

## SUMMARY

### # Wires

Low voltage	7
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*Image is for illustrative purpose only*

Series	1F
Termination type	Female crimp
IP rating	67
AWG wire size	26.00 - 22.00
Cable Ø	3.80 - 10.70 mm
Status	active
Matching parts	<a href="#">FGN.1F.307.XLC</a>

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Straight receptacle
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	7.25 g

### Performance

Configuration	1F.307 : 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 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
Vtest (contact-shell):	1450 V (AC), 2050 V (DC)

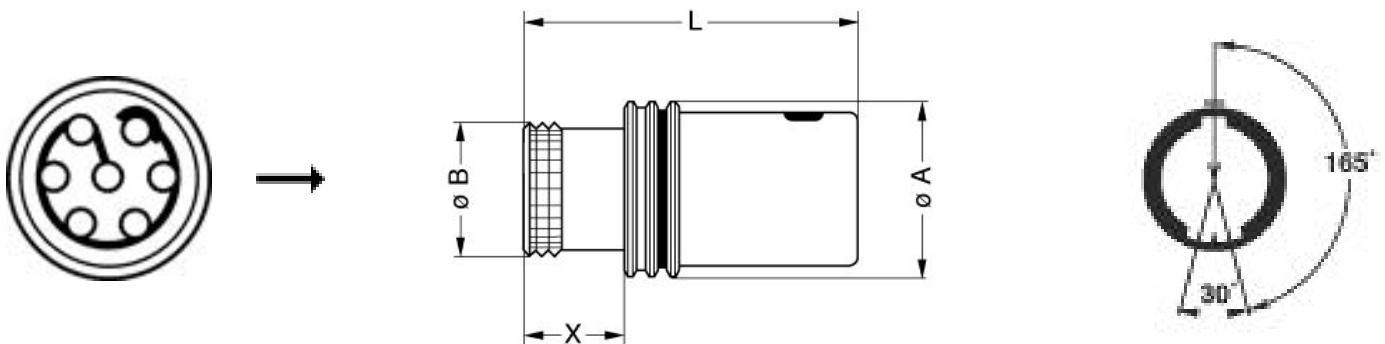
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

## 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

## DRAWINGS



## Dimensions

	A	B	L	X
mm.	14	10.7	26.7	8
in.	0,55	0,42	1,05	0,31

## RECOMMENDED BY LEMO

### Tools

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

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

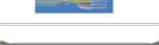
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Positionner: [DCE.91.070.BVM](#)

Extractor: [DCF.93.070.4LT](#)

Replacement contact: EGG.0B.655.ZZM

## Cables

CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			
270250	PVC	Grey	
70140	PVC	Grey	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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