

## SUMMARY

### # Wires

Low voltage 12



*Image is for illustrative purpose only*

Series 2F  
Termination type Female crimp  
IP rating 67  
AWG wire size 26.00 - 22.00  
Cable Ø 5.30 - 14.00 mm  
Status active  
Matching parts [FGP.2F.312.XLC](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EH\*: Fixed receptacle, nut fixing (back panel mounting, printed circuit mounting possible)  
Keying 3 keys (beta=150, gamma=60, 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 10.23 g

### Performance

Configuration 2F.312 : 12 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): 2000 V (AC), 2850 V (DC)

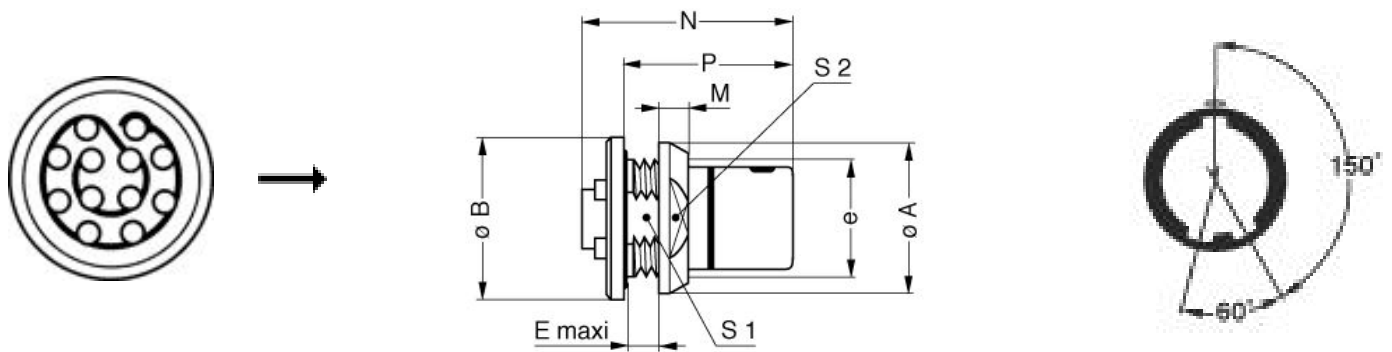
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Vtest (contact-contact): 1650 V (AC), 2350 V (DC)

## 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	M	N	P	S1	S2	e
mm.	20	20	3	4	19	14.5	14.5	17	M16x1.0
in.	0,79	0,79	0,12	0,16	0,75	0,57	0,57	0,67	

## 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.12.T22.070QGZE	TPR (medical)	Grey	
CMN.12.T28.054PGZE		Grey	
CMN.12.T28.054PNZE			
112240	PTFE	White	
112260	PTFE	White	
112280	PVC	Black	
12050	PVC	Black	
124080	PVC	Grey	
124084	PVC	Black	
212220	PVC	Black	
212240	PVC	Black	
212250	PVC	Grey	
212260	PVC	Black	

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