

5230.**

6.3 (.250) TYPE SERIES · MALE-FEMALE TERMINALS



Specification Low insertion

For male (mm) 6,3x0,8

Wire size mm² (AWG) 0,5-1 (20-18)

Ø Insulation (mm) 1,8-3,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
5230.00	Brass	Natural	110	(T.B.D.)
5230.01	Brass	Pre-tin-plated	120	0.60
5230.30	Bronze	Natural	120	(T.B.D.)
5230.31	Bronze	Pre-tin-plated	130	(T.B.D.)
5230.24	Steel	Nickel-plated	300	(T.B.D.)

Material thickness (mm) 0,4

Max. rated current

Wire section	5230.00 / 01 / 30 / 31 / 24
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A


Insertion / Withdrawal forces

	5230.00 / 30	5230.01 / 31 / 24
1st Insertion (max)	35N	35N
1st Withdrawal (max)	60N	60N
1st Withdrawal (min)	27N	22N
6th Withdrawal (min)	22N	18N

Application tool MN5230

Wire strip length 5.0 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)		
0.50 mm ²	1.35 (±0.03)	2.35 (±0.03)	3.52 (±0.10)	56N @ 60s
0.75 mm ²	1.40 (±0.05)	2.36 (±0.05)	3.52 (±0.10)	84N @ 60s
1.00 mm ²	1.45 (±0.05)	2.37 (±0.05)	3.54 (±0.10)	108N @ 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 1500

