

## SUMMARY



*Image is for illustrative purpose only*

### # Wires

|         |   |
|---------|---|
| Low     | 7 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |

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|                  |                   |
|------------------|-------------------|
| Series           | 1B                |
| Termination type | Female print PCB  |
| IP rating        | 68                |
| Cable Ø          | 0.00 - 0.00 mm    |
| Matching parts   | FGG.1B.307.CLAD35 |
| Status           |                   |
| Alternative part |                   |

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | HG*: Fixed receptacle, nut fixing, watertight or vacuum-tight                               |
| 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      | ∅ 0 - 0 mm  |
| Variant           | P : Watertight  |

### Performance

|               |  |
|---------------|--|
| Configuration | 1B.307 : 7 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 7 Amps   |

### Specifications

|  |
|--|
| Contact Type: Print (straight)                   |
| Max. Matings: 5000                               |
| Contact Dia.: 0.7 mm (0.028in)                   |
| R (max): 6.1 mOhm                                |
| Vtest (contact-shell): 1050 V (AC), 1490 V (DC)  |
| Vtest (contact-contact): 950 V (AC), 1340 V (DC) |

## Others

Temp (min / max): -20° C / +80° 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: >144 hr  
Climatical Category: 20/80/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Pressure: 60 bars  
IP Rating: 68

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## DRAWINGS

### Draws



### Dimensions

|     | A    | B    | E    | L    | M    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 18   | 16   | 7    | 26.6 | 4.5  | 10.5 | 14   | M12x1.0 |
| in. | 0,71 | 0,63 | 0,28 | 1,05 | 0,18 | 0,41 | 0,55 |         |

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## RECOMMENDED BY LEMO

### Tools

None

### Cables