

## SUMMARY

### # Wires

Low voltage	12
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*Image is for illustrative purpose only*

Series	2F
Termination type	Female print PCB
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGN.2F.312.CLC</a>

### Download

- [Request a quote](#)
- [PCB Eagle Pattern](#)
- [PCB Altium Pattern](#)
- [PCB KiCad Pattern](#)
- [Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HE*: Fixed receptacle, nut fixing, for printed circuit (back panel mounting)
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell and nut, other pieces brass
Variant	P : Watertight
Weight	17.12 g

### Performance

Configuration	2F.312 : 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 Amps

### Specifications

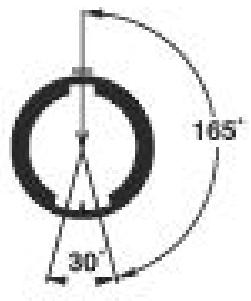
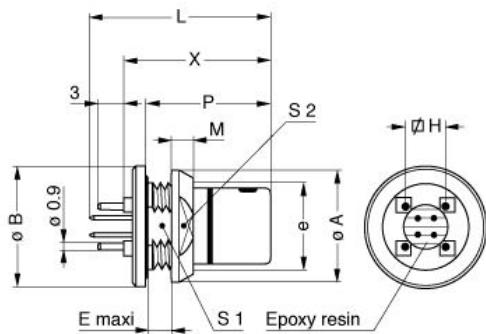
Contact Type:	Print (straight)
Contact Dia.:	0.7 mm (0.028in)
R (max):	6.1 mOhm
Vtest (contact-shell):	2000 V (AC), 2850 V (DC)
Vtest (contact-contact):	1650 V (AC), 2350 V (DC)

### Others

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Endurance (Shell): 5000 mating cycles  
 Temp (min / max): -50°C / +150°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: 50/175/21 (Aluminium shell)  
 Salt Spray Corrosion: >1000 hr  
 Pressure: 5 bars

## DRAWINGS



### Dimensions

	A	B	E	H	L	M	P	S1	S2	X	e
mm.	20	20	3	8.89	21.5	4	14.5	14.5	17	17.5	M16x1.0
in.	0,79	0,79	0,12	0,35	0,85	0,16	0,57	0,57	0,67	0,69	

## RECOMMENDED BY LEMO

### Tools

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