

4113E** 4.8 (.187) TYPE SERIES · RECEPTACLES FOR CONNECTOR



Specification	Low insertion
Typology	Without Upper Dimple
For male (mm)	4,8x0,5
Wire size mm² (AWG)	0,5-1,5 (20-16)
Ø Insulation (mm)	1,8-2,5

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
4113E00	Brass	Natural	110
4113E01	Brass	Pre-tin-plated	120
4113E24	Steel	Nickel-plated	300
4113E30	Bronze	Natural	120
4113E31	Bronze	Pre-tin-plated	130

Material thickness (mm) 0,35

Max. rated current

Wire section	4113E00 / 01 / 24 / 30 / 31
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A
1.50 mm ²	16A

Insertion / Withdrawal forces


	4113E00 / 01 / 24 / 30 / 31
1st Insertion (max)	15N ¹
1st Withdrawal (max)	20N ¹
6th Withdrawal (min)	5N ¹

¹ Valid for Natural Brass Tab

Application tool MN4815E

Wire strip length 4.4 (±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	1.30 (±0.03)	2.36 (±0.03)	3.13 (±0.10)	56N @ 60s
0.75 mm ²	1.40 (±0.05)	2.37 (±0.05)	3.13 (±0.10)	84N @ 60s
1.00 mm ²	1.50 (±0.05)	2.39 (±0.05)	3.14 (±0.10)	108N @ 60s
1.50 mm ²	1.65 (±0.05)	2.40 (±0.05)	3.15 (±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 10000

Approvals

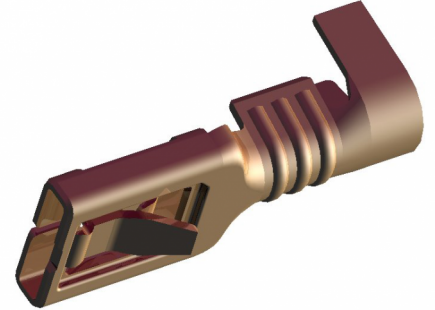
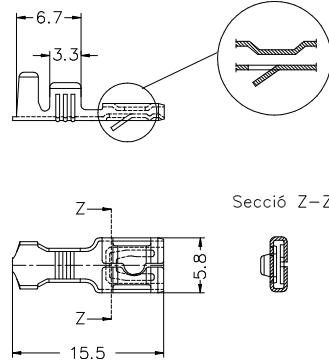


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Drawing



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A2	Change company name and logo	2021-10-21	E.Roura (laboratory dept.)	M.Codina (engineering dept.)
A1	Datasheet generated automatically	2021-01-22	E.Roura (laboratory dept.)	M.Codina (engineering 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