

## SUMMARY

### # Wires

Low voltage 9



*Image is for illustrative purpose only*

|                  |                               |
|------------------|-------------------------------|
| Series           | 1P                            |
| Termination type | Male solder                   |
| IP rating        | 50                            |
| AWG wire size    | 0.00 - 28.00                  |
| Cable Ø          | 5.30 - 6.50 mm                |
| Status           | active                        |
| Matching parts   | <a href="#">PLG.M0.9NL.LN</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Shell Style/Model | PA*: Straight plug with cable collet                            |
| Keying            | 1 key (alpha=0; Plug: male contact; Receptacle: female contact) |
| Housing Material  | PSU (Polysulfone), black                                        |
| Variant           | N : Black collet nut                                            |
| Weight            | 4.91 g                                                          |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1P.M09 : 9 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 3 Amps                    |

### Specifications

|                                                        |
|--------------------------------------------------------|
| Contact Type: Solder                                   |
| Contact Dia.: 0.5 mm (0.0201in)                        |
| Bucket Dia.: 0.45 mm (0.018in)                         |
| Max. Solid Conductor: 0.09 mm <sup>2</sup> (AWG 28)    |
| Max. Stranded Conductor: 0.09 mm <sup>2</sup> (AWG 28) |
| R (max): 8.5 mOhm                                      |
| Test voltage (kV rms) Contact-contact: 0.85            |

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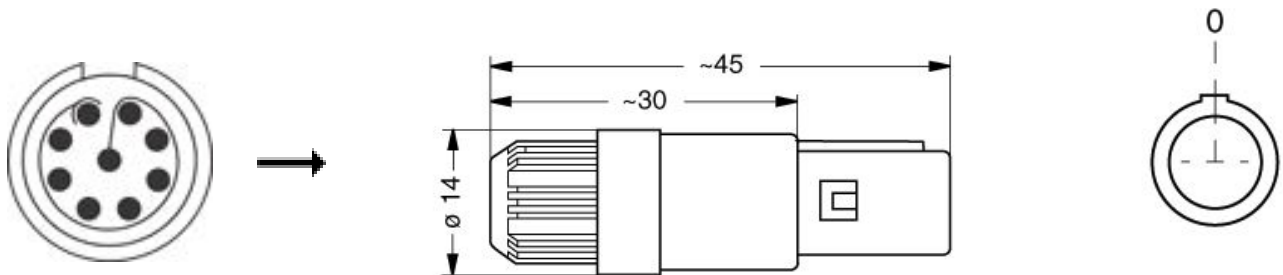
Air clearance min.: 0.6 mm  
Creepage distance min.: 0.6 mm

## 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)

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

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