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. (ºC)	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 mm²	8A
0.75 mm²	10A
1.00 mm²	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)	Width (mm)	
0.50 mm²	1.35 (±0.03)	2.35 (±0.03)	3.52 (±0.10)	56N @ 60s
0.75 mm²	1.40 (±0.05)	2.36 (±0.05)	3.52 (±0.10)	84N @ 60s
1.00 mm²	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

RoHS

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

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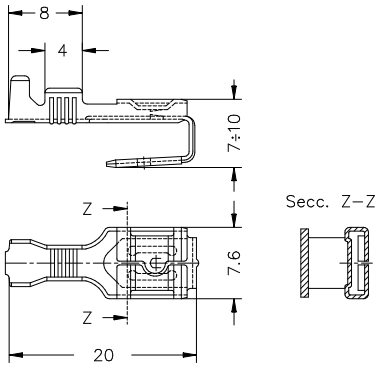
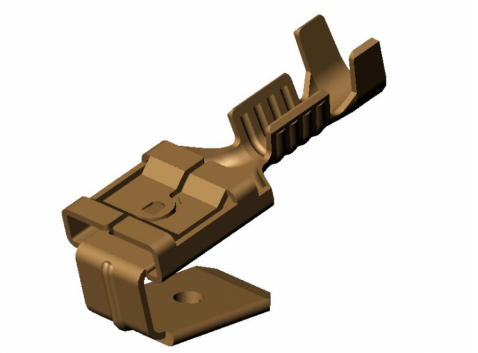
6.3 (.250) TYPE SERIES · MALE-FEMALE TERMINALS

