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. (ºC)
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 mm²	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 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

RoHS

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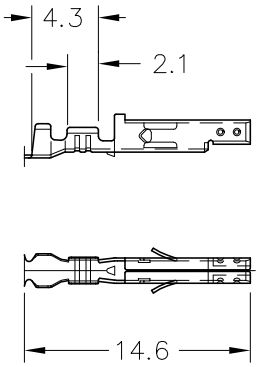
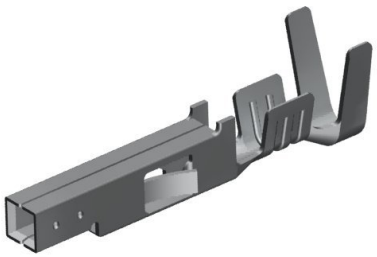
Drawing





Disclaimer

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publicised only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us

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

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