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FGN.0F.302.XLC

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	EGN.0F.302.XLM

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Catalog

See video assembly instructions

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug
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	6.46 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 mm^2 (AWG 24)
Max. Conductor: 0.5 mm^2 (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

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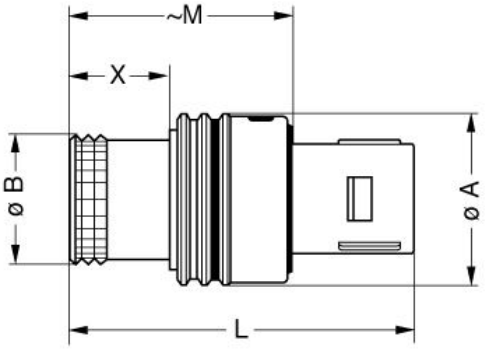
Vtest (contact-contact): 1450 V (AC), 2100 V (DC)

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	L	M	X
mm.	12	9	27.5	17.8	8
in.	0,47	0,35	1,08	0,70	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.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	
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	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
220750	PVC	Grey	
2221	PVC	Black	
2280	PVC	Black	
4082	PVC	Grey	

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