

SUMMARY



Image is for illustrative purpose only

Wires

Low voltage 55

Series	LM
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	11.35 - 22.70 mm
Status	active
Matching parts	FMW.LM.355.XLC

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	ED*: Fixed receptacle with square flange
Keying	5 keys (alpha=95, beta=115, gamma=35, delta=25, 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	26.46 g

Performance

Configuration	LM.355 : 55 (0.9 mm) Low Voltage
Insulator	L: PEEK
Rated Current	3.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm

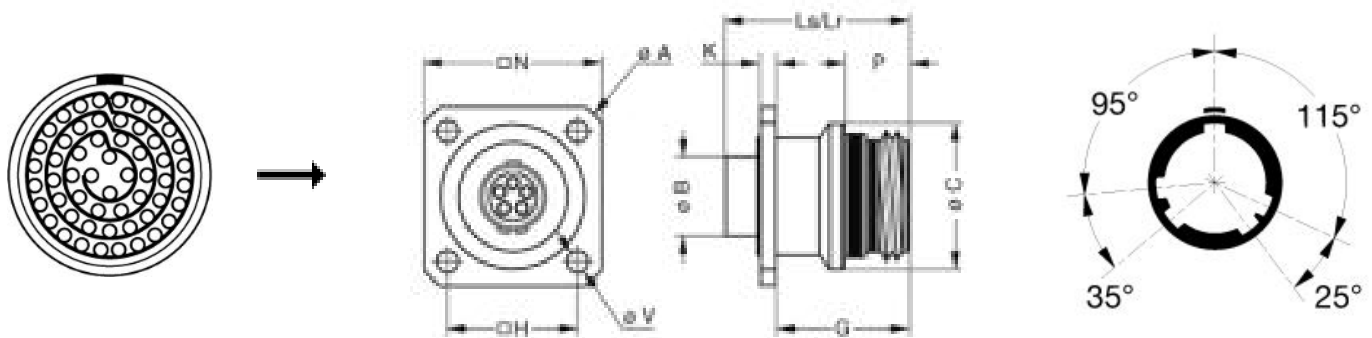
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Test voltage (kV rms) Contact-contact: 1.65
 Test voltage (kV rms) Contact-shell: 1.95

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.	38	17.95	28	14.5	23	2	21.9	20	28.5	7.9	3.3
in.	1,50	0,71	1,10	0,57	0,91	0,08	0,86	0,79	1,12	0,31	0,13

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Tools

Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 20-22-24/6-5-5
Positionner: [DCE.91.09T.5MVM](#)
Extractor: [DCF.93.090.4LT](#)
Replacement contact: EGW.TM.660.ZZM

Cables

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