ESCUBEDO CONNECTION SYSTEMS

PRODUCT DATASHEET

4112E**
4.8 (.187) TYPE SERIES · RECEPTACLES FOR CONNECTOR

Specification Low insertion

Typology With 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. (ºC)
4112E00	Brass	Natural	110
4112E01	Brass	Pre-tin-plated	120
4112E24	Steel	Nickel-plated	300
4112E30	Bronze	Natural	120
4112E31	Bronze	Pre-tin-plated	130

Material thickness (mm) 0,35

Max. rated current

Wire section	4112E00 / 01 / 24 / 30 / 31
0.50 mm²	8A
0.75 mm²	10A
1.00 mm²	12A
1.50 mm²	16A

Insertion / Withdrawal forces

	4112E00 / 01 / 24 / 30 / 31
1st Insertion (max)	20N[1]
1st Withdrawal (max)	40N[1]
6th Withdrawal (min)	8N[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)	Width (mm)	
0.50 mm²	1.30 (±0.03)	2.36 (±0.03)	3.13 (±0.10)	56N @ 60s
0.75 mm²	1.40 (±0.05)	2.37 (±0.05)	3.13 (±0.10)	84N @ 60s
1.00 mm²	1.50 (±0.05)	2.39 (±0.05)	3.14 (±0.10)	108N @ 60s
1.50 mm²	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 RoHS

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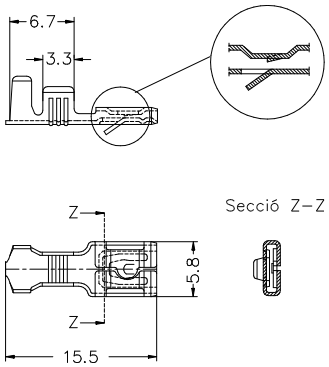
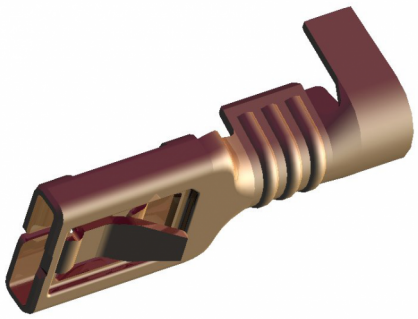
Drawing





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
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.)

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