

## 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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## 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

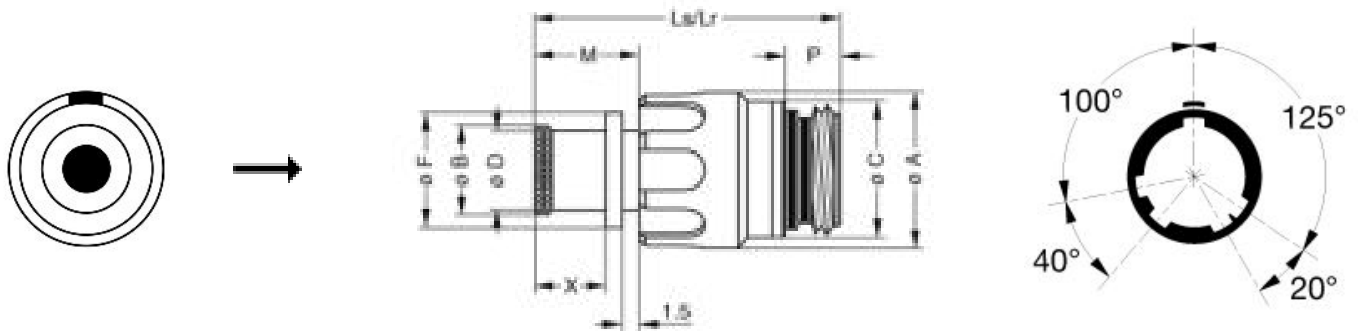
### Others

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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