PMN.1M.303.XLM





Image for illustrative purpose only

Summary

Request a quote

Catalog	
Number of contracts Law Valley	2
Number of contacts Low Voltage	3
Wire Size/AWG	20 - 16
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Ratchet
Jacket cable outside diameter [mm]	4.85 - 9.70 mm
Size	1M
Suggested matching part	FMN.1M.303.XLC
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

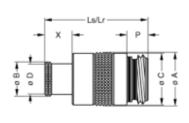
Number of contacts Low Voltage	3			
Contact Termination Low voltage	Crimp			
R (max)	3.6 mOhm			
Insert configuration value	1M.303 - 3 Low Voltage			
Insulator	L: PEEK			
Rated current	15.5 A			
Contact retention	40 N			
Max. Conductor	1 mm^2 (AWG 18)			
Min. Conductor	0.5 mm^2 (AWG 20)			
Bucket Dia.	1.4 mm (0.055in)			
Contact Dia.	1.3 mm (0.051in)			
Wire Size/AWG	20 - 16			
Gender	Standard			
orm & Material				
Shell style / Model id	PM - Free receptacle with knurled grip			
Socket / Receptacle	Free			
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass			
Locking system	Ratchet			
Keying	N: 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)			
Colour	Grey			
Weight	5.32 g			

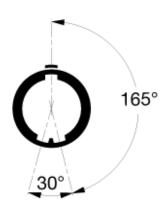
Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV IP68		
Environmental sealing (IP rating)			
Endurance	3000 mating cycles		
Temperature range	-20°C / +200°C (max. temperature valid for short periods of use.)		
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	Heatshrink		
Fixation type	Heatshrink		
Jacket cable outside diameter [mm]	4.85 - 9.70 mm		

Drawings







Dimensions

	A	В	С	D	Ls	Lr	Р	X
mm.	14.6	10.5	14.2	9.7	25.6	25.6	5.3	6.7
in.	0.57	0.41	0.56	0.38	1.01	1.01	0.21	0.26

Recommended By Lemo

Accessories

Replacement contact	EGN.0M.665.ZZM	
Compatible cap	BMF.1M.200.XAZ	
Tools		
Positionner	DCE.91.130.5MVM	
Extraction tool	DCF.93.131.4LT	

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T18.055PGZE		grey	€
CMN.03.T18.055PNZE			3
CMN.03.T18.055QGZE	TPR (medical)	Grey	⇒
CMN.03.T20.049PGZE		grey	⇒ ——€
CMN.03.T20.049PNZE			3
230500	PVC	Grey	>======
230750	PVC	Grey	>=======
3220	PVC	Black	
330150	PVC	Grey	