PEW.LM.368.XLMM



Image for illustrative purpose only

Summary

Request a quote

Catalog

Number of contacts Low Voltage	68
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Ratchet
Jacket cable outside diameter [mm]	11.35 - 22.70 mm
Size	LM
Suggested matching part	FMW.LM.368.XLCM
Series	M - Rugged Ratchet coupling

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	LM.368 - 68 (0.7 mm) Low Voltage
Insulator	L: PEEK
Rated current	2.5 A
Test voltage (kV rms) Contact-contact	1.40
Test voltage (kV rms) Contact-shell	1.65
Contact retention	22 N
Contact Type	Crimp
Max. Conductor	0.34 mm^2 (AWG 22)
Min. Conductor	0.14 mm^2 (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	68
Wire Size/AWG	26 - 22
Gender	Standard

Form & Material

Shell style / Model id	PE - Fixed receptacle, nut fixing with MIL-DTL38999L shell thread
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	W: 5 keys (alpha=95, beta=115, gamma=35, delta=25, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	39.19 g

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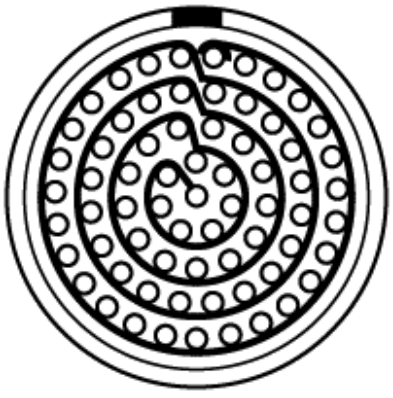
Environment

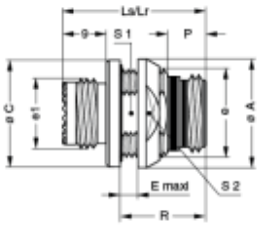
Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
Endurance	3000 mating cycles
Temperature range	-20°C / +200°C
EMI Shielding EIA 364-66A	>= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)
Gunfire vibration	25 Hz - 2000 Hz, 3 axis (Apache helicopter)
Humidity (max)	21 days at 95%
Lighting strike EIA 364-76	10K amps - 6 times
Shock Resistance	300 g [3 ms]
Thermal shock	5 cycles: -65°C to +150°C
Vibration-Random	37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
Vibration-Sine	30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]
Salt Spray Corrosion	max. 48 hr

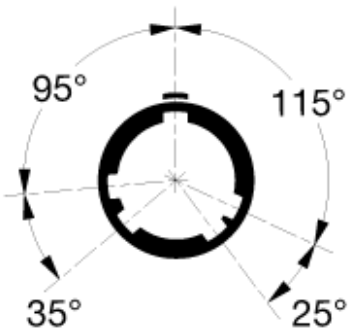
Cable fixation

Cable termination protection	For backshell MIL-DTL-38999M
Fixation type	MIL-DTL-38999M
Jacket cable outside diameter [mm]	11.35 - 22.70 mm

Drawings







Dimensions

	A	C	E	e	e1	Ls	Lr	R	S1	S2
mm.	33	31.8	4	M28x1.0	M25x1.0	28.2	30.1	16.9	26.5	29
in.	1.3	1.25	0.16			1.11	1.19	0.67	1.04	1.14

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pew-lm-368-xlmm.html
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Recommended By Lemo

Accessories	
Replacement contact	EGW.TM.655.ZZM
Compatible cap	BGK.LM.200.XAZ
Tools	
Positionner	DCE.91.07T.5MVM
Extraction tool	DCF.93.070.4LT
Crimp tool	DPC.91.701.V
Spanner wrench	DCM.65.290.AZ

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