

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series	0F
Termination type	Male crimp
IP rating	67
AWG wire size	24.00 - 20.00
Cable Ø	3.80 - 9.00 mm
Status	active
Matching parts	FGS.0F.302.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	3.96 g

Performance

Configuration	0F.302 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	10 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 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

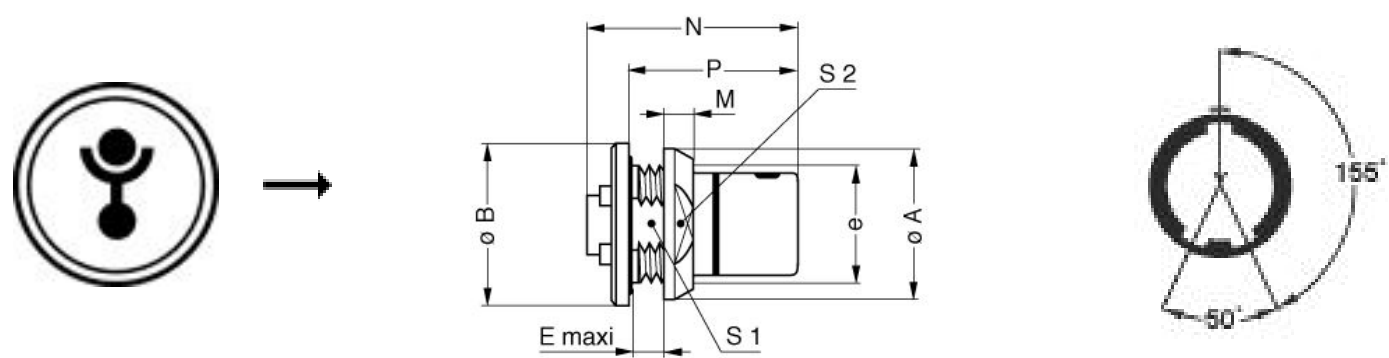
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Vtest (contact-contact): 1450 V (AC), 2100 V (DC)

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.	13	14	3	2.5	19	14.5	9	11	M10x0.75
in.	0,51	0,55	0,12	0,10	0,75	0,57	0,35	0,43	

RECOMMENDED BY LEMO











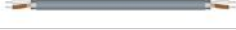


















Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: [DCE.91.090.BVC](#)
 Extractor: [DCF.93.090.4LT](#)
 Replacement contact: FGG.0B.560.ZZC

Cables

CMN.02.T20.047PGZE		Grey	
CMN.02.T20.047PNZE			
CMN.02.T20.048QGZE	TPR (medical)	Grey	
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		Grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	
120240	PVC	Black	
120250	PVC	Grey	
120500	PVC	Grey	
120501	PVC	Grey	
120751	PVC	Grey	
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	
20550	PUR	Black	
20560	PUR	White	
2080	PVC	Grey	
220750	PVC	Grey	

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2221	PVC	Black	
2260	PTFE	White	
2280	PVC	Black	
4082	PVC	Grey	
CMB.02.210.635	PUR	Black	

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