

8514.** CYLINDRICAL TERMINALS · FLAGS



Specification Standard Terminals

Ø (mm) 2

Wire size mm² (AWG) 0,5-1 (20-18)

Ø Insulation (mm) 1,8-2,5

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
8514.00	Brass	Natural	110
8514.01	Brass	Pre-tin-plated	120
8514.24	Steel	Nickel-plated	300
8514.30	Bronze	Natural	120
8514.31	Bronze	Pre-tin-plated	130
8514.70	German Silver	Natural	210

Material thickness (mm) 0,3

Max. rated current

Wire section	8514.00 / 01 / 24 / 30 / 31 / 70
0.50 mm ²	6A
0.75 mm ²	8A
1.00 mm ²	8A



Insertion / Withdrawal forces

	8514.00 / 01 / 30 / 31 / 70	8514.24
1st Insertion (max)	30N	40N
1st Withdrawal (max)	30N	30N
6th Withdrawal (min)	12N	12N

Application tool MN8514

Wire strip length 3.8 (±0.3) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.50 mm ²	1.15 (±0.03)	2.05 (±0.03)	3.20 (±0.10)	56N @ 60s
0.75 mm ²	1.25 (±0.05)	2.05 (±0.05)	3.20 (±0.10)	84N @ 60s
1.00 mm ²	1.35 (±0.05)	2.06 (±0.05)	3.20 (±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 7000

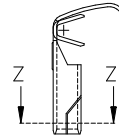
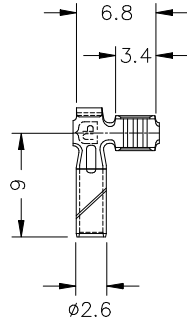
Approvals



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Drawing



Secc. Z-Z



Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Change company name and logo	2021-10-21	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A2	1st Insertion Force for steel updated	2021-01-18	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A1	Datasheet generated automatically [A1]	2018-10-04	Laboratory Dept.	E. Roura

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