

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series	1F
Termination type	Male crimp
IP rating	67
AWG wire size	26.00 - 22.00
Cable Ø	3.80 - 10.70 mm
Status	active
Matching parts	<a href="#">FGS.1F.308.XLM</a>

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## TECHNICAL DETAILS

### Mechanics

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

### Performance

Configuration	1F.308 : 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	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): 1300 V (AC), 1840 V (DC)

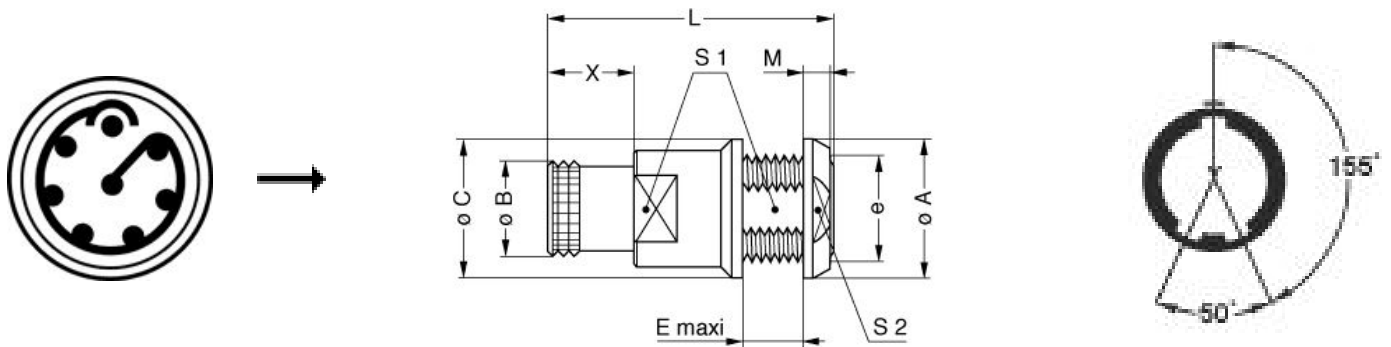
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

## 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.	17	10.7	17	6.2	26.7	3.2	11.5	14	8	M13x0.75
in.	0,67	0,42	0,67	0,24	1,05	0,13	0,45	0,55	0,31	

## RECOMMENDED BY LEMO

### Tools









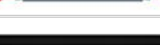



Crimp Tool: [DPC.91.701.V](#)

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.08.T22.059QGC	TPR	Grey	
CMN.08.T22.059QGZE	TPR (medical)	Grey	
CMN.08.T26.042QGZE	TPR (medical)	Grey	
108220	PVC	Black	
108240	PTFE	White	
108260	PTFE	White	
16080	PVC	Grey	
180240	PVC	Black	
180260	PVC	Black	
280250	PVC	Grey	
335990	PVC	Black	
335991	PVC	Black	
42265	PVC	Yellow	
80140	PVC	Grey	
8280	PVC	Black	

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[ELF.00.250.NTL](#) [ERA.01.250.DLL](#) [BRR.2S.200.PZVG](#) [HR10A-P](#) [CAH.M34.SLL.C72GZ](#) [CAJ.M34.SLL.C72GZ](#) [300500](#) [ESB.00.303.NLL](#)  
[EXG.0B.309.HLN](#) [FFB.1S.250.CLAC27](#) [FGA.2B.306.CYCD92](#) [FGA.2B.306.CYCD92Z](#) [FGA.XB.312.CLAD72](#) [FGJ.1B.302.CYMD62](#)  
[FGJ.3B.308.CLLD72Z](#)