5722.**

6.3 (.250) TYPE SERIES · FLAGS

TP LOCK

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. (ºC)	Contact Resist (mΩ)
5722.00	Brass	Natural	110	(T.B.D.)
5722.01	Brass	Pre-tin-plated	120	0.50
5722.24	Steel	Nickel-plated	300	2.50
5722.30	Bronze	Natural	120	(T.B.D.)
5722.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5722.70	German Silver	Natural	210	(T.B.D.)

Material thickness (mm) 0,4

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 mm²	1.65 (±0.05)	3.05 (±0.05)	4.20 (±0.10)	108N @ 60s
1.50 mm²	1.75 (±0.05)	3.07 (±0.05)	4.30 (±0.10)	150N @ 60s
2.00 mm²	1.85 (±0.05)	3.10 (±0.05)	4.40 (±0.10)	150N @ 60s
2.50 mm²	1.95 (±0.05)	3.13 (±0.05)	4.50 (±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

Max. rated current

Wire section	5722.00 / 01 / 24 / 30 / 31 / 70
1.00 mm²	12A
1.50 mm²	16A
2.50 mm²	20A

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

RoHS

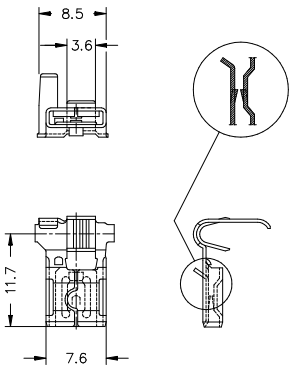
c UL us

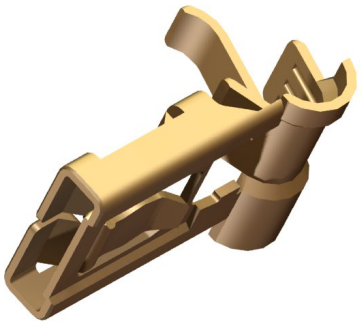
5722.**

6.3 (.250) TYPE SERIES · FLAGS

TP LOCK

Drawing



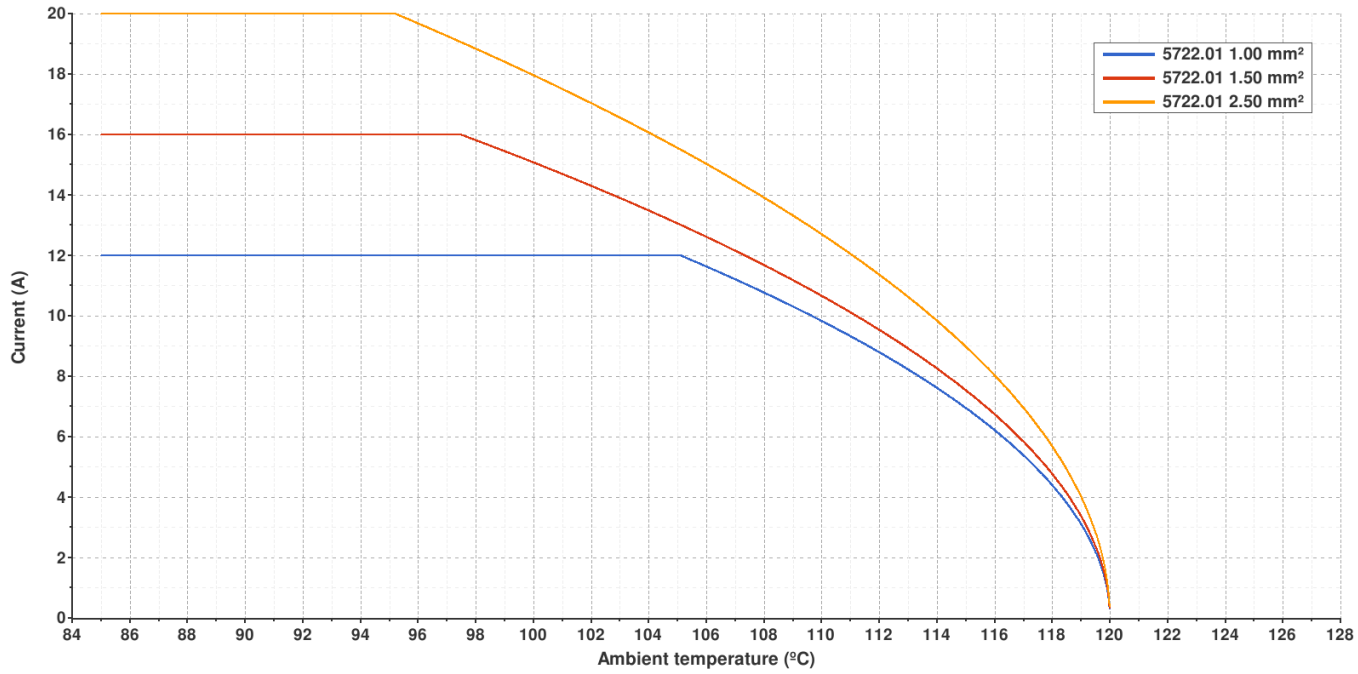


5722.01 PRE-TIN-PLATED BRASS

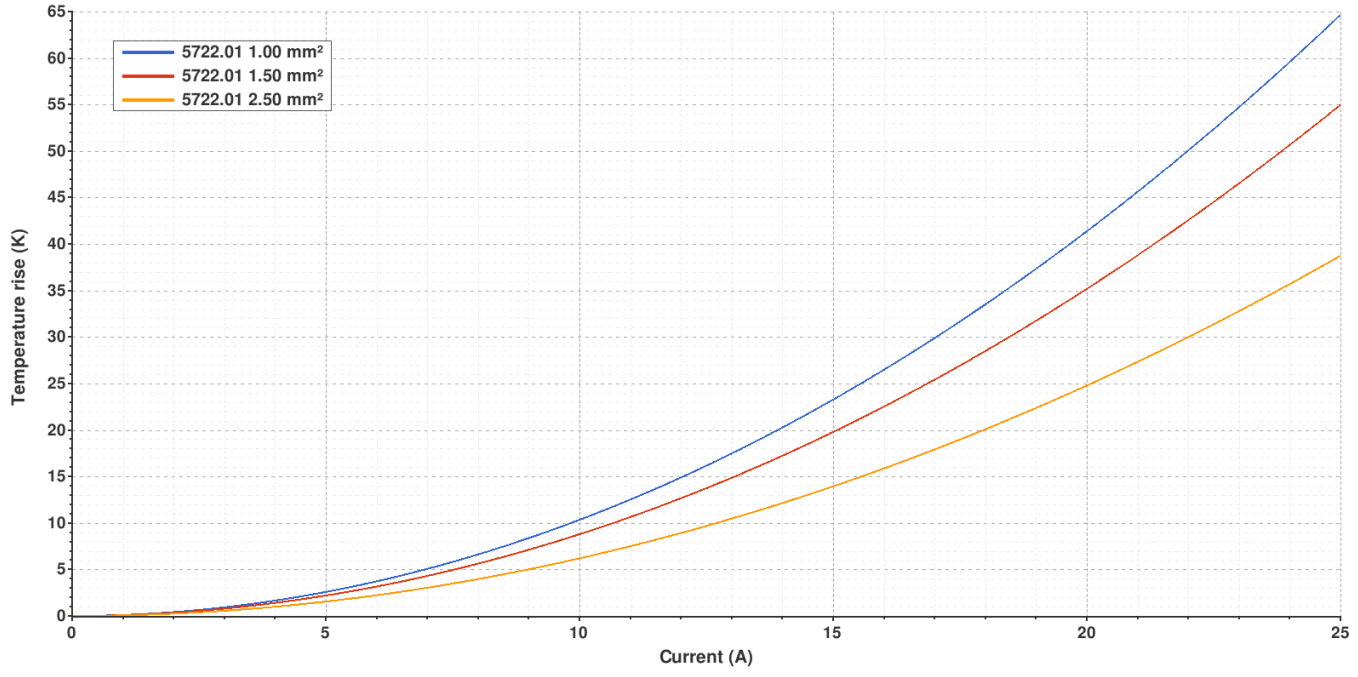
6.3 (.250) TYPE SERIES · FLAGS

TP LOCK

Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



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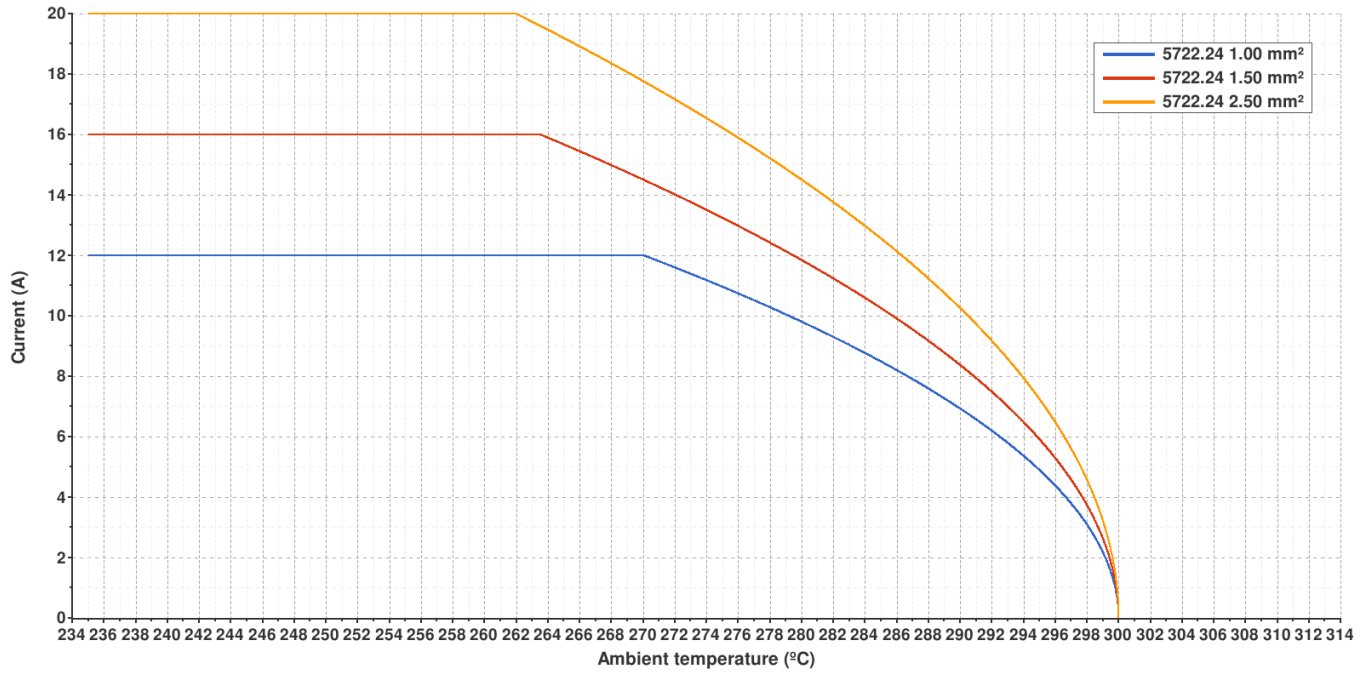
5722.24 NICKEL-PLATED STEEL

