

## 4120F\*\*

### RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR



**Specification** RAST 5 CRIMP CONNECT

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

**Wire size mm<sup>2</sup> (AWG)** 0,2-0,6 (24-20)

**Ø Insulation (mm)** 1,4-2,1

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4120F00	Brass	Natural	110	0.65
4120F01	Brass	Pre-tin-plated	120	0.50
4120F02	Brass	Tin plated	120	0.55
4120F24	Steel	Nickel-plated	300	1.50
4120F30	Bronze	Natural	120	(T.B.D.)
4120F31	Bronze	Pre-tin-plated	130	(T.B.D.)
4120F32	Bronze	Tin plated	130	(T.B.D.)

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

**Max. rated current**

Wire section	4120F00 / 01 / 02 / 24 / 30 / 31 / 32
0.20 mm <sup>2</sup>	2A
0.25 mm <sup>2</sup>	2A
0.35 mm <sup>2</sup>	6A
0.50 mm <sup>2</sup>	8A
0.60 mm <sup>2</sup>	8A

**Insertion / Withdrawal forces**

	4120F00 / 24 / 30	4120F01 / 02 / 31 / 32
1st Insertion (max)	30N <sup>1</sup>	30N <sup>1</sup>
1st Withdrawal (max)	60N <sup>1</sup>	60N <sup>1</sup>
1st Withdrawal (min)	27N <sup>1</sup>	22N <sup>1</sup>
6th Withdrawal (min)	22N <sup>1</sup>	18N <sup>1</sup>

<sup>1</sup> Valid for Natural Brass Tab

**Application tool** MN4120F

**Wire strip length** 5.5 (±0.5) mm

**Crimping parameters & pull out force**

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.20 mm <sup>2</sup>	1.20 (±0.03)	2.04 (±0.03)	3.04 (±0.10)	28N @ 60s
0.35 mm <sup>2</sup>	1.25 (±0.03)	2.06 (±0.03)	3.05 (±0.10)	40N @ 60s
0.50 mm <sup>2</sup>	1.30 (±0.03)	2.06 (±0.03)	3.06 (±0.10)	56N @ 60s
0.60 mm <sup>2</sup>	1.35 (±0.03)	2.07 (±0.03)	3.08 (±0.10)	68N @ 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** 8000

**Compatible connectors** P8412\*\*, P8413\*\*, P8414\*\*, P8415\*\*, R5315\*\*-K, R5412\*\*-K, R5413\*\*-K, R5414\*\*-K, R5415\*\*-K, R5416\*\*-K, R5417\*\*-K

## 4120F\*\*

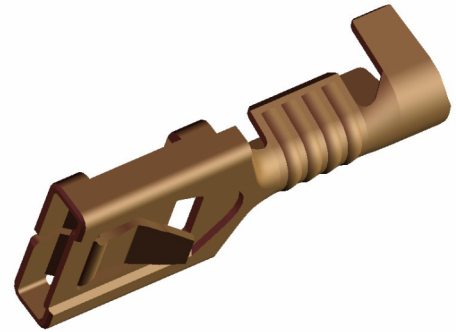
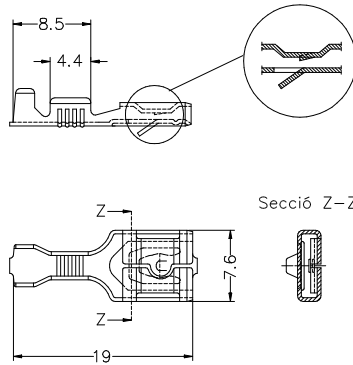
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#### Approvals



#### Drawing



(T.B.D.): To be determined

#### Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Insertion and withdrawal forces - Update	2022-02-14	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)
A2	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-06-04	Laboratory Dept.	E. Roura

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