

7545.** UP-FIT SERIES - 4.20 MM UP-FIT CONNECTIONS



Specification 4.20 mm UP-FIT male terminals

Description Male terminals

Wire size mm² (AWG) 0,08-0,32 (22-28)

Ø Insulation (mm) 1-1,8

Counterpart 8545.**; 8546.**; 8547.**

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
7545.01	Brass	Pre-tin-plated	120
7545.31	Bronze	Pre-tin-plated	130

Material thickness (mm) 0,2

Insertion / Withdrawal forces



	7545.01 / 31
1st Insertion (max)	5N ¹
1st Withdrawal (min)	1N ¹

¹ Valid for UP-FIT Series

Application tool MN7545

Wire strip length 3.0 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator 	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
22 AWG	0.84	1.26	1.65	36N @ 60s
24 AWG	0.80	1.25	1.65	22,3N @ 60s
26 AWG	0.75	1.26	1.65	13,4N @ 60s
28 AWG	0.70	1.23	1.65	(T.B.D.)

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 9000

Compatible connectors 242F12**, 242F22**, 242F23**, 242F24**, 242F25**, 242F26**, 242F28**, 242FP12**, 242FP22**, 242FP23**, 242FP24**, 242FP25**, 242FP26**, 242FP28**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
7545.01 ¹	UL	UL 1977	E223221	AWG 28-22 / MN8545 - MN7545
7545.31 ¹	UL	UL 1977	E223221	AWG 28-22 / MN8545 - MN7545

¹ Cat. No. meets with the standard UL1977 as a component of UP-FIT full connection system.

Rated current and voltage:

- 2 and 4 poles - AWG 28 - 2A/600V (USR, CND)
- 2 and 4 poles - AWG 26 - 3A/600V (USR, CND)
- 2 and 4 poles - AWG 24 - 3A/600V (USR, CND)
- 2 and 4 poles - AWG 22 - 4A/600V (USR, CND)
- 6 poles - AWG 28 - 2A/600V (USR, CND)
- 6 poles - AWG 26 - 2A/600V (USR, CND)
- 6 poles - AWG 24 - 3A/600V (USR, CND)
- 6 poles - AWG 22 - 3A/600V (USR, CND)
- 8, 10, 12 and 16 poles - AWG 28 - 1A/600V (USR, CND)
- 8, 10, 12 and 16 poles - AWG 26 - 1A/600V (USR, CND)
- 8, 10, 12 and 16 poles - AWG 24 - 2A/600V (USR, CND)
- 8, 10, 12 and 16 poles - AWG 22 - 3A/600V (USR, CND)

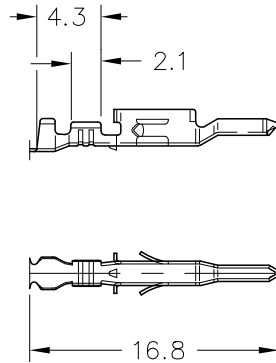
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Approvals



Drawing



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

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura (Laboratory Dept.)
A2	Update insulation crimp specifications	2021-06-08	Laboratory Dept.	E. Roura (Laboratory Dept.)
A1	Datasheet generated automatically [A1]	2018-08-03	Laboratory Dept.	E. Roura

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