

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series 1F
Termination type Male crimp
IP rating 67
AWG wire size 20.00 - 18.00
Cable Ø 3.80 - 10.70 mm
Status active

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[See video assembly instructions](#)

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 [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces beryllium copper
Weight 8.42 g

Performance

Configuration 1F.303 : 3 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 12 Amps

Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.6 mOhm
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)

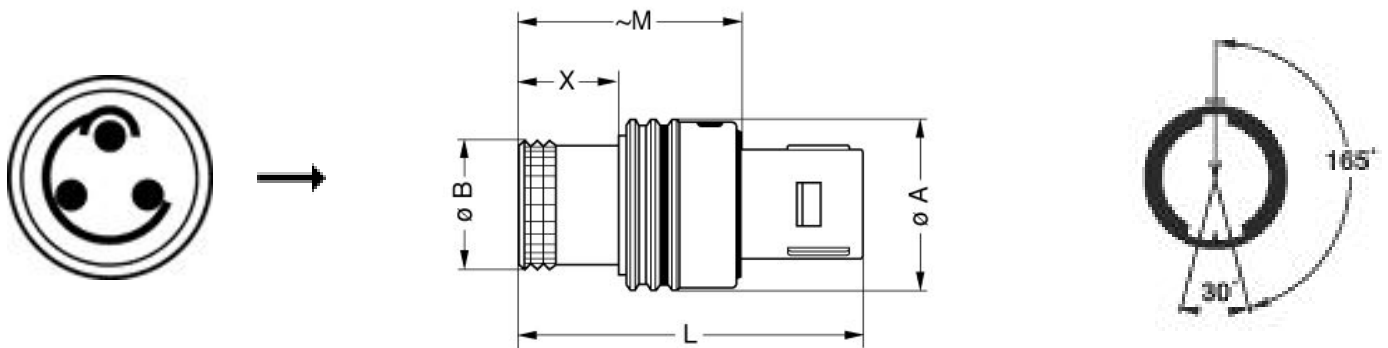
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Vtest (contact-contact): 1600 V (AC), 2250 V (DC)

Others

Endurance (Shell): 500 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)

DRAWINGS



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

Tools

Crimp Tool: [DPC.91.701.V](#)


Crimp settings: AWG/Selector = 18-20/8-7

Positionner: [DCE.91.131.FVC](#)

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Extractor: [DCF.93.131.4LT](#)
 Replacement contact: FGN.1F.565.ZZC

Cables

CMN.03.T18.055PGZE		Grey	
CMN.03.T18.055PNZE			
CMN.03.T18.055QGZE	TPR (medical)	Grey	
CMN.03.T20.049PGZE		Grey	
CMN.03.T20.049PNZE			
130240	PVC	Black	
130250	PVC	Grey	
230500	PVC	Grey	
230750	PVC	Grey	
30110	PVC	Grey	
30260	PVC	Black	
3220	PVC	Black	
3280	PVC	Black	
60080	PVC	Grey	

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