

SUMMARY

Wires

Low voltage	2
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Image is for illustrative purpose only

Series	1M
Termination type	Female print PCB
IP rating	50
AWG wire size	20.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	FMN.1M.302.XLC

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- [PCB Altium Pattern](#)
- [PCB KiCad Pattern](#)
- [Catalog](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model	EC*: Fixed receptacle with two nuts, for printed circuit
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	56.69 g

Performance

Configuration	1M.302 : 2 Low Voltage
Insulator	L: PEEK
Rated Current	19.0 Amps

Specifications

Contact Type: Print (straight)
Contact Dia.: 1.3 mm (0.051in)
R (max): 3.6 mOhm

Others

Endurance (Shell): 3000 mating cycles
Temp (min / max): -20°C / +200°C

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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]

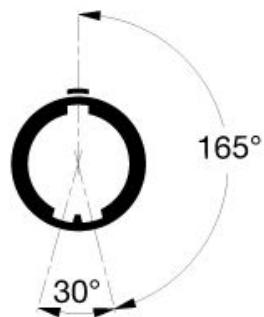
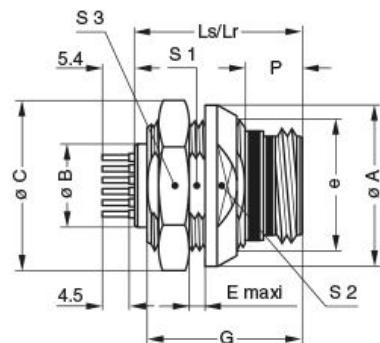
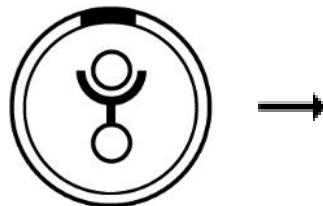
Lightning strike EIA 364-75: 10K amps - 6 times

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	E	G	Lr	Ls	P	S1	S2	S3	e
mm.	18	5.95	19.2	5	16.8	18.3	18.3	5.3	12.5	16	17	M14x1.00
in.	0,71	0,23	0,76	0,20	0,66	0,72	0,72	0,21	0,49	0,63	0,67	

RECOMMENDED BY LEMO

Tools

Spanner wrench:

[DCM.65.000.4PA](#)

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