

5233.**

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



Specification Low insertion

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 2,7-4,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
5233.00	Brass	Natural	110
5233.01	Brass	Pre-tin-plated	120
5233.30	Bronze	Natural	120
5233.31	Bronze	Pre-tin-plated	130
5233.24	Steel	Nickel-plated	300

Material thickness (mm) 0,4

Max. rated current

Wire section	5233.00 / 01 / 30 / 31 / 24
1.00 mm ²	12A
1.50 mm ²	16A
2.50 mm ²	20A


Insertion / Withdrawal forces

	5233.00 / 30	5233.01 / 31 / 24
1st Insertion (max)	35N	35N
1st Withdrawal (max)	60N	60N
1st Withdrawal (min)	27N	22N
6th Withdrawal (min)	22N	18N

Application tool MN5232

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)		
1.00 mm ²	1.55 (±0.05)	2.86 (±0.05)	4.20 (±0.10)	108N @ 60s
1.50 mm ²	1.70 (±0.05)	2.87 (±0.05)	4.20 (±0.10)	150N @ 60s
2.00 mm ²	1.85 (±0.05)	2.89 (±0.05)	4.17 (±0.10)	150N @ 60s
2.50 mm ²	2.00 (±0.05)	2.90 (±0.05)	4.17 (±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 2000

Approvals

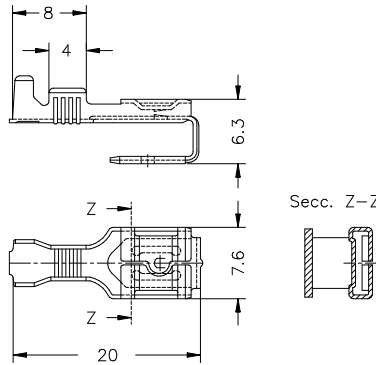


5233.**

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



Drawing



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

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