Drawing

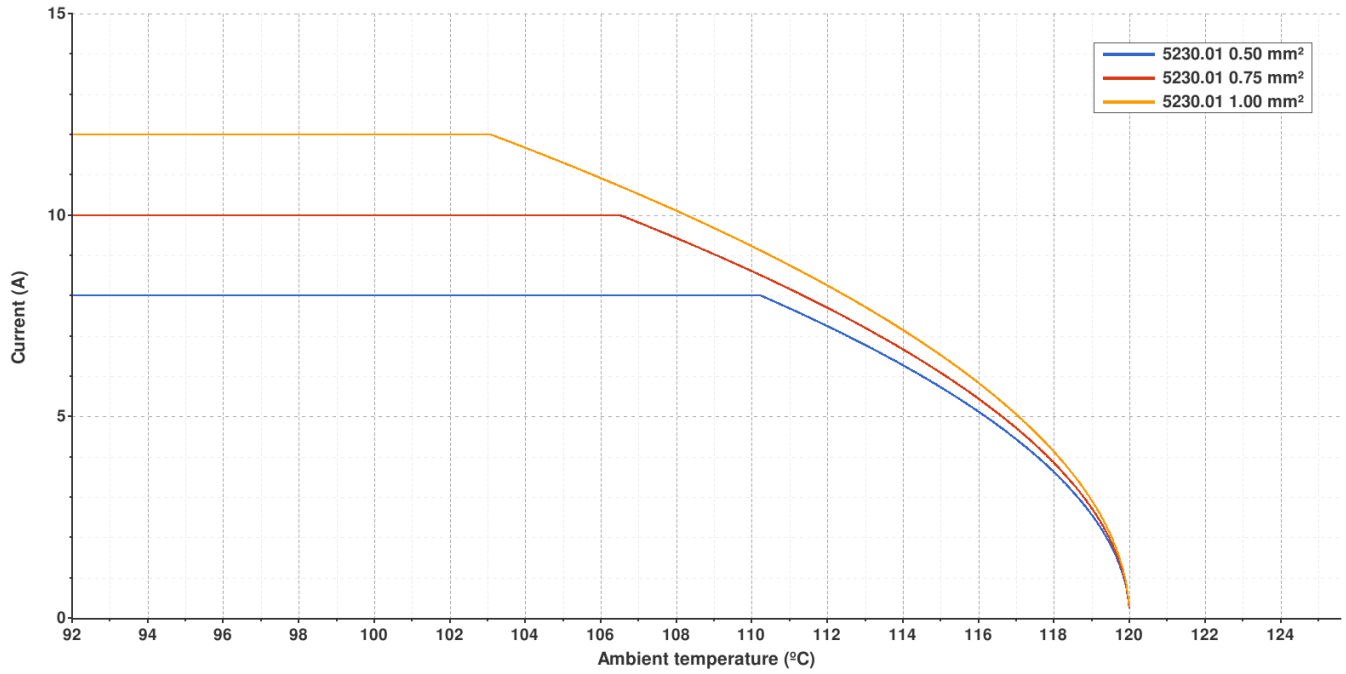




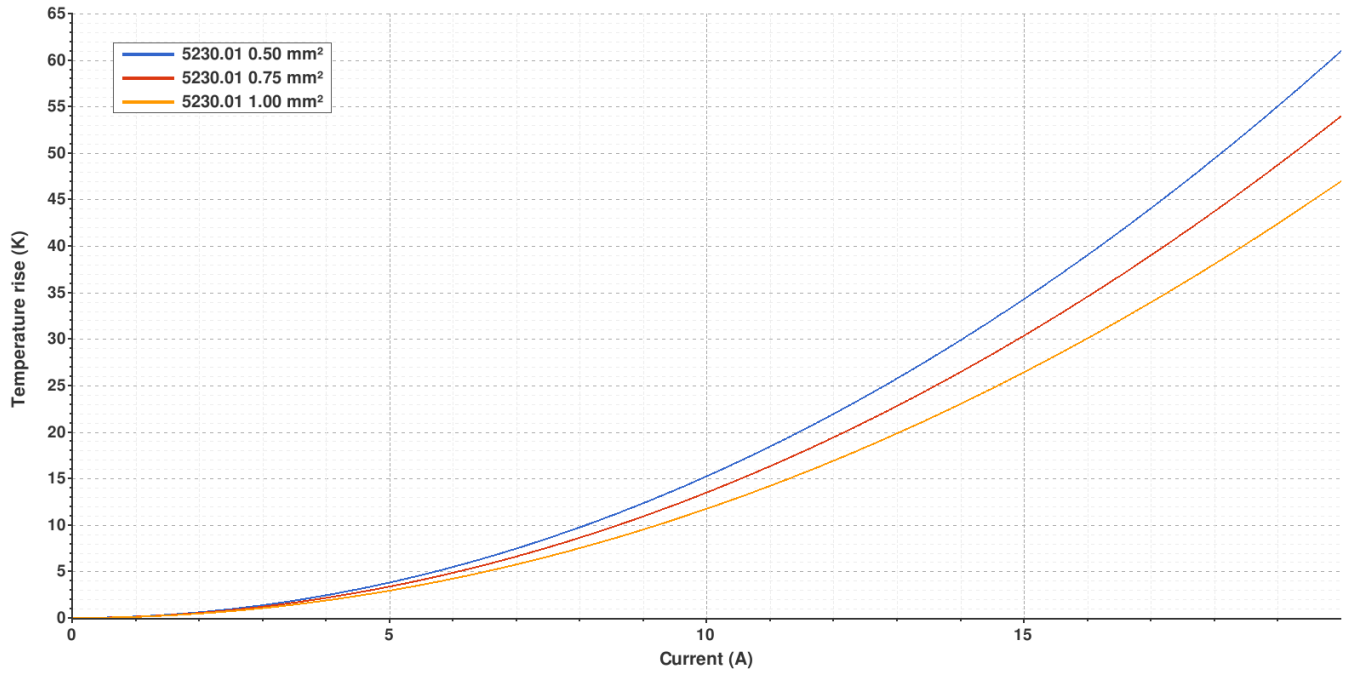
5230.01 PRE-TIN-PLATED BRASS

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

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

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

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 gerenated automatically [A1]	2023-02-13	D. Yabar (Engineering Dept.)	E. Roura (Laboratory Dept.)

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