Approvals

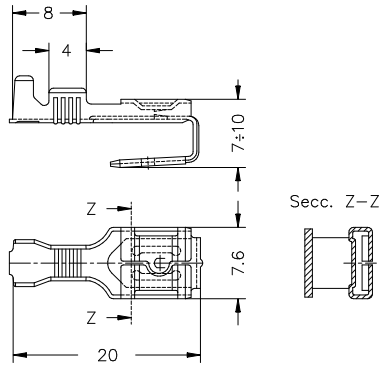


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Drawing



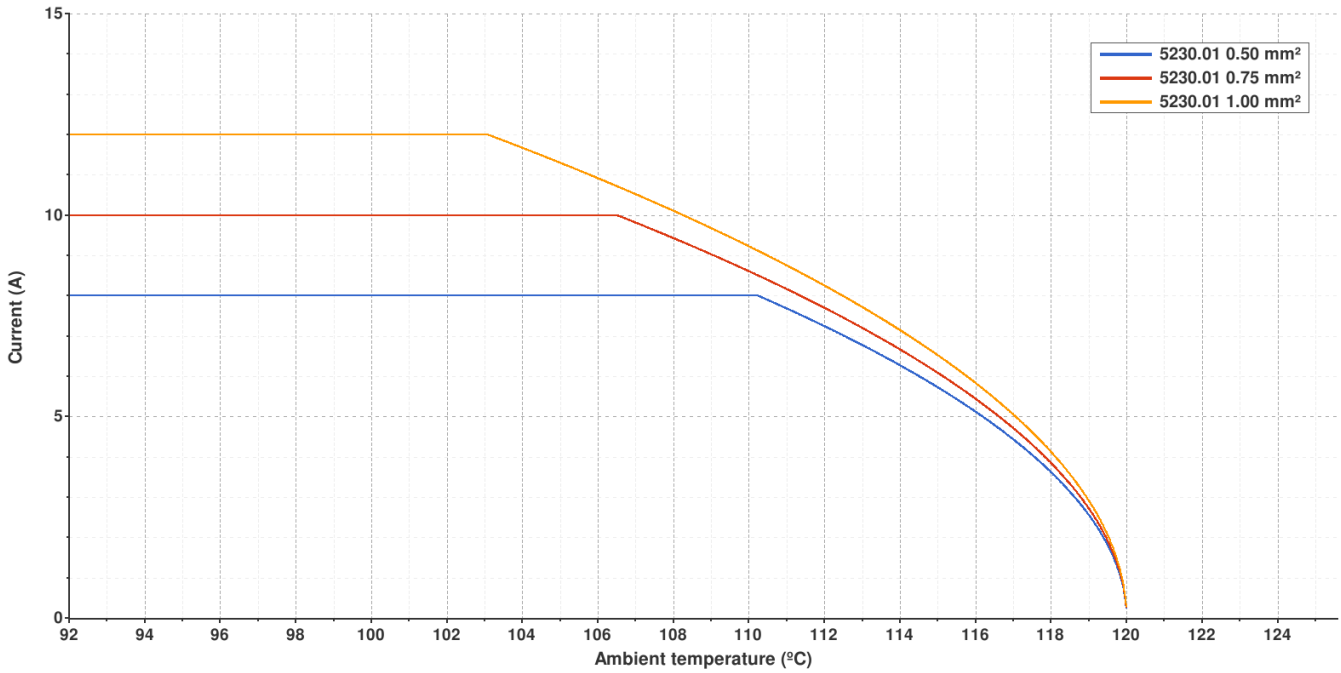
5230.01 PRE-TIN-PLATED BRASS

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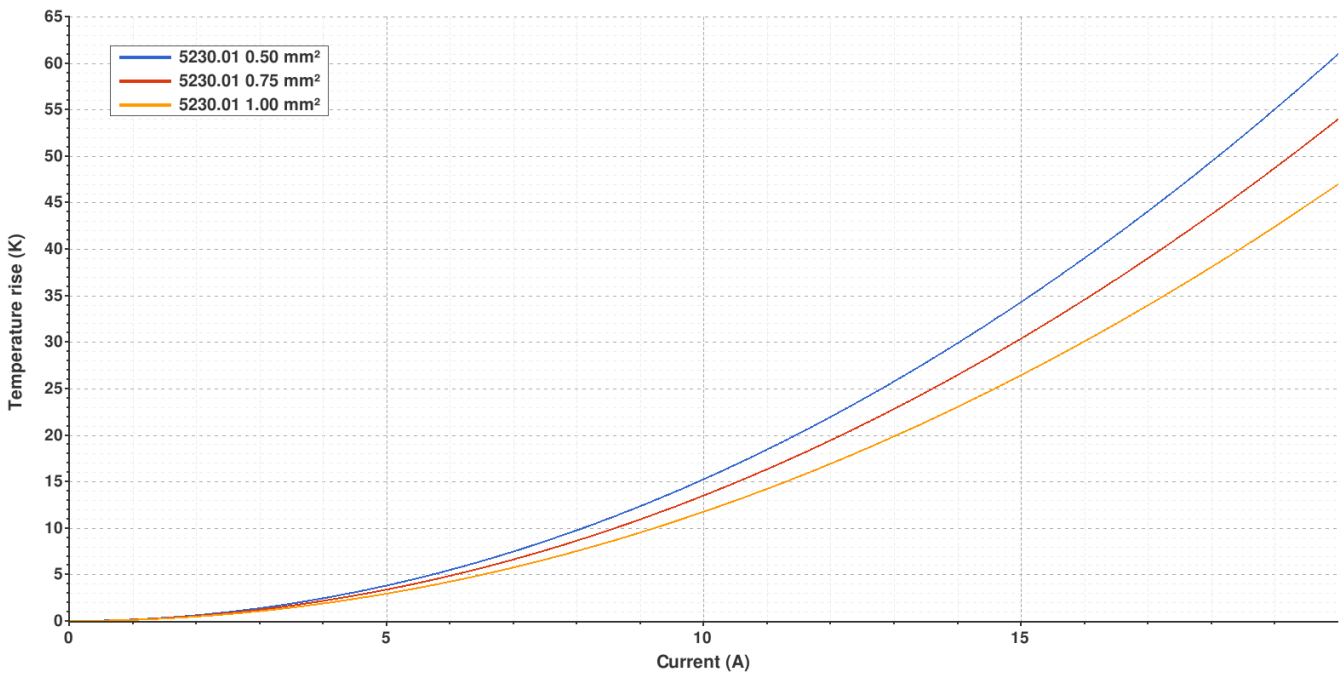
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab

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(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
A2	Update contact resistance and electric curves	2024-03-05	E. Roura (Laboratory Dept.)	E. Roura (Laboratory Dept.)
A1	Datasheet generated automatically [A1]	2023-02-13	D. Yabar (Engineering Dept.)	E. Roura (Laboratory Dept.)

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