

## SUMMARY

### # Wires

Low voltage 16



*Image is for illustrative purpose only*

Series	1B
Termination type	Female solder
IP rating	50
AWG wire size	34.00 - 28.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">FGA.1B.316.CLAD52Z</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Free receptacle, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief

### Performance

Configuration	1B.316 : 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	1.5 Amps

### Specifications

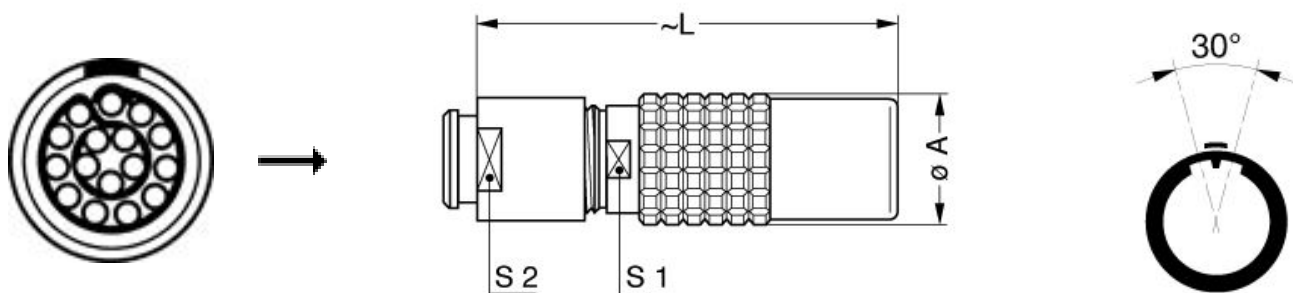
Contact Type:	Solder
Contact Dia.:	0.5 mm (0.02in)
Bucket Dia.:	0.45 mm (0.018in)
Max. Solid Conductor:	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor:	0.09 mm <sup>2</sup> (AWG 28)
R (max):	8.7 mOhm
Vtest (contact-shell):	1250 V (AC), 1770 V (DC)
Vtest (contact-contact):	800 V (AC), 1130 V (DC)

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## Others

Endurance (Shell): 5000  
Temp (min / max): -55°C / +250°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: 50/175/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

	A	L	S1	S2
mm.	12.5	39.5	10	9
in.	0,49	1,56	0,39	0,35



## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1B.015.PA090](#)

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## Cables

CMN.16.T30.047QGZE	TPR (medical)	Grey	
16050	PVC	Black	

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