



8547.**
UP-FIT SERIES · 4.20 MM UP-FIT CONNECTIONS



Specification 4.20 mm UP-FIT Female Terminals

Wire size mm² (AWG) 1-1,3 (16)

Ø Insulation (mm) 2,75 Max

Counterpart 7545.**; 7546.**; 7547.**

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
8547.01	Brass	Pre-tin-plated	120
8547.31	Bronze	Pre-tin-plated	130

Material thickness (mm) 0,2


Insertion / Withdrawal forces

	8547.01 / 31
1st Insertion (max)	5N ¹
1st Withdrawal (min)	1N ¹

¹ Valid for UP-FIT Series

Application tool MN7547

Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
1.00 mm ²	1.10 (±0.05)	1.93 (±0.05)	max, 2.75mm	89N @ 60s
16 AWG	1.25 (±0.05)	1.95 (±0.05)	max, 2.75mm	89N @ 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 5000

Compatible connectors 242M12**, 242M22**, 242M23**, 242M24**, 242M25**, 242M26**, 242M28**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
8547.01 ¹	UL	UL 1977	E223221	AWG 16 / MN8547 - MN7547
8547.31 ¹	UL	UL 1977	E223221	AWG 16 / MN8547 - MN7547

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

Rated current and voltage:
2 poles - AWG 16 - 8A/600V (USR, CND)
4 poles - AWG 16 - 7A/600V (USR, CND)
6, 8 and 10 poles - AWG 16 - 6A/600V (USR, CND)
12 and 16 poles - AWG 16 - 5A/600V (USR, CND)

Approvals



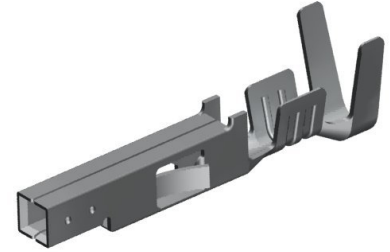
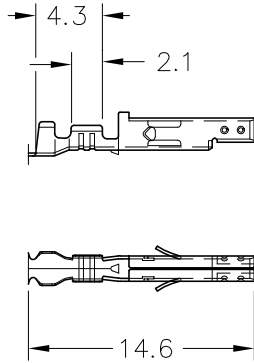


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Drawing



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Rev. Nr.	Concept	Date	Created/Revised	Approved
A3	Update pull out forces	2019-02-06	Laboratory Dept.	E. Roura
A2	Update pull out force	2019-02-04	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-08-03	Laboratory Dept.	E. Roura