

5720.** 6.3 (.250) TYPE SERIES · FLAGS



Specification Basic self locking under TP design

For male (mm) 6,3x0,8

Wire size mm² (AWG) 0,5-1,5 (20-16)

Ø Insulation (mm) 1,9-3,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5720.00	Brass	Natural	110	0.75
5720.01	Brass	Pre-tin-plated	120	(T.B.D.)
5720.30	Bronze	Natural	120	(T.B.D.)
5720.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5720.24	Steel	Nickel-plated	300	1.60
5720.70	German Silver	Natural	210	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	5720.00 / 01 / 30 / 31 / 24 / 70
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A
1.50 mm ²	16A



Insertion / Withdrawal forces

	5720.00 / 01 / 30 / 31	5720.24 / 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 MN5333

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm ²	1.40 (±0.03)	2.48 (±0.03)	3.60 (±0.10)	56N @ 60s
0.75 mm ²	1.45 (±0.05)	2.48 (±0.05)	3.60 (±0.10)	84N @ 60s
1.00 mm ²	1.50 (±0.05)	2.51 (±0.05)	3.60 (±0.10)	108N @ 60s
1.50 mm ²	1.65 (±0.05)	2.53 (±0.05)	3.60 (±0.10)	150N @ 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 3500

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
5720.00	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5720
5720.01	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5720
5720.24	UL	UL 310	E211727	AWG 20-18 (10-16 Stranded Cu) / MN5720

Approvals

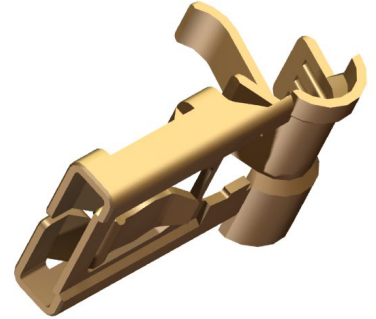
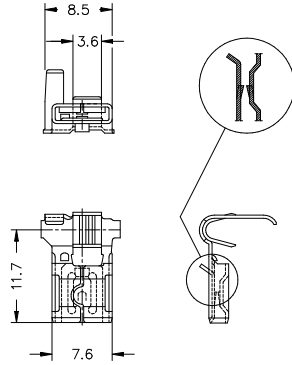