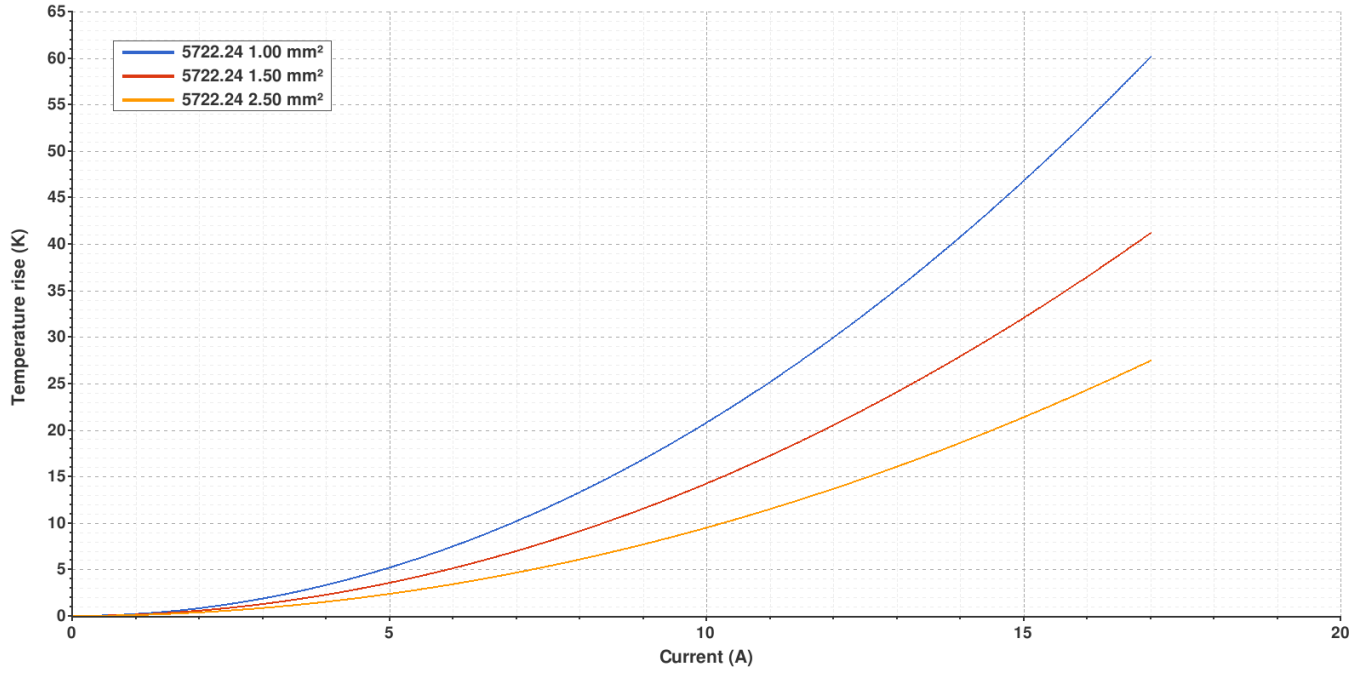
6.3 (.250) TYPE SERIES · FLAGS

TP LOCK

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

TP LOCK

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

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update insulation crimping parameters	2025-12-17	Laboratory dept.	E. Roura (laboratory dept.)
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. · 17843 Riudellots de la Creu · Girona · Spain
Tel.: 34 972 171 706 · Fax: +34 972 171 714 · info@escubedo.com · www.escubedo.com