

5722.**

6.3 (.250) TYPE SERIES · FLAGS



Specification Basic self locking under TP design

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 2,7-3,8

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5722.00	Brass	Natural	110	(T.B.D.)
5722.01	Brass	Pre-tin-plated	120	0.50
5722.30	Bronze	Natural	120	(T.B.D.)
5722.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5722.24	Steel	Nickel-plated	300	2.50
5722.70	German Silver	Natural	210	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	5722.00 / 01 / 30 / 31 / 24 / 70
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A

Insertion / Withdrawal forces



	5722.00 / 01 / 30 / 31	5722.24 / 70
1st Insertion (max)	35N ¹	35N ¹
1st Withdrawal (min, locking enabled)	90N ¹	70N ¹

¹ Valid for Natural Brass Tab

Application tool

MN5335

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm ²	1.65 (±0.05)	3.05 (±0.05)	4.01 (±0.10)	108N @ 60s
1.50 mm ²	1.75 (±0.05)	3.07 (±0.05)	4.02 (±0.10)	150N @ 60s
2.00 mm ²	1.85 (±0.05)	3.10 (±0.05)	4.05 (±0.10)	150N @ 60s
2.50 mm ²	1.95 (±0.05)	3.13 (±0.05)	4.05 (±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

3000

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5722.00	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5722
5722.01	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5722
5722.24	UL	UL 310	E211727	AWG 18-14 (16-41 Stranded Cu) / MN5722

Approvals

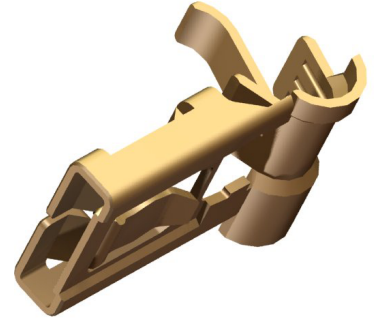
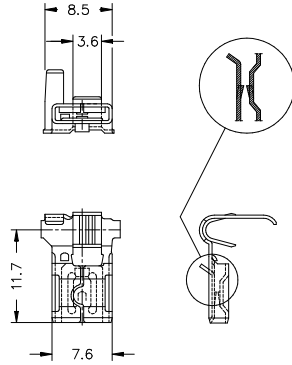


