

SUMMARY

Wires

High power 1



Image is for illustrative purpose only

Series	5M
Termination type	Male crimp High Power
IP rating	68
AWG wire size	1.00 - 1.00
Cable Ø	0.00 - 0.00 mm
Status	active

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[Catalog](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle with arctic grip and mold stop
Keying	5 keys (alpha=100, beta=125, gamma=40, delta=20, plug: female contacts, receptacle: male contacts)
Housing Material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight	22.76 g

Performance

Configuration	5M.H18 : 1 High Power (8 mm)
Insulator	L: PEEK
Rated Current	228 Amps

Specifications

Max. rated current at 25°C ambient temperature, see catalog for derating information : 430 A □
Contact Type: Crimp
Test voltage contact-shell : 4 kV rms

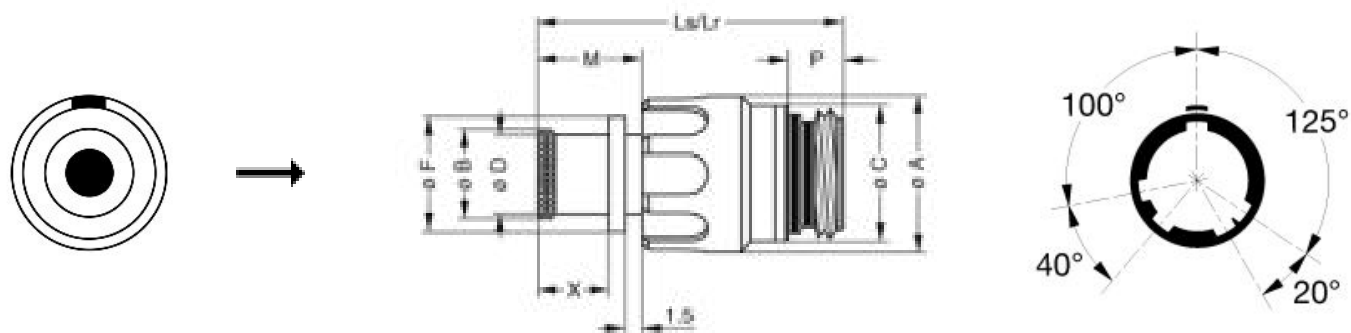
Others

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]
 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.	34.9	29.7	33.5	28.5	31.4	31.2	31.2	10.6	7.9	7.6
in.	1,37	1,17	1,32	1,12	1,24	1,23	1,23	0,42	0,31	0,30

RECOMMENDED BY LEMO

Tools

Extractor: [DCC.91.85H.PLC](#)

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