

## SUMMARY

### # Wires

|         |   |
|---------|---|
| Low     | 6 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |

|                  |                  |
|------------------|------------------|
| Series           | 1B               |
| Termination type | Female print PCB |
| IP rating        | 50               |
| Cable Ø          | 0.00 - 0.00 mm   |
| Matching parts   |                  |
| Status           | active           |
| Alternative part |                  |



*Image is for illustrative purpose only*

### Download

- [Request a quote](#)
- [PCB Eagle Pattern](#)
- [PCB Altium Pattern](#)
- [Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EX*: Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting) |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                     |
| Housing Material  | PPS (Polyphenylene) shell, other pieces nickel plated brass                                           |
| Cable Fixing      | ∅ 0 - 0 mm                                                                                            |
| Variant           |                                                                                                       |
| Weight            | 13.89 g                                                                                               |

### Performance

|               |                                                          |
|---------------|----------------------------------------------------------|
| Configuration | 1B.306/EXG : 6 Low Voltage                               |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 6 Amps                                                   |

### Specifications

Contact Type: Print (straight)  
Max. Matings: 5000

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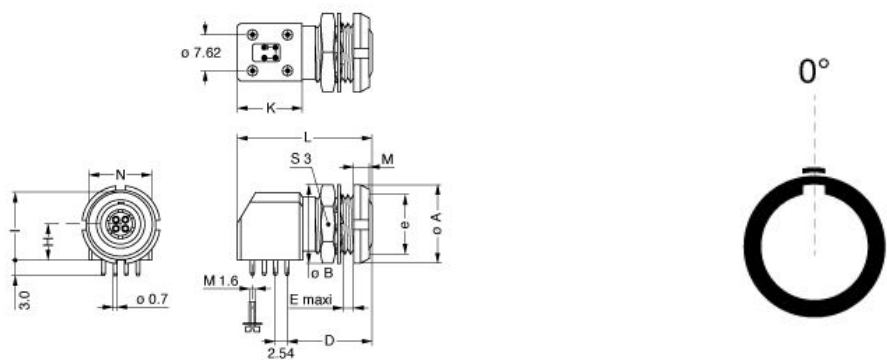
Contact Dia.: 0.7 mm (0.028in)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

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    | B    | D    | E    | H    | I    | K    | L    | M    | N    | S3   | e       |
|-----|------|------|------|------|------|------|------|------|------|------|------|---------|
| mm. | 14   | 15   | 16.5 | 7.5  | 7.7  | 14   | 13.2 | 27   | 3.5  | 14   | 13   | M11x0.5 |
| in. | 0,55 | 0,59 | 0,65 | 0,30 | 0,30 | 0,55 | 0,52 | 1,06 | 0,14 | 0,55 | 0,51 |         |

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**Tools**

None

**Cables**

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