

## SUMMARY

### # Wires

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



Image is for illustrative purpose only

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|                  |                               |
|------------------|-------------------------------|
| Series           | 1P                            |
| Termination type | Male solder                   |
| IP rating        | 50                            |
| Cable Ø          | 5.30 - 6.50 mm                |
| Status           | active                        |
| Alternative part |                               |
| Matching parts   | <a href="#">PLA.M0.7GL.LG</a> |

## TECHNICAL DETAILS

### Mechanics

|                   |  |
|-------------------|--|
| Shell Style/Model | PA*: Straight plug with cable collet and nut for fitting a bend relief |
| Keying            | 2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts)    |
| Housing Material  | PSU (Polysulfone), grey  |
| Variant           | G : grey collet nut for bend relief                                    |
| Weight            | 5.12 g   |

### Performance

|               |  |
|---------------|--|
| Configuration | 1P.M07 : 7 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 5 Amps   |

### Specifications

|                       |                               |
|-----------------------|-------------------------------|
| Contact Type:         | Solder                        |
| Contact Dia.:         | 0.7 mm (0.0275in)             |
| Bucket Dia.:          | 0.6 mm (0.024in)              |
| Max. Solid Conductor: | 0.14 mm <sup>2</sup> (AWG 26) |

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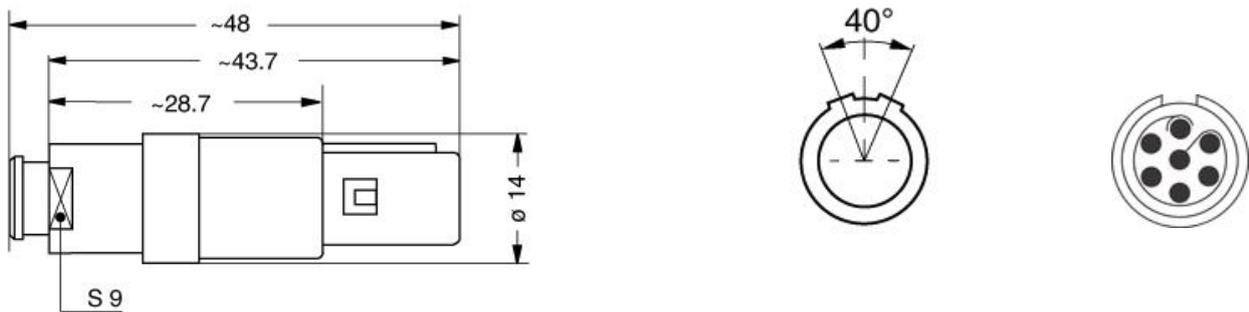
Max. Stranded Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
 R (max): 6.5 mOhm  
 Test voltage (kV rms) Contact-contact: 1.05  
 Air clearance min. (mm) or Creepage distance min. (mm): 0.85

## Others

Endurance (Shell): >2000 mating cycles  
 F ret (min): 50 N  
 F ret (max): 150 N  
 Steam sterilization: > 100 times (with potting on rear connection)  
 IP Rating: 50

# DRAWINGS

## Draws



## Dimensions

|     | A    | L    | S1 |
|-----|------|------|----|
| mm. | 14   | 48   | S9 |
| in. | 0,55 | 1,89 |    |

# RECOMMENDED BY LEMO

## Tools

None

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## Cables

270 250

PVC

Grey



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