8520.**
STANDARD UP-LOK · RECEPTACLES FOR CONNECTOR

Specification Receptacles

Ø (mm) 2,12

Wire size mm² (AWG) 0,25-0,8 (24-18)

Ø Insulation (mm) 1-2,5

Counterpart 7520.**, 7522.**, 7524.**, 7526.**

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)
8520.00	Brass	Natural	110
8520.01	Brass	Pre-tin-plated	120
8520.30	Bronze	Natural	120
8520.31	Bronze	Pre-tin-plated	130

Material thickness (mm) 0,3

Insertion / Withdrawal forces

	8520.00 / 01 / 30 / 31
1st Insertion (max, split pin)	12N[1]
1st Insertion (max, solid pin)	17N[1]
1st Withdrawal (min, solid pin)	5N[1]
1st Withdrawal (min, split pin)	4N[1]

[1] Valid for 7520.xx/7524.xx

Application tool MN7520

Wire strip length 4.2 (±0.5) mm

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.30 mm²	1.15 (±0.03)	2.00 (±0.03)	2.59 (±0.10)	28N @ 60s
0.50 mm²	1.20 (±0.03)	2.01 (±0.03)	2.60 (±0.10)	56N @ 60s
0.75 mm²	1.30 (±0.05)	2.01 (±0.05)	2.65 (±0.10)	84N @ 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 6500

Compatible connectors 22112**, 22113**, 22114**, 22116**, 22119**, 22132**, 22135**, 22141**, 22142**, 22143**, 22144**, 22145**, 22146**, 22147**, 22149**, 22151**, 22152**, 22153**, 22154**, 22155**, 22156**, 22157**, 22159**, 22162**, 22165**, 22172**, 22175**

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
8520.00[1]	UL	UL 1977	E223221	AWG 24-18 (MV-16 Stranded Cu) / MN8520
8520.01[1]	UL	UL 1977	E223221	AWG 24-18 (MV-16 Stranded Cu) / MN8520
8520.30[1]	UL	UL 1977	E223221	AWG 24-18 (MV-16 Stranded Cu) / MN8520
8520.31[1]	UL	UL 1977	E223221	AWG 24-18 (MV-16 Stranded Cu) / MN8520

[1] Cat. No. meets with the standard UL1977 as a component of UP-LOK full connection system.
Rated current and voltage:
7520.01/8520.01 - AWG 18 - 6A/400V (USR) - 6A/400V (CNR)
7520.01/8520.01 - AWG 24 - 5A/400V (USR) - 5A/400V (CNR)
7524.01/8520.01 - AWG 18 - 6A/400V (USR) - 6A/400V (CNR)
7524.01/8520.01 - AWG 24 - 6A/400V (USR) - 4A/400V (CNR)

8520.**

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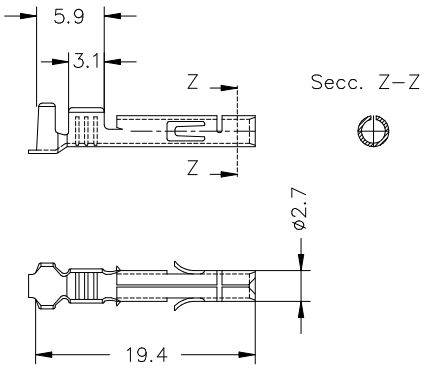
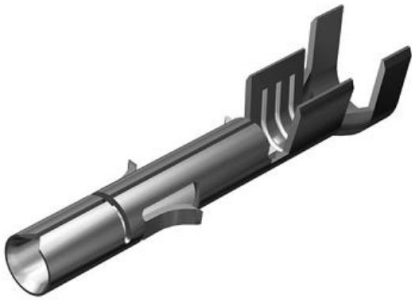
Approvals

Drawing





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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Update UL regulation	2019-02-20	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-08-10	Laboraroty Dept.	E. Roura

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