5218.**

4.8 mm (.187) UP-TP Male-female Terminals

Description Low insertion receptacles for tab 4.8*0.8, with incorporated 4.8*0.8 tab

Wire section range 1.0 ÷ 2.5 mm² (AWG 18 ÷ 14)

Max. Insulator Ø 4.3 mm.

Materials, Temperature & Contact resistance

Part nr.	Material	Finishing	Max. temp. (Cº)	Resist. (mΩ)
5218.00	Brass	Natural	110	0.49
5218.01	Brass	Pre-tin plated	120	0.42
5218.24	Steel	Nickel-plated	300	0.96

Notes: Temperatures as per IEC 61210 standard.
Maximal contact resistance: only contact zone

Material thickness 0.4 mm

Max. Rated current

Wire section (mm²)	Current (A)
1.00	12
1.50	16
2.00	16
2.50	20

Note: Current carrying capacity according to wire size (IEC 60760)

Thermal derating I Incerement curve (see graphs in following sheet)

Insertion/Withdrawal forces

	ESCUBEDO
1st. Insertion	25 N Max.
1st. Withdrawal	22 ÷ 50 N
6th. Withdrawal	13 N Min.

Application tool *MN5216*

Wire striping length 4.3 (±0.5) mm

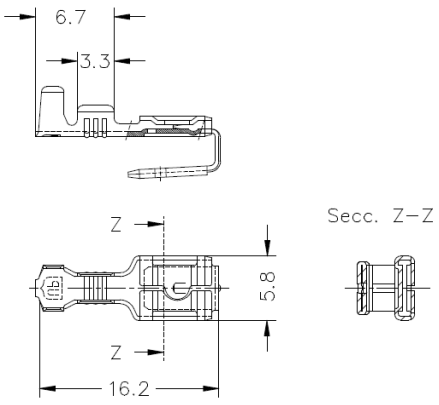
Crimping parameters & Pull out force

Wire section (mm² ±10%)		Conductor (±0,05)		Insulator (±0,10)	Pull-out force (N)	
Nominal	Actual	Height (mm.)	Width (mm.)	Width (mm.)	DIN46249	ESCUBEDO
1.00	0.91	1.45	2.83	4.16	≥ 160	> 185
1.50	1.27	1.60	2.85	4.16	≥ 200	> 230
2.00	2.10	1.75	2.86	4.16	≥ 200	> 250
2.50	2.45	1.90	2.88	4.17	≥ 250	> 265

Note: 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.

Packaging 2.500 Pieces 25 mm. cardboard reel , 17.5 mm terminal chain pitch

Drawing



Approvals

- RoHS Compliant

Notes

T.B.D.: To be determined

Especialitats Elèctriques Escubedo, S.A. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain
Tel.: + 34 972 171 706 · Fax: +34 972 171 714 · e-mail: info@escubedo.com · web: www.escubedo.com

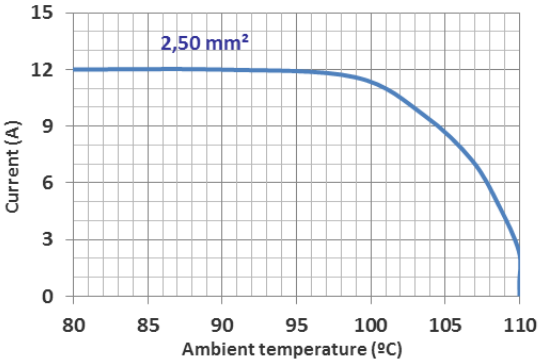
5218.**

4.8 mm (.187) UP-TP Male-femaleTerminals

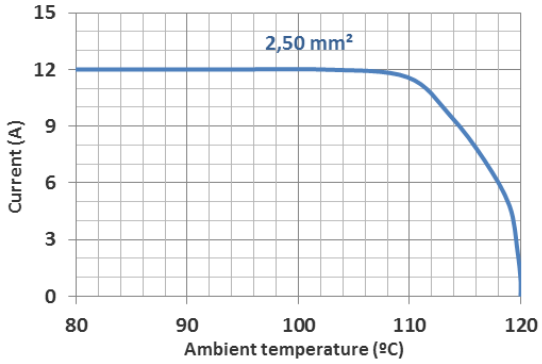
Thermal derating curves

(Maximum current vs. maximum ambient temperature)
Note: 20% security margin is applied on all derating curves

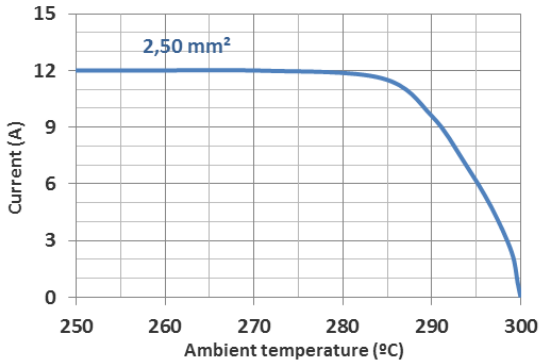
5218.00 (Brass, natural)



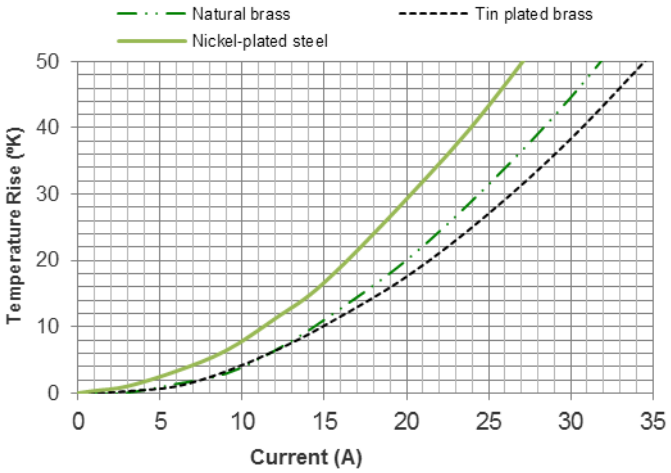
5218.01 (Brass, Pre-tin plated)



5218.24 (Steel,Nickel-plated)



Thermal rise curves



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.	Modification	Date	Created/Revised	Approved
1	Creation/	12/07/2013	D.Martinez	A.calvet

Especialitats Elèctriques Escubedo, S.A. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain
Tel.: + 34 972 171 706 · Fax: +34 972 171 714 · e-mail: info@escubedo.com · web: www.escubedo.com