

## SUMMARY

### # Wires

Low	5
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	1F
Termination type	Male crimp
IP rating	67
Cable Ø	3.80 - 10.70 mm
Status	active
Alternative part	
Matching parts	<a href="#">EGN.1F.305.XLM</a>

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	
Weight	8.70 g

### Performance

Configuration	1F.305 : 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	9 Amps

### Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)

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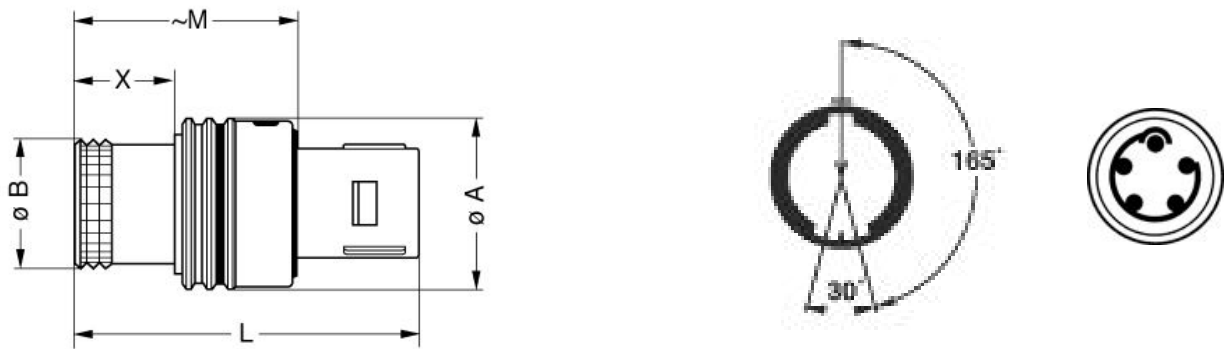
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

Others

Endurance (Shell): 1000 mating cycles  
Temp (min / max): -15°C / +200°C  
Humidity (max): <=95% [at 60 deg C / 140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Climatical Category: 15/200/21 (Aluminium shell)  
Salt Spray Corrosion: max. 48 hr  
IP Rating: 67

DRAWINGS

Draws



Dimensions

	A	B	L	M	X
mm.	14	10.7	27.8	17.9	8
in.	0.55	0.42	1.09	0.70	0.31

RECOMMENDED BY LEMO

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## Tools

Crimp Tool: DPC.91.701.V










Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: DCE.91.090.BVC

Extractor: DCF.93.090.4LT

Replacement contact: FGG.0B.560.ZZC

## Cables

CMN.05.T22.051PGCE	PVC	GREY	
CMN.05.T20.057PGCE	PVC	GREY	
CMN.05.T22.051PNCE	PVC	Black	
CMN.05.T22.051QGZE	TPR (medical)	Grey	
CMN.05.T20.057PGZE		Grey	
CMN.05.T20.057PNCE	PVC	Black	
CMN.05.T20.057PNZE			
CMN.05.T20.057QGZE	TPR (medical)	Grey	
CMN.05.T22.051PGZE		Grey	
CMN.05.T22.051PNZE			
050 090	PVC	Black	
050 140	PVC	Grey	
150 250	PVC	Grey	
250 500	PVC	Grey	

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