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EGN.1M.302.XLM

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 1M

Termination type Female crimp

IP rating 68

AWG wire size 20.00 - 16.00 Cable Ø 4.85 - 9.70 mm

Status active

Matching parts FMN.1M.302.XLC

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Catalog

TECHNICAL DETAILS

Mechanics

Shell Style/Model EG*: Fixed receptacle, nut fixing

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 4.52 g

Performance

Configuration 1M.302: 2 Low Voltage

Insulator L: PEEK
Rated Current 19.0 Amps

Specifications

Contact Type: Crimp Contact Retention: 40 N

Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm^2 (AWG 20)
Max. Conductor: 1 mm^2 (AWG 18)

R (max): 3.6 mOhm

Others

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

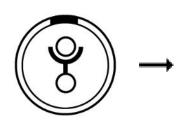
Shock Resistance: 300 g [3 ms]

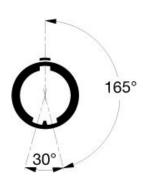
Lighting strike EIA 364-75: 10K amps - 6 times Thermal shock: 5 cycles: -65°C to +150°C

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

	С	D	E	Ls	Ls	Р	S1	S2	е
mm.	14.2	6.8	4.5	18.3	18.3	5.3	9.5	13	M11x1.0
in.	0,56	0,27	0,18	0,72	0,72	0,21	0,37	0,51	

RECOMMENDED BY LEMO

Tools

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 16-18-20/8-7-7

Positionner: DCE.91.130.5MVM
Extractor: DCF.93.131.4LT
Replacement contact: EGN.0M.665.ZZM

Cables

CMN.02.T18.064UNCU			
CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		Grey	
CMN.02.T28.030PNCE	PVC	Black	~
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	>
120240	PVC	Black	
120250	PVC	Grey	~
120500	PVC	Grey	
120501	PVC	Grey	~
120751	PVC	Grey	
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	-
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	
20550	PUR	Black	
20560	PUR	White	*
2080	PVC	Grey	
220151	PVC	Grey	

220750	PVC	Grey	-
2221	PVC	Black	
2260	PTFE	White	= =====================================

2280	PVC	Black	
320150	PVC	Grey	-
4082	PVC	Grey	
CCX.50.RG1.74U30B	TFE	White	
CMB.02.210.635	PUR	Black	