

4120E**

RAST 5 TERMINALS AND CONNECTORS · RECEPTACLES FOR CONNECTOR



Specification RAST 5 CRIMP CONNECT

For male (mm) 6,3x0,8

Wire size mm² (AWG) 0,5-1,5 (20-16)

Ø Insulation (mm) 2-3,3

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)	Contact Resist (mΩ)
4120E00	Brass	Natural	110	0.65
4120E01	Brass	Pre-tin-plated	120	0.50
4120E02	Brass	Tin plated	120	0.55
4120E24	Steel	Nickel-plated	300	1.50
4120E30	Bronze	Natural	120	(T.B.D.)
4120E31	Bronze	Pre-tin-plated	130	(T.B.D.)
4120E32	Bronze	Tin plated	130	(T.B.D.)
4120E70	German Silver	Natural	210	2.00

Material thickness (mm) 0,4

Max. rated current

Wire section	4120E00 / 01 / 02 / 24 / 30 / 31 / 32 / 70
0.50 mm ²	8A
0.75 mm ²	10A
1.00 mm ²	12A
1.50 mm ²	16A

Insertion / Withdrawal forces

	4120E00 / 30 / 70	4120E01 / 02 / 24 / 31 / 32
1st Insertion (max)	30N ¹	30N ¹
1st Withdrawal (max)	60N ¹	60N ¹
1st Withdrawal (min)	27N ¹	22N ¹
6th Withdrawal (min)	22N ¹	18N ¹

¹ Valid for Natural Brass Tab

Application tool MN4120E

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)	
0.50 mm ²	1.40 (±0.03)	2.65 (±0.03)	2.66 (±0.10)	56N @ 60s
0.75 mm ²	1.50 (±0.05)	2.66 (±0.05)	2.67 (±0.10)	84N @ 60s
1.00 mm ²	1.60 (±0.05)	2.67 (±0.05)	2.68 (±0.10)	108N @ 60s
1.50 mm ²	1.70 (±0.05)	2.69 (±0.05)	2.68 (±0.10)	150N @ 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

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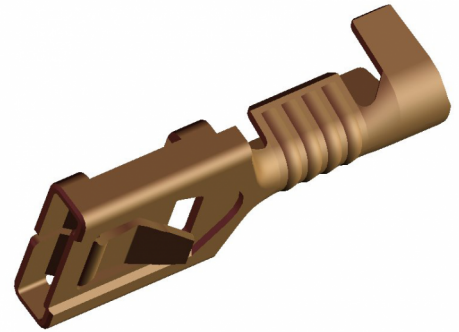
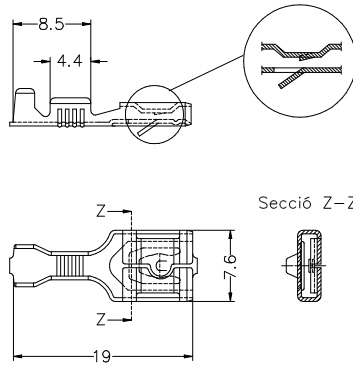
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Approvals



Drawing



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

Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A4	Insertion and withdrawal forces - Update	2022-02-14	E. Roura (Laboratory Dept.)	O. Roura (Engineering Dept.)
A3	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura
A2	Update crimp specifications	2019-09-30	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2019-06-04	Laboratory Dept.	E. Roura

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