

SUMMARY

Wires

Low voltage 12



Image is for illustrative purpose only

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

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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=155, gamma=50, 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 10.01 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 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 2000 V (AC), 2850 V (DC)

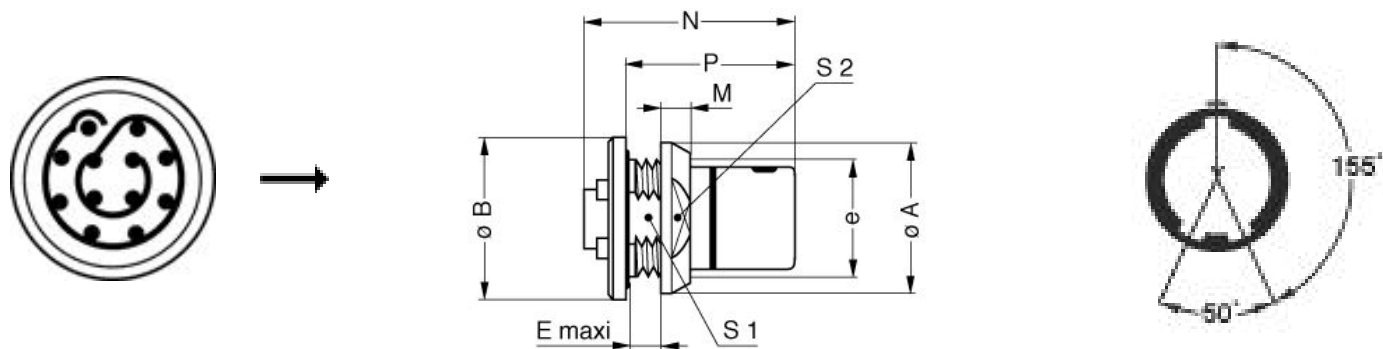
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Vtest (contact-contact): 1650 V (AC), 2350 V (DC)

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

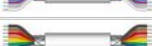
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Positionner: [DCE.91.070.BVC](#)

Extractor: [DCF.93.070.4LT](#)

Replacement contact: FGG.0B.555.ZZC

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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