

8681.** 1.5 (.060) TYPE SERIES · RECEPTACLES FOR CONNECTOR



Specification Receptacles for connector

For male (mm) 1,5x0,8

Wire size mm² (AWG) 0,35-0,5 (22-20)

Ø Insulation (mm) STD

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

Materials, temperature and contact resistance

| Part nr. | Material | Finishing | Max. Temp. (°C) |
|----------|-----------|----------------|-----------------|
| 8681.81 | Cu. Alloy | Pre-tin-plated | 150 |

Material thickness (mm) 0,25

Max. rated current

| Wire section | 8681.81 |
|----------------------|---------|
| 0.50 mm ² | 6A |

Insertion / Withdrawal forces

| | 8681.81 |
|----------------------|-----------------|
| 1st Insertion (max) | 6N ¹ |
| 1st Insertion (min) | 3N ¹ |
| 1st Withdrawal (max) | 4N ¹ |
| 1st Withdrawal (min) | 2N ¹ |

¹ Valid for 6481.51

Application tool MN8681

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) | | |
| 0.35 mm ² | 1.05 (±0.03) | 1.75 (±0.03) | 2.40 (±0.10) | 40N @ 60s |
| 0.50 mm ² | 1.10 (±0.03) | 1.76 (±0.03) | 2.40 (±0.10) | 56N @ 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 6000

Compatible connectors 21550**, 21553**

Approvals

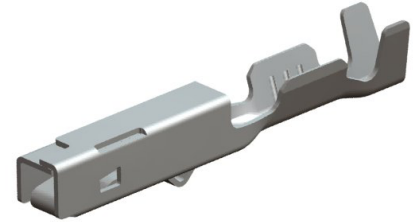
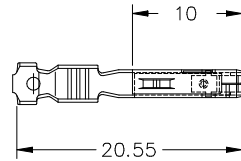
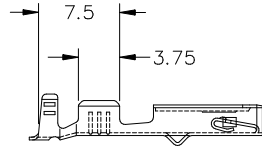


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Drawing



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| Rev. Nr. | Concept | Date | Created/Revised | Approved |
|----------|--|------------|-----------------------------|------------------------------|
| A1 | Datasheet generated automatically [A1] | 2022-03-18 | E. Roura (Laboratory Dept.) | O. Roura (Engineering Dept.) |

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