

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                               |
|------------------|-------------------------------|
| Series           | 1P                            |
| Termination type | Male solder                   |
| IP rating        | 50                            |
| AWG wire size    | 0.00 - 22.00                  |
| Cable Ø          | 4.00 - 5.20 mm                |
| Status           | active                        |
| Matching parts   | <a href="#">PLC.M0.4NL.LJ</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| Shell Style/Model | PA*: Straight plug with cable collet                                |
| Keying            | 2 keys (alpha=80; Plug: male contacts; Receptacle: female contacts) |
| Housing Material  | PSU (Polysulfone), black                                            |
| Variant           | J : Yellow collet nut                                               |
| Weight            | 5.03 g                                                              |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1P.M04 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 8 Amps                    |

### Specifications

Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.5 mOhm  
Test voltage (kV rms) Contact-contact: 1.2

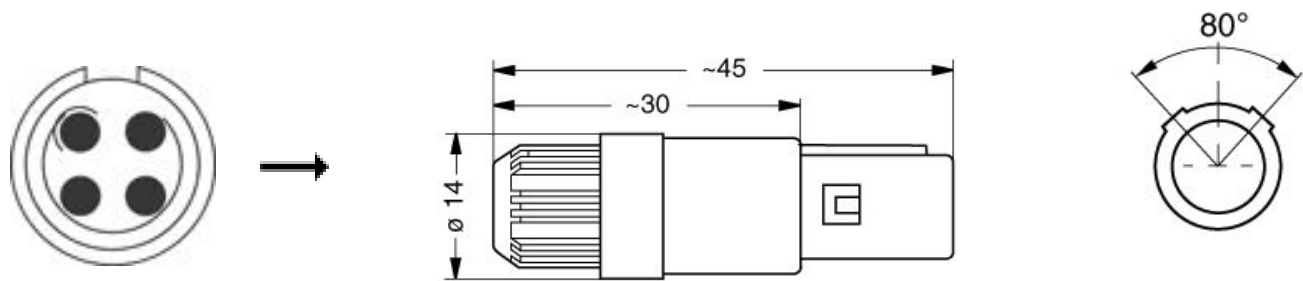
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Air clearance min.: 1.2 mm  
Creepage distance min.: 1.2 mm

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.04.T22.047QGC  | TPR           | Grey  |  |
| CMN.04.T22.048QGZE | TPR (medical) | Grey  |  |
| 140240             | PVC           | Black |  |
| 140250             | PVC           | Grey  |  |
| 40140              | PVC           | Black |  |
| 40260              | PVC           | Black |  |
|                    |               |       |  |

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|       |     |       |                                                                                     |
|-------|-----|-------|-------------------------------------------------------------------------------------|
| 4080  | PVC | Grey  |  |
| 4221  | PVC | Black |                                                                                     |
| 4280  | PVC | Black |  |
| 80080 | PVC | Grey  |                                                                                     |
| 80082 | PVC | Red   |                                                                                     |
| 80084 | PVC | Black |                                                                                     |

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