5722.**

6.3 (.250) TYPE SERIES · FLAGS

 **TP LOCK**

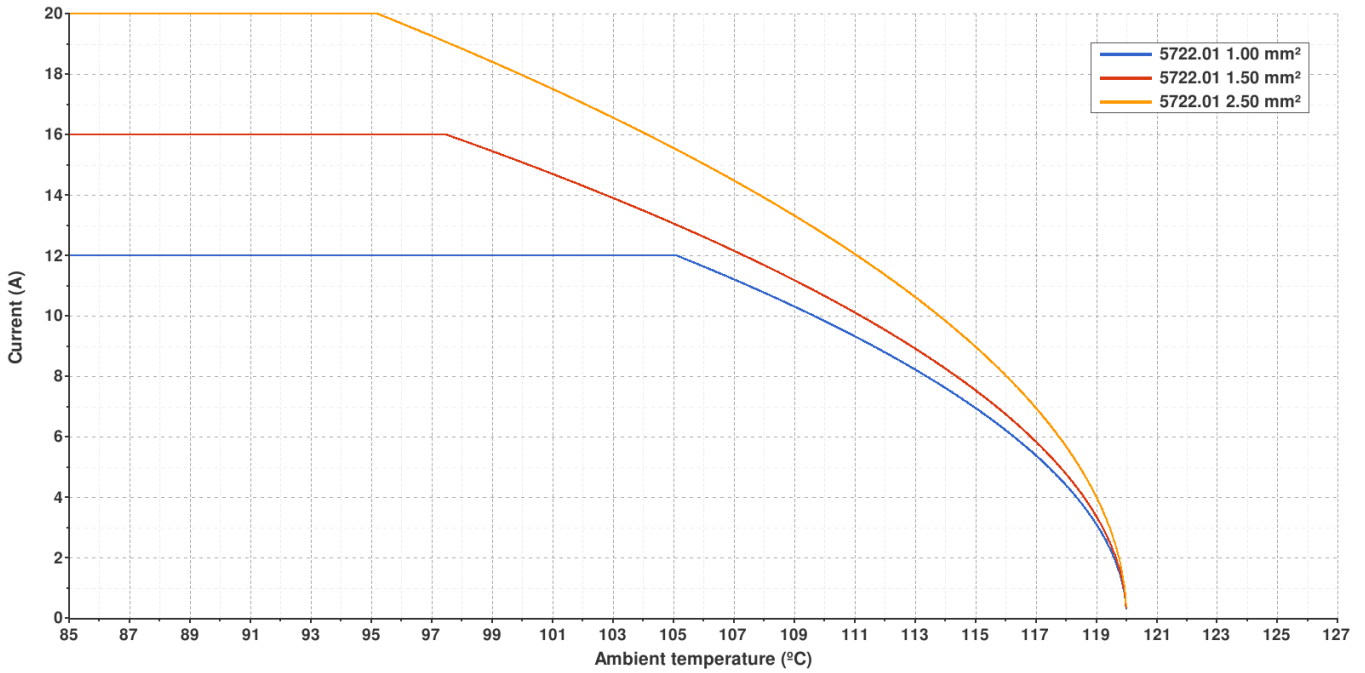
Drawing



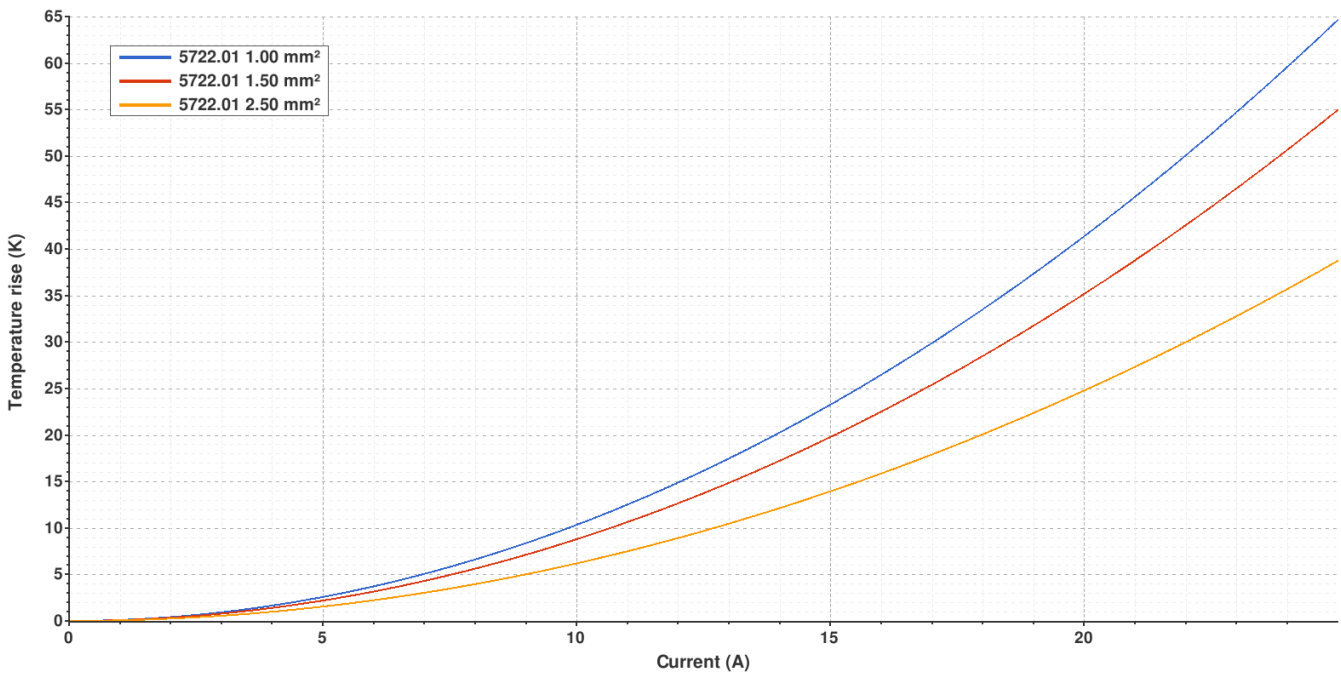
5722.01 PRE-TIN-PLATED BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

