

## SUMMARY

### # Wires

Low	2
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

Series	1M
Termination type	Female crimp
IP rating	68
Cable Ø	4.85 - 9.70 mm
Matching parts	FMN.1M.302.XLCT
Status	
Alternative part	



*Image is for illustrative purpose only*

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PM*: Free receptacle with knurled grip and mold stop
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Cable Fixing	∅ 4.85 - 9.7 mm
Variant	

### Performance

Configuration	
Insulator	
Rated Current	19.0 Amps

### Specifications

Contact Type: Crimp
Max. Matings: 5000
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)

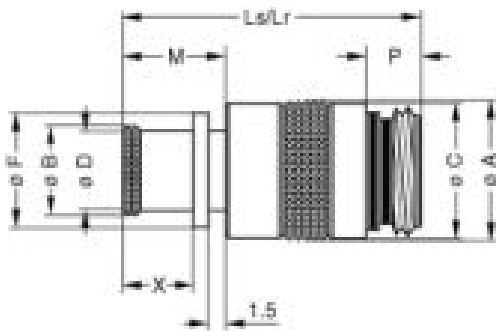
Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 Max. Conductor: 1 mm<sup>2</sup> (AWG 18)  
 R (max): 3.6 mOhm

## Others

Humidity (max): <=95% [at 60 deg C / 140 F]  
 Vibration: 15 g [10 Hz - 2000 Hz]  
 Shock Resistance: 100 g [ 6 ms]  
 Operating temperature: -55 °C / +200 °C  
 Climatical Category: 15/200/21 (Al. shell)  
 Lighting strike EIA 364-75 10K amps - 6 times  
 EMI Shielding EIA 364-66A - 1Ghz-80 dB,3GHz-70 dB,6GHz- 58dB  
 IP Rating: 68

# DRAWINGS

## Draws



## Dimensions










	A	B	C	D	F	Lr	Ls	M	P	X
mm.	14.6	10.5	14.2	9.7	12.4	28.6	28.6	9.7	5.3	6.7
in.	0,57	0,41	0,56	0,38	0,49	1,13	1,13	0,38	0,21	0,26

# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V  
 Crimp settings: AWG/Selector = 16-18-20/8-7-7  
 Positionner: DCE.91.130.5MVM  
 Extractor: DCF.93.131.4LT

## Cables

CFN.3K.93C.092PNCA	PVC	Black	
CFN.3K.93C.092PNCS	PVC	Black	
CMN.02.T18.064UNCU			
002 200	PVC	Black	
102 080	PVC	Grey	
120 184	PVC	Black	
120 500	PVC	Grey	
120 501	PVC	Grey	
120 751	PVC	Grey	
220 151	PVC	Grey	
220 750	PVC	Grey	
320 150	PVC	Grey	