

8683.**

1.5 (.060) TYPE SERIES · RECEPTACLES FOR CONNECTOR



Specification Receptacles for connector

For male (mm) 1,5x0,8

Wire size mm² (AWG) 0,5-1 (20-18)

Ø Insulation (mm) STD

Counterpart 6481.**; 6483.**; 6485.**; 6477.**; 6479.**

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
8683.81	Cu. Alloy	Pre-tin-plated	150

Material thickness (mm) 0,25

Max. rated current

Wire section	8683.81
1.00 mm ²	8A

Insertion / Withdrawal forces


	8683.81
1st Insertion (max)	6N ¹
1st Insertion (min)	3N ¹
1st Withdrawal (max)	4N ¹
1st Withdrawal (min)	2N ¹

¹ Valid for 6483.51

Application tool MN8683

Wire strip length 4.7 (±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	1.10 (±0.03)	2.06 (±0.03)	2.40 (±0.10)	56N @ 60s
0.75 mm ²	1.20 (±0.05)	2.07 (±0.05)	2.40 (±0.10)	84N @ 60s
1.00 mm ²	1.30 (±0.05)	2.08 (±0.05)	2.40 (±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 5000

Compatible connectors 21550**, 21553**

Approvals

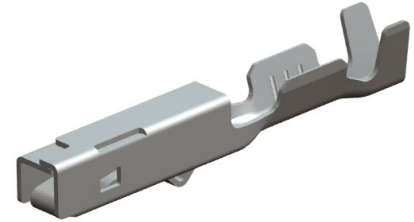
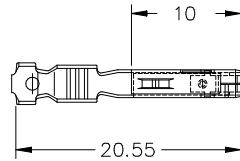
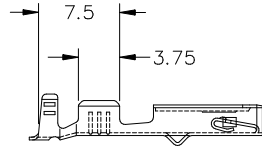


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Drawing



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A1	Datasheet generated automatically [A1]	2022-03-18	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)

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