

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

|                  |                               |
|------------------|-------------------------------|
| Series           | 1P                            |
| Termination type | Male solder                   |
| IP rating        | 50                            |
| AWG wire size    | 0.00 - 26.00                  |
| Cable Ø          | 4.00 - 5.20 mm                |
| Status           | active                        |
| Matching parts   | <a href="#">PLA.M0.6GL.LG</a> |

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## 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), gray  |
| Variant           | G : Gray collet nut for bend relief                                    |
| Weight            | 5.04 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1P.M06 : 6 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 6 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)    |
| Max. Stranded Conductor: 0.14 mm <sup>2</sup> (AWG 26) |
| R (max): 6.5 mOhm                                      |
| Test voltage (kV rms) Contact-contact: 1.05            |

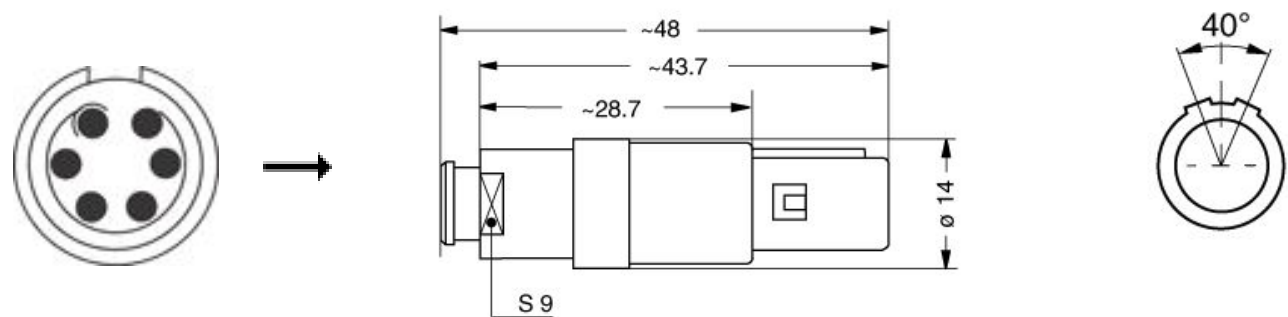
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Air clearance min.: 0.85 mm  
Creepage distance min.: 0.85 mm

Others

Endurance (Shell): >2000 mating cycles  
Temp (min / max): -50°C / +150°C  
F ret (min): 50 N  
F ret (max): 150 N  
Steam sterilization: > 100 times (with potting on rear connection)

DRAWINGS



RECOMMENDED BY LEMO

Tools

Cables

|                    |               |       |  |
|--------------------|---------------|-------|--|
| CMN.06.T28.042QBCE | TPR (medical) |       |  |
| CMN.06.T28.044PGZE |               | Grey  |  |
| CMN.06.T28.044PNZE |               |       |  |
| 106240             | PTFE          | White |  |
| 160140             | PVC           | Grey  |  |
| 160260             | PVC           | Black |  |
|                    |               |       |  |

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|       |      |       |  |
|-------|------|-------|--|
| 60260 | PTFE | White |  |
| 6280  | PVC  | Black |  |

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