

## SUMMARY

### # Wires

Low voltage 30



*Image is for illustrative purpose only*

Series	3M
Termination type	Female crimp
IP rating	50
AWG wire size	26.00 - 22.00
Cable Ø	7.50 - 15.00 mm
Status	active
Matching parts	<a href="#">FMN.3M.330.XLC</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EC*: Fixed receptacle with two nuts
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	14.28 g

### Performance

Configuration	3M.330 : 30 Low Voltage
Insulator	L: PEEK
Rated Current	3.5 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 <sup>2</sup> (AWG 26)
Max. Conductor: 0.34 mm <sup>2</sup> (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.10

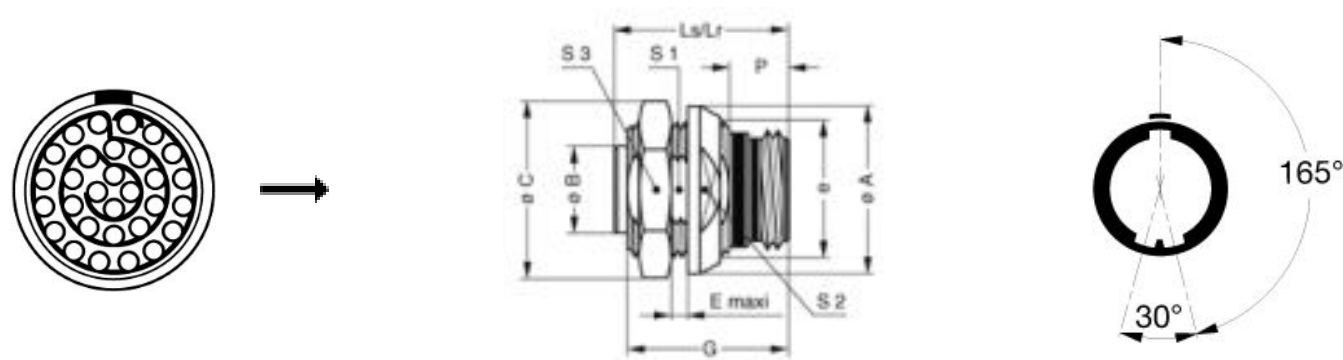
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Test voltage (kV rms) Contact-shell: 1.00

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	E	G	Lr	Ls	P	S1	S2	S3	e
mm.	23	10.95	25	4	16.8	18.3	18.3	5.3	17.5	20	22	M19x1.00
in.	0,91	0,43	0,98	0,16	0,66	0,72	0,72	0,21	0,69	0,79	0,87	

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	<a href="#">DCE.91.070.3MVM</a>
Extractor:	<a href="#">DCF.93.070.4LT</a>
Replacement contact:	EGN.0M.655.ZZM
Spanner wrench:	<a href="#">DCM.65.000.4PA</a>

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