

SUMMARY

Wires

Low voltage	48
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Image is for illustrative purpose only

Series	4M
Termination type	Female crimp
IP rating	68
AWG wire size	26.00 - 22.00
Cable Ø	9.75 - 19.50 mm
Status	active
Matching parts	FMW.4M.348.XLCT

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PE*: Fixed receptacle, nut fixing and mold stop
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	27.63 g

Performance

Configuration	4M.348 : 48 Low Voltage
Insulator	L: PEEK
Rated Current	3 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

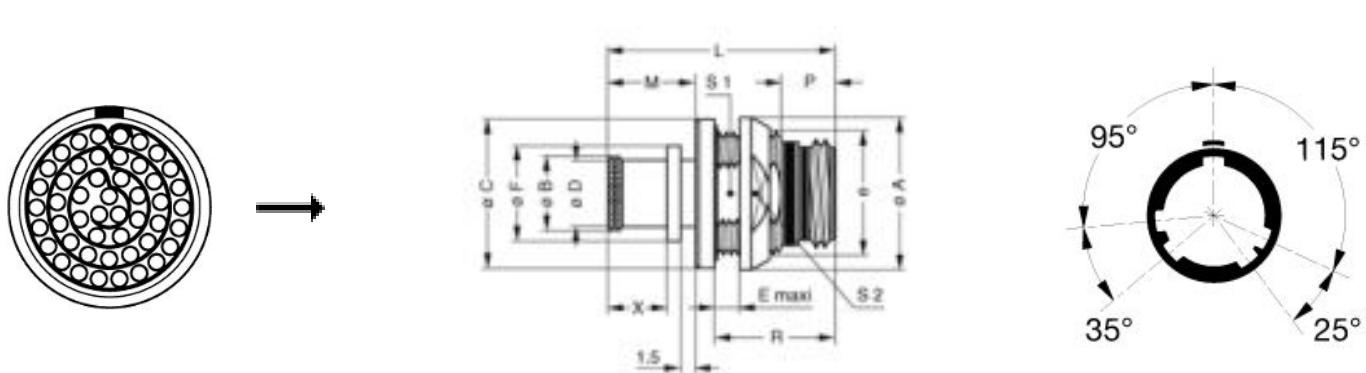
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Test voltage (kV rms) Contact-contact: 1.10
Test voltage (kV rms) Contact-shell: 1.35

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	D	E	Lr	Ls	M	P	R	S1	S2	e
mm.	29	20.7	27.8	19.5	4	30.1	29.5	10.6	7.9	16.9	22.5	25	M24x1.00
in.	1,14	0,81	1,09	0,77	0,16	1,19	1,16	0,42	0,31	0,67	0,89	0,98	

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Tools

Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	<u>DCE.91.07T.5MVM</u>
Extractor:	<u>DCF.93.070.4LT</u>
Replacement contact:	EGW.TM.655.ZZM
Spanner wrench:	<u>DCM.65.040.8PA</u>

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