

## SUMMARY

### # Wires

Low voltage 30



*Image is for illustrative purpose only*

Series 3F  
Termination type Male crimp  
IP rating 67  
AWG wire size 26.00 - 22.00  
Cable Ø 5.30 - 16.00 mm  
Status active  
Matching parts [FGS.3F.330.XLM](#)

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EH\*: Fixed receptacle, nut fixing (back panel mounting, printed circuit mounting possible)  
Keying 3 keys (beta=140, gamma=80, plug: female contacts, receptacle: male contacts)  
Housing Material Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass  
Weight 19.54 g

### Performance

Configuration 3F.330 : 30 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
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  
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

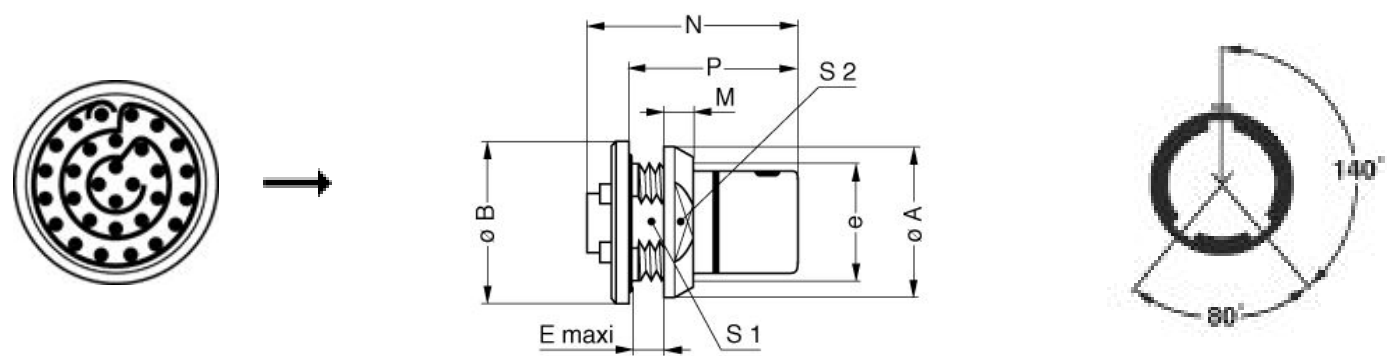
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Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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	E	H	L	M	P	S1	S2	e
mm.	22	23	3	11.43	21.6	4	14.5	16.5	19	M18x1.0
in.	0,87	0,91	0,12	0,45	0,85	0,16	0,57	0,65	0,75	

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.BVC](#)

Extractor: [DCF.93.070.4LT](#)

Replacement contact: FGG.0B.555.ZZC

### Cables

CMN.30.T22.087PGCE	PVC	GREY	
CMN.30.T22.087PGZE		Grey	
CMN.30.T22.087PNCE	PVC	Black	
CMN.30.T22.087PNZE			
330240	PVC	Black	
330260	PVC	Black	
430250	PVC	Grey	

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