

## 7547.\*\* UP-FIT SERIES · 4.20 MM UP-FIT CONNECTIONS



**Specification** 4.20 mm UP-FIT male terminals

**Wire size mm<sup>2</sup> (AWG)** 1,3 (16)

**Ø Insulation (mm)** 2,75 Max

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

**Materials, temperature and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)
7547.01	Brass	Pre-tin-plated	120
7547.31	Bronze	Pre-tin-plated	130

**Material thickness (mm)** 0,2



**Insertion / Withdrawal forces**

	7547.01 / 31
1st Insertion (max)	5N <sup>1</sup>
1st Withdrawal (min)	1N <sup>1</sup>

<sup>1</sup> 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 <sup>2</sup>	1.10 (±0.05)	1.93 (±0.05)	max, 3.00mm	89N @ 60s
16 AWG	1.25 (±0.05)	1.95 (±0.05)	max, 3.00mm	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** 242F12\*\*, 242F22\*\*, 242F23\*\*, 242F24\*\*, 242F25\*\*, 242F26\*\*, 242F28\*\*, 242FP12\*\*, 242FP22\*\*, 242FP23\*\*, 242FP24\*\*, 242FP25\*\*, 242FP26\*\*, 242FP28\*\*

**Approved regulations**

Part nr.	Approval	Standard	File	Certified framework
7547.01 <sup>1</sup>	UL	UL 1977	E223221	AWG 16 / MN8547 - MN7547
7547.31 <sup>1</sup>	UL	UL 1977	E223221	AWG 16 / MN8547 - MN7547

<sup>1</sup> 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)

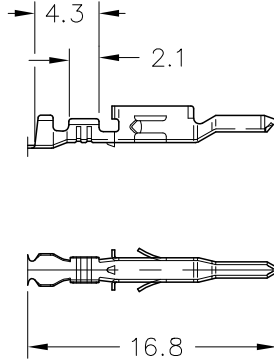
**Approvals**



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Drawing



### Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A6	Change company name and logo	2021-10-21	Laboratory Dept.	E. Roura (Laboratory Dept.)
A5	Update insulation crimp specifications	2021-06-08	Laboratory Dept.	E. Roura (Laboratory Dept.)
A4	Update crimping insulation shape	2019-12-03	E.Roura (Laboratory Dept.)	M.Codina (Engineering Dept.)
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