

Excellent Integrated System Limited

Stocking Distributor

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[LEMO](#)
[FHG.1B.316.CLAD76](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

FHG.1B.316.CLAD76

SUMMARY

Wires

| | |
|---------|----|
| Low | 16 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |

| | |
|------------------|----------------|
| Series | 1B |
| Termination type | Male solder |
| IP rating | 50 |
| Cable Ø | 7.30 - 7.60 mm |
| Matching parts | EGG.1B.316.CLL |



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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FH*: Elbow plug, cable collet |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Housing Material | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing | D76: 7.3 - 7.6 mm |
| Variant | |

Performance

| | |
|---------------|--|
| Configuration | 1B.316 : 16 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 1.5 Amps |

Specifications

| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Max. Matings: | 5000 |
| Contact Dia.: | 0.5 mm (0.02in) |
| Bucket Dia.: | 0.45 mm (0.018in) |
| Max. Solid Conductor: | 0.09 mm ² (AWG 28) |
| Max. Stranded Conductor: | 0.09 mm ² (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)

Others

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]
 Salt Spray Corrosion: >1000 hr
 Climatical Category: 50/175/21
 Shielding (min): 75 dB (10 MHz)
 Shielding (min): 40 dB (1 GHz)
 IP Rating: 50

DRAWINGS

Draws



Dimensions

| | A | D | H | L | M | S1 | S2 | S3 |
|-----|------|------|------|------|------|------|------|------|
| mm. | 13.5 | 8 | 30.5 | 36.0 | 25.0 | 11 | 9 | 10 |
| in. | 0,53 | 0,31 | 1,20 | 1,42 | 0,98 | 0,43 | 0,35 | 0,39 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: MTZ.1B.132.090

Cables



Distributor of LEMO: Excellent Integrated System Limited

Datasheet of FHG.1B.316.CLAD76 - CONN PLUG 16POS ELBOW PIN SLD CP

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com
