

## 5231.\*\*

### 6.3 (.250) TYPE SERIES · MALE-FEMALE TERMINALS



**Specification** Low insertion

**For male (mm)** 6,3x0,8

**Wire size mm<sup>2</sup> (AWG)** 0,5-1 (20-18)

**Ø Insulation (mm)** 1,8-3,3

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)
5231.00	Brass	Natural	110
5231.01	Brass	Pre-tin-plated	120
5231.30	Bronze	Natural	120
5231.31	Bronze	Pre-tin-plated	130
5231.24	Steel	Nickel-plated	300

**Material thickness (mm)** 0,4

**Max. rated current**

Wire section	5231.00 / 01 / 30 / 31 / 24
0.50 mm <sup>2</sup>	8A
0.75 mm <sup>2</sup>	10A
1.00 mm <sup>2</sup>	12A


**Insertion / Withdrawal forces**

	5231.00 / 30	5231.01 / 31 / 24
1st Insertion (max)	35N	35N
1st Withdrawal (max)	60N	60N
1st Withdrawal (min)	27N	22N
6th Withdrawal (min)	22N	18N

**Application tool** MN5230

**Wire strip length** 5.0 (±0.5) mm

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)		
0.50 mm <sup>2</sup>	1.35 (±0.03)	2.35 (±0.03)	3.52 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.40 (±0.05)	2.36 (±0.05)	3.52 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.45 (±0.05)	2.37 (±0.05)	3.54 (±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** 2000

**Approvals**

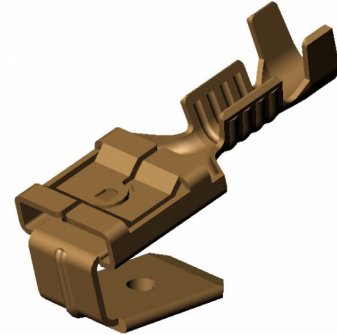
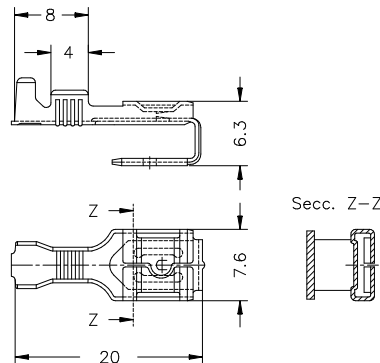


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#### Drawing



#### Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update Insertion/Withdrawal table	2023-02-13	D. Yabar (Engineering Dept.)	E. Roura (Laboratory Dept.)
A2	Change company name and logo	2021-10-21	D. Martinez (laboratory dept.)	M. Codina (engineering dept.)
A1	Datasheet generated automatically [A1]	2020-03-27	D. Martinez (laboratory dept.)	M. Codina (engineering dept.)

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