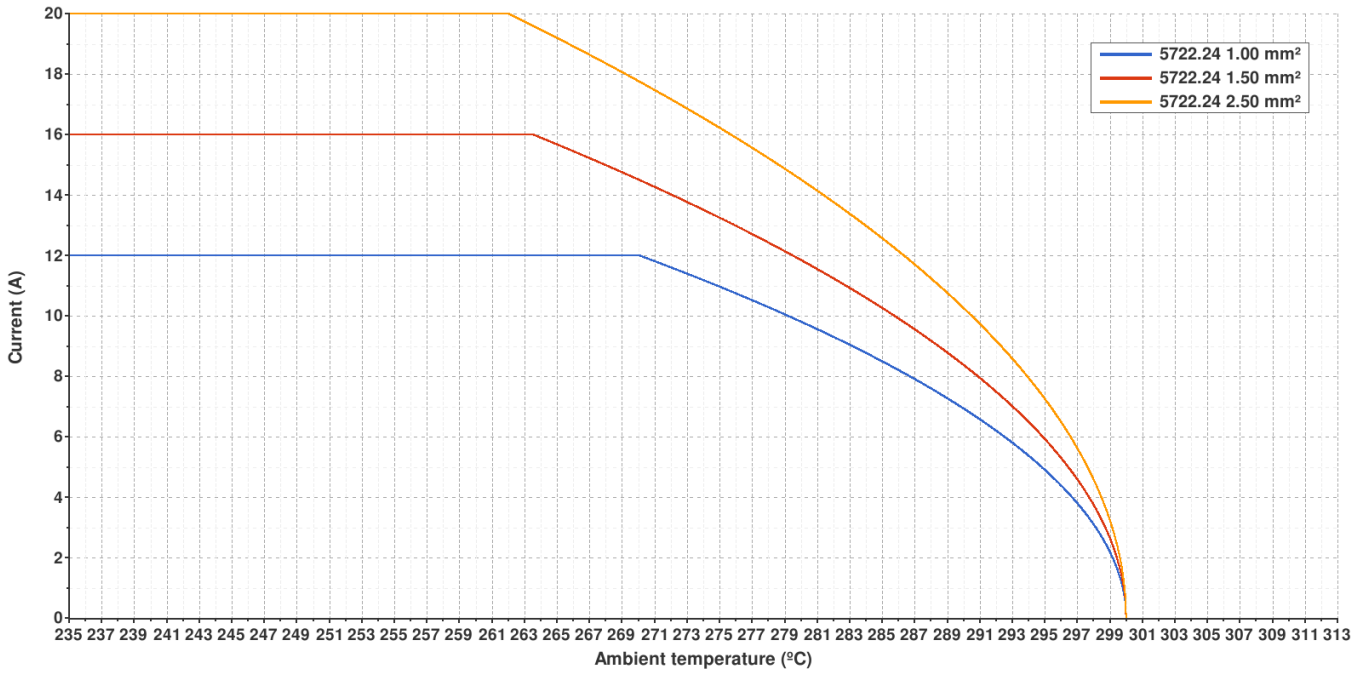


Valid for Natural Brass Tab

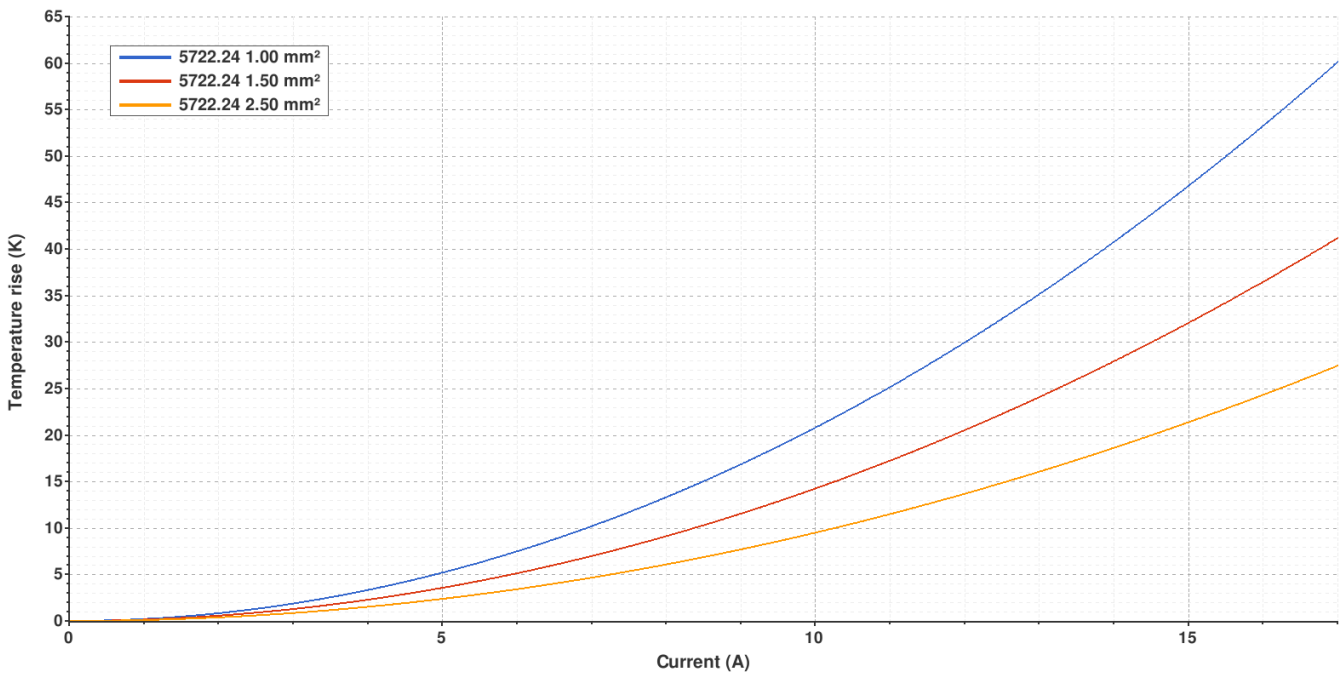
5722.24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

5722.**

6.3 (.250) TYPE SERIES · FLAGS



(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
A2	Update crimp specifications	2024-07-18	E. Roura (Laboratory dept.)	E. Turon (Engineering dept.)
A1	Datasheet generated automatically [A1]	2023-12-11	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