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 **TP LOCK**

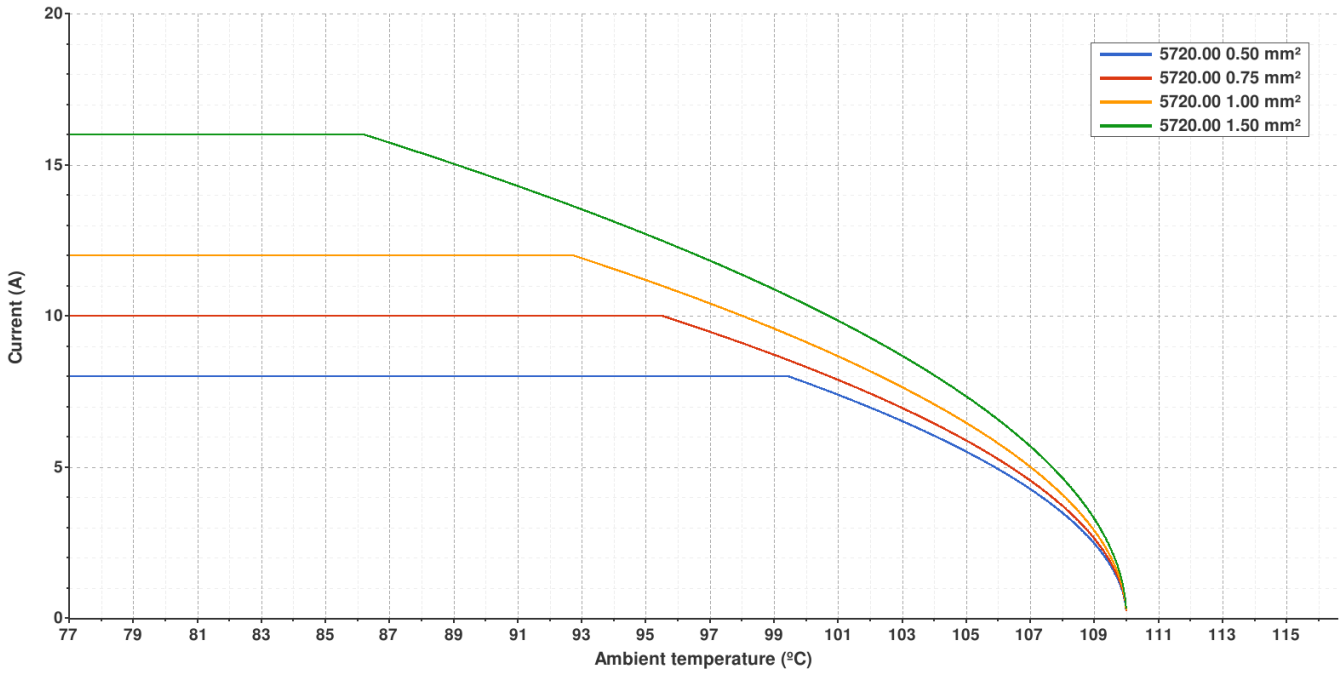
Drawing



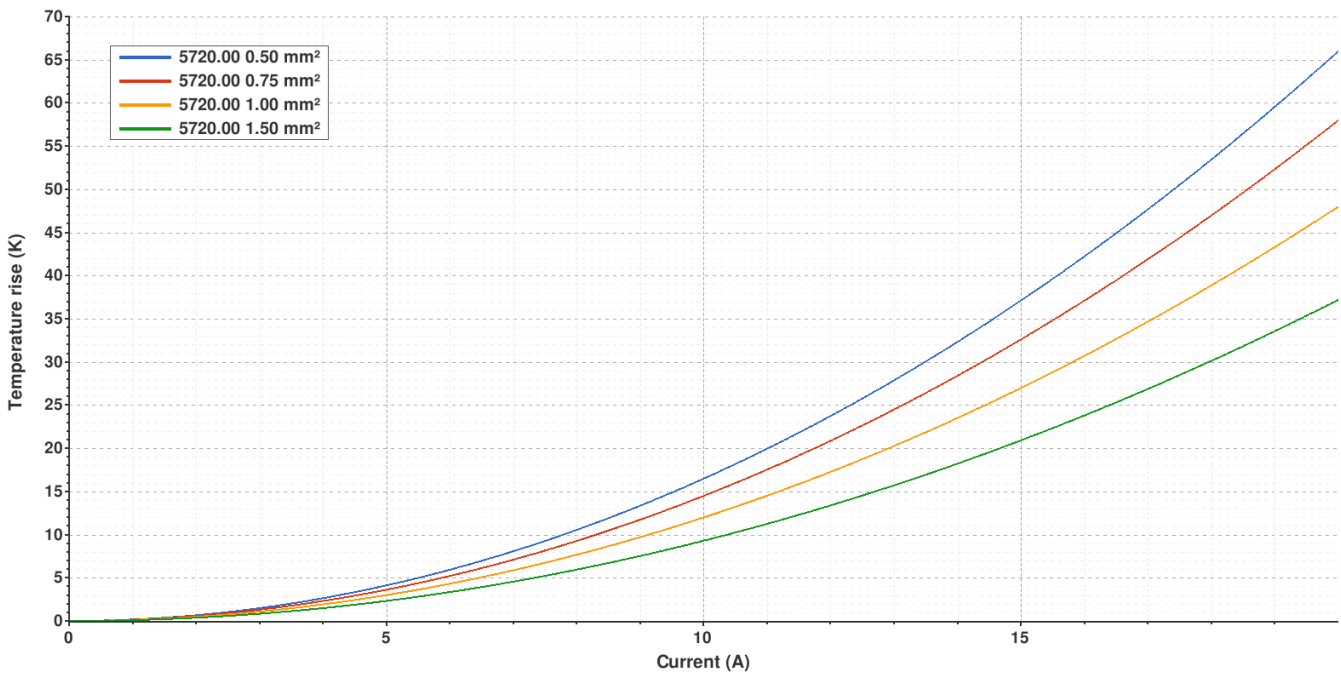
5720.00 NATURAL BRASS
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried

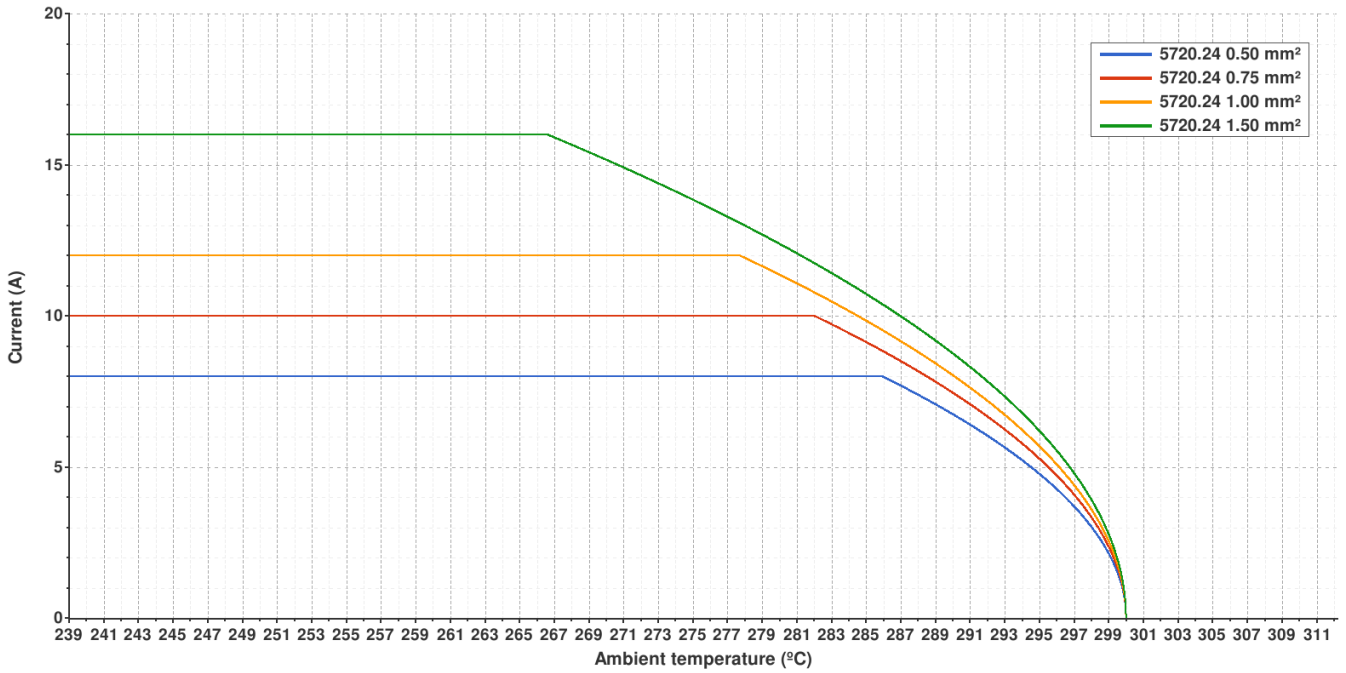


Valid for Natural Brass Tab

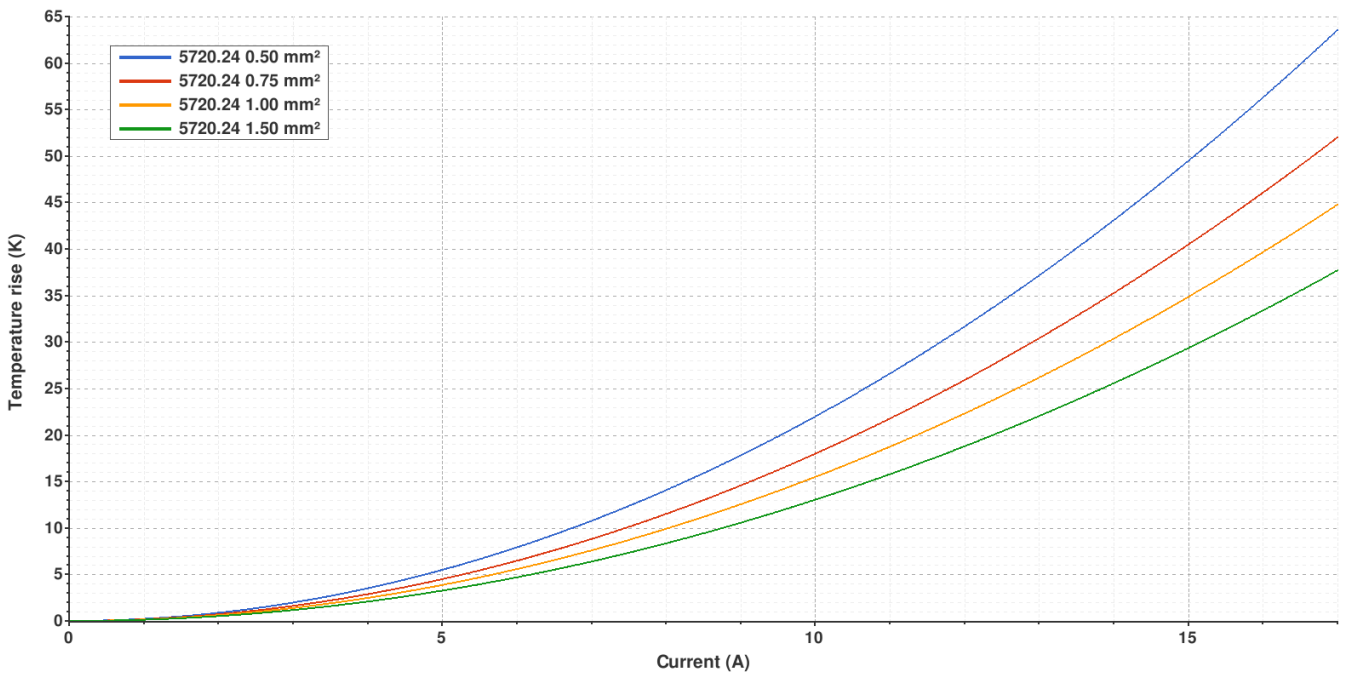
5720.24 NICKEL-PLATED STEEL
6.3 (.250) TYPE SERIES · FLAGS



Derating curve Current carrying capacity vs. Ambient temperature



Temperature rise curve Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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(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

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A1	Datasheet generated automatically [A1]	2023-12-11	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)

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