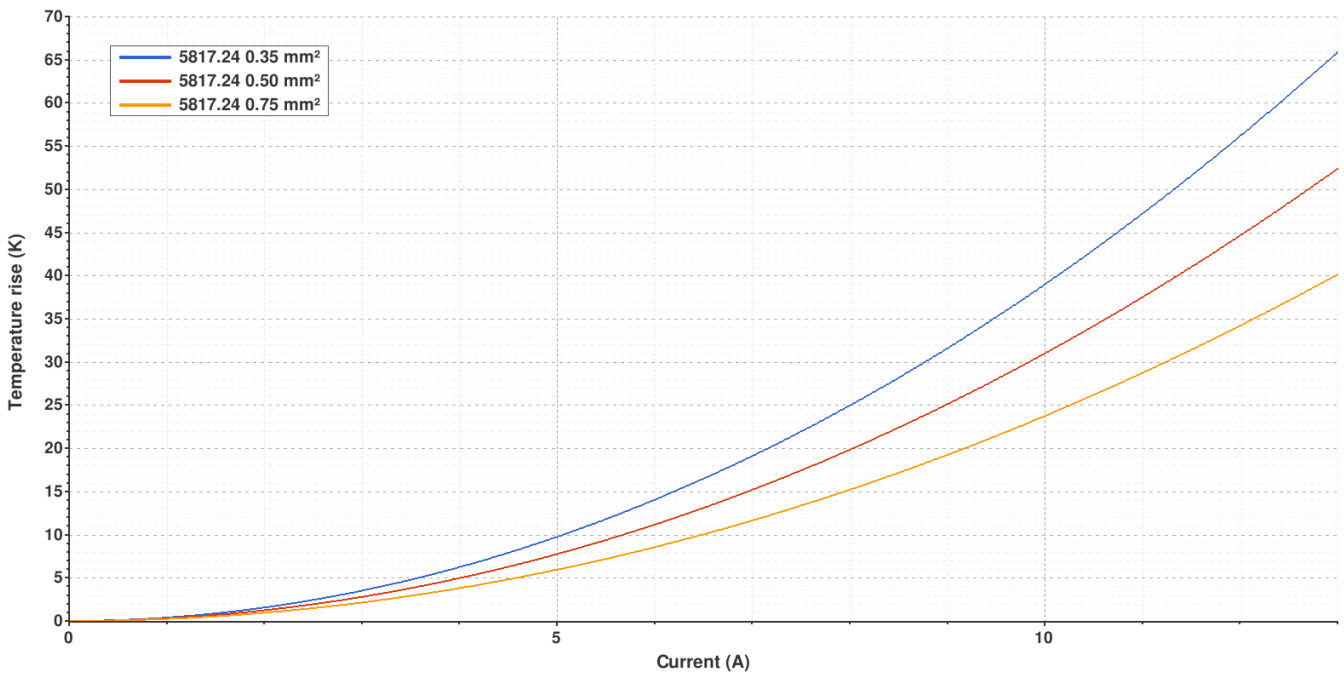
5817.24 NICKEL-PLATED STEEL
4.8 (.187) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

5817.** 4.8 (.187) TYPE SERIES · FLAGS



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

Disclaimer

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, 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	Change company name and logo	2021-10-21	E. Roura (Laboratory Dept.)	M. Codina (Engineering Dept.)
A2	Strip lenght added	2021-05-19	E. Roura (Laboratory Dept.)	M. Codina (Engineering Dept.)
A1	Datasheet created automatically [A1]	2021-05-03	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)

Escubedo Connection Systems, S.A.U. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain
 Tel.: 34 972 171 706 · Fax: +34 972 171 714 · info@escubedo.com · www.escubedo.com