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EDN.2M.312.XLM

SUMMARY

Wires

Low voltage	**12**



Image is for illustrative purpose only

Series	2M
Termination type	Female crimp
IP rating	68
AWG wire size	26.00 - 22.00
Cable Ø	6.50 - 13.00 mm
Status	active
Matching parts	FMN.2M.312.XLC

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	ED*: Fixed receptacle with square flange
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	8.61 g

Performance

Configuration	2M.312 : 12 Low Voltage
Insulator	L: PEEK
Rated Current	7 Amps

Specifications

Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm^2 (AWG 26)
Max. Conductor: 0.34 mm^2 (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.65

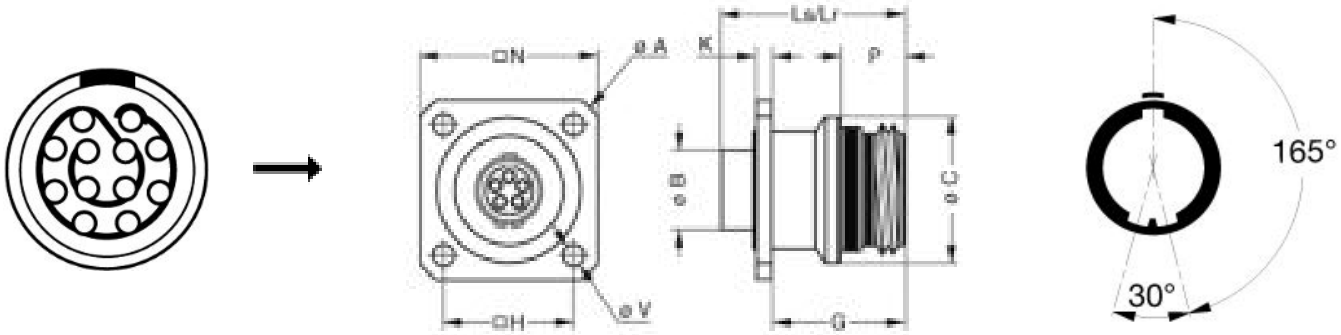
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Test voltage (kV rms) Contact-shell: 1.15

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

	A	B	C	G	H	K	Lr	Ls	N	P	SV
mm.	26.9	8.95	17.2	12.8	15.1	1.5	18.3	18.3	20.6	5.3	3.3
in.	1,06	0,35	0,68	0,50	0,59	0,06	0,72	0,72	0,81	0,21	0,13

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	DCE.91.070.3MVM
Extractor:	DCF.93.070.4LT
Replacement contact:	EGN.0M.655.ZZM

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