

SUMMARY

Wires

Low voltage	5
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Image is for illustrative purpose only

Series	1F
Termination type	Female crimp
IP rating	67
AWG wire size	24.00 - 20.00
Cable Ø	3.80 - 10.70 mm
Status	active
Matching parts	FGN.1F.305.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	8.12 g

Performance

Configuration	1F.305 : 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	9 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 ² (AWG 24)
Max. Conductor:	0.5 mm ² (AWG 20)
R (max):	4.8 mOhm
Vtest (contact-shell):	1550 V (AC), 2200 V (DC)

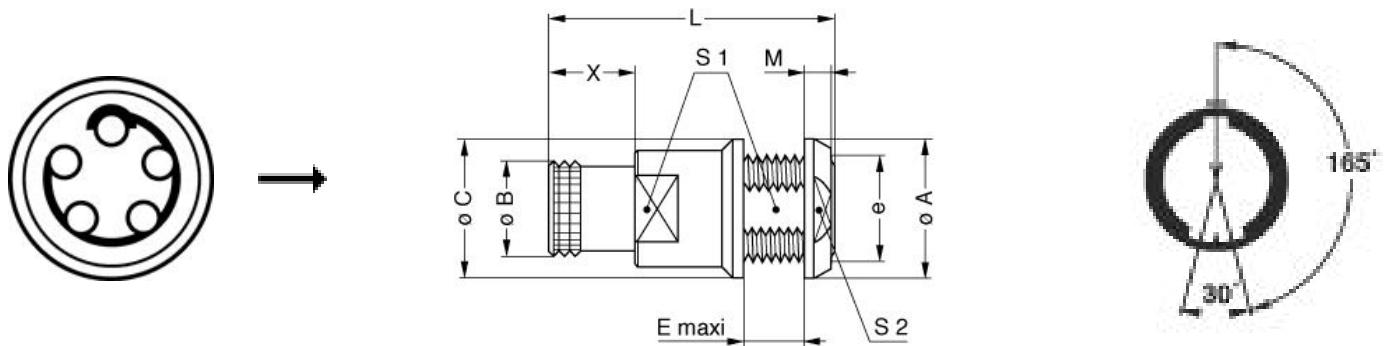
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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 = 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.05.T20.057PGZE		Grey	
CMN.05.T20.057PNZE			
CMN.05.T20.057QGZE	TPR (medical)	Grey	
CMN.05.T22.051QGZE	TPR (medical)	Grey	
150250	PVC	Grey	
250500	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	

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