

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	2M
Termination type	Female crimp
IP rating	68
AWG wire size	20.00 - 16.00
Cable Ø	6.50 - 13.00 mm
Status	active
Matching parts	FMN.2M.304.XLCT

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PF*: Fixed receptacle with square flange, with mold stop
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	10.12 g

Performance

Configuration	2M.304 : 4 Low Voltage
Insulator	L: PEEK
Rated Current	15.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.6 mOhm
Test voltage (kV rms) Contact-contact: 1.55

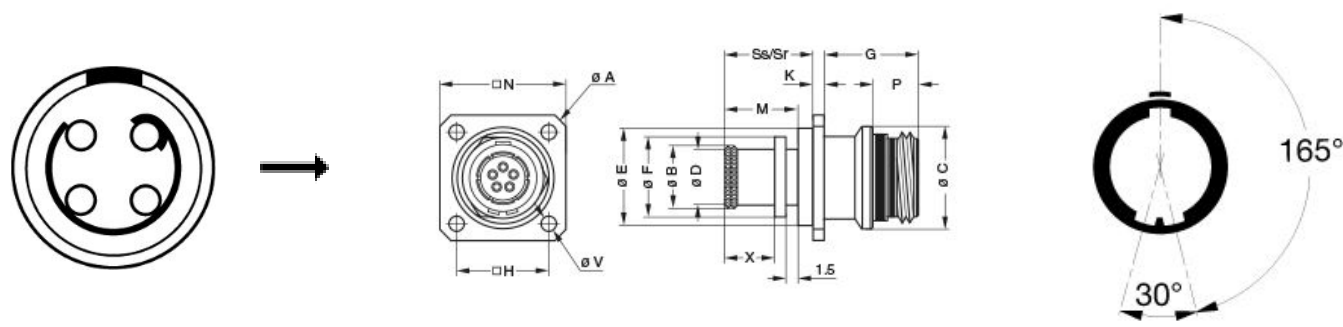
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Test voltage (kV rms) Contact-shell: 1.55

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



Dimensions

	A	B	C	D	E	F	G	H	K	N	Sr	Ss	V
mm.	26.9	14	17.2	13	15.5	15.5	12.8	15.1	1.5	20.6	11.7	11.7	3.3
in.	1,06	0,55	0,68	0,51	0,61	0,61	0,50	0,59	0,06	0,81	0,46	0,46	0,13

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Tools

- Crimp Tool:

[DPC.91.701.V](#)
- Crimp settings:

AWG/Selector = 16-18-20/8-7-7
- Positionner:

[DCE.91.130.5MVM](#)
- Extractor:

[DCF.93.131.4LT](#)
- Replacement contact:

EGN.0M.665.ZZM

Cables

240750	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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