

SUMMARY

Wires

Low voltage	30
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Image is for illustrative purpose only

Series	3M
Termination type	Male crimp
IP rating	68
AWG wire size	26.00 - 22.00
Cable Ø	7.50 - 15.00 mm
Status	active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and MIL spec backend
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Weight	16.33 g

Performance

Configuration	3M.330 : 30 Low Voltage
Insulator	L: PEEK
Rated Current	3.5 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	22 N
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Min. Conductor:	0.14 mm ² (AWG 26)
Max. Conductor:	0.34 mm ² (AWG 22)
R (max):	6.1 mOhm
Test voltage (kV rms)	Contact-contact: 1.10

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Test voltage (kV rms) Contact-shell: 1.00

Others

Endurance (Shell): 3000 mating cycles

Temp (min / max): -55°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]

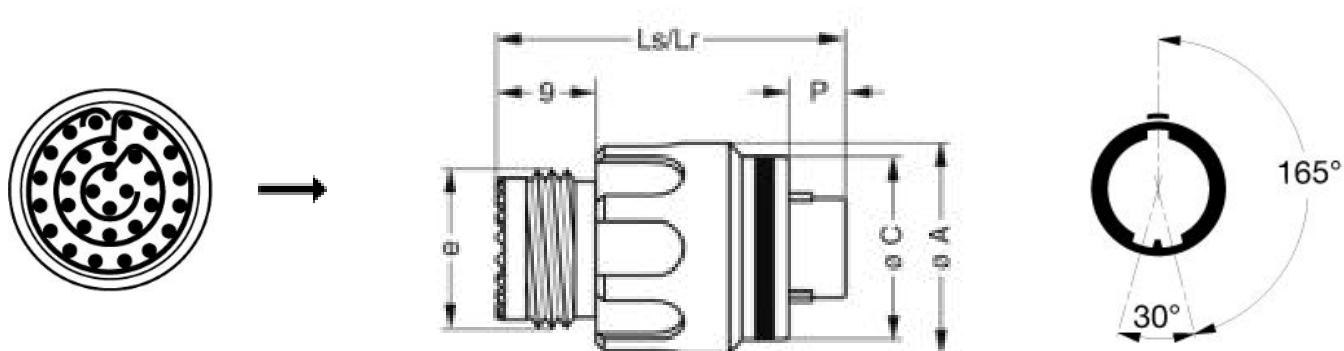
Lighting strike EIA 364-75: 10K amps - 6 times

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: >1000 hr

DRAWINGS



Dimensions

	A	C	Lr	Ls	P	e
mm.	20.9	19.2	26.4	26.4	3.9	M18x1.0
in.	0,82	0,76	1,04	1,04	0,15	

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	<u>DCE.91.070.5MVC</u>
Extractor:	<u>DCF.93.070.4LT</u>
Replacement contact:	FGN.0M.555.ZZC

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