

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	MM
Termination type	Male crimp
IP rating	68
AWG wire size	32.00 - 28.00
Cable Ø	2.80 - 5.60 mm
Status	active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and 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	4.46 g

Performance

Configuration	MM.303 : 3 Low Voltage
Insulator	L: PEEK
Rated Current	3 Amps

Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Test voltage (kV rms) Contact-contact: 0.95

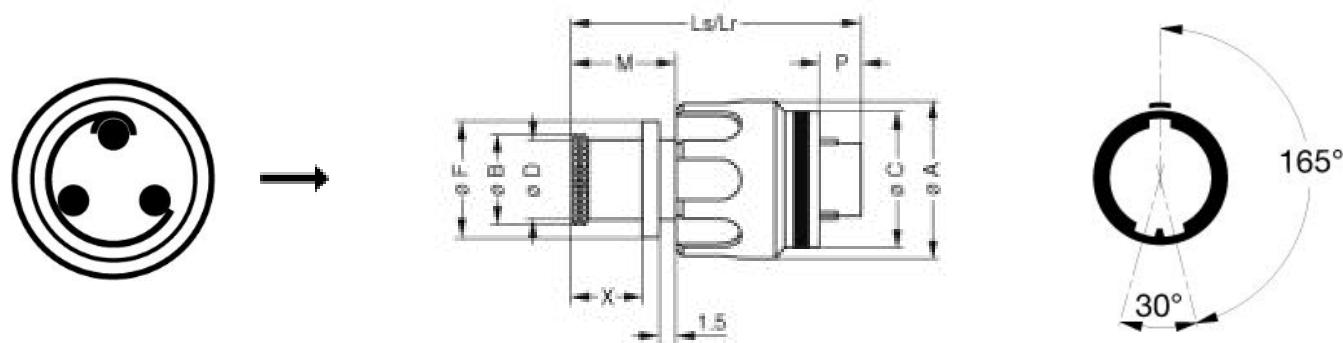
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Test voltage (kV rms) Contact-shell: 0.90

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	F	Lr	Ls	M	P	X
mm.	12	6.4	10.7	5.6	7.8	24.3	24.3	8.8	5.5	5.8
in.	0,47	0,25	0,42	0,22	0,31	0,96	0,96	0,35	0,22	0,23

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	DCE.91.050.0VC
Extractor:	DCF.91.050.2LT
Replacement contact:	FGG.00.554.ZZC

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