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# EDN.0M.305.XLM

## **SUMMARY**

### # Wires

Low voltage 5



Image is for illustrative purpose only

Series 0M

**Termination type** Female crimp

IP rating 68

AWG wire size 26.00 - 22.00 Cable Ø 4.00 - 8.00 mm

**Status** active

Matching parts FMN.0M.305.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 5.24 g

### **Performance**

Configuration OM.305: 5 Low Voltage

Insulator L: PEEK
Rated Current 6.5 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^2 (AWG 26) Max. Conductor: 0.34 mm^2 (AWG 22)

R (max): 6.1 mOhm

Test voltage (kV rms) Contact-contact: 1.25

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Test voltage (kV rms) Contact-shell: 1

### **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]

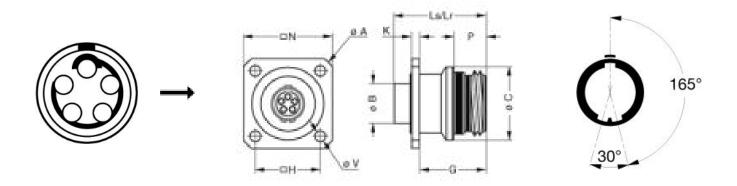
Shock Resistance: 300 g [ 3 ms]

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**

	А	В	С	G	Н	К	Lr	Ls	N	Р	SV
mm.	20.6	4.72	12.7	12.8	11	1.5	18.3	18.3	16	5.3	2.7
in.	0,81	0,19	0,50	0,50	0,43	0,06	0,72	0,72	0,63	0,21	0,11

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## **Tools**

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 22-24-26/6-5-5

Positionner: <a href="DCE.91.070.3MVM">DCE.91.070.3MVM</a>
Extractor: <a href="DCF.93.070.4LT">DCF.93.070.4LT</a>
Replacement contact: <a href="EGN.0M.655.ZZM">EGN.0M.655.ZZM</a>

## **Cables**

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