

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 2F  
Termination type Female crimp  
IP rating 67  
AWG wire size 24.00 - 20.00  
Cable Ø 5.30 - 14.00 mm  
Status active  
Matching parts [FGN.2F.310.XLC](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PE\*: Straight receptacle, nut fixing (back panel mounting)  
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 11.43 g

### Performance

Configuration 2F.310 : 10 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 8 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 2100 V (AC), 2970 V (DC)

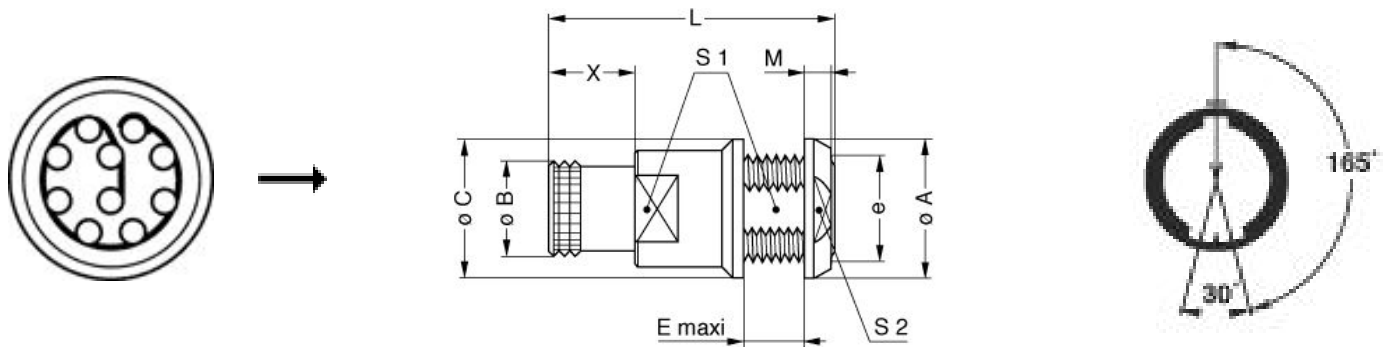
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## 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	C	E	L	M	S1	S2	X	e
mm.	20	14	20	6.4	26.7	4	14.5	17	8	M16x1.0
in.	0,79	0,55	0,79	0,25	1,05	0,16	0,57	0,67	0,31	

## RECOMMENDED BY LEMO

### Tools












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

Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: [DCE.91.090.BVM](#)  
 Extractor: [DCF.93.090.4LT](#)  
 Replacement contact: EGG.0B.660.ZZM

## Cables

CMN.10.T20.080PGZE		Grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110220	PVC	Black	
110240	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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