

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series	2M
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	6.50 - 13.00 mm
Status	active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EG*: Fixed receptacle, nut fixing
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight	8.62 g

### Performance

Configuration	2M.308_6 : 6 (0.7 mm) + 2 (1.3 mm) Low Voltage
Insulator	R: PEEK (mixed multipole)
Rated Current	10 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Test voltage (kV rms) Contact-contact: 1.95

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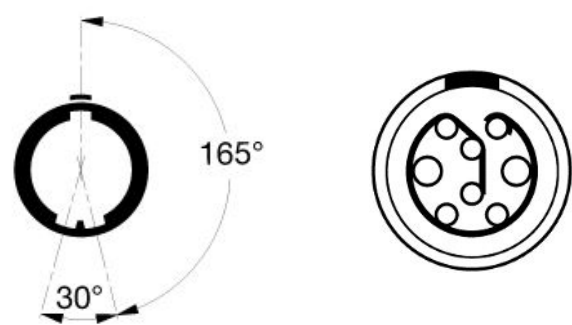
Test voltage (kV rms) Contact-shell: 1.1

Others

- Endurance (Shell): 3000 mating cycles
- Temp (min / max): -20°C / +200°C
- Humidity (max): 21 days at 95%
- Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)
- Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]
- Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
- Shock Resistance: 300 g [ 3 ms]
- Lighting strike EIA 364-75: 10K amps - 6 times
- Thermal shock: 5 cycles: -65°C to +150°C
- EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)
- Salt Spray Corrosion: max. 48 hr

DRAWINGS

Draws



Dimensions

	C	D	E	Ls	Ls	P	S1	S2	e
mm.	17.2	6.8	4.5	18.3	18.3	5.3	12.5	17	M14x1.0
in.	0,68	0,27	0,18	0,72	0,72	0,21	0,49	0,67	

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 22-24-26 16-18-20/6-5-5 8-7-7
Positionner:	<a href="#">DCE.91.070.3MVM</a>
Positionner 2:	<a href="#">DCE.91.130.5MVM</a>
Extractor:	<a href="#">DCF.93.131.4LT</a>
Extractor 2:	<a href="#">DCF.93.070.4LT</a>
Replacement contact:	EGN.0M.655.ZZM / EGN.0M.665.ZZM

## Cables

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