

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                               |
|------------------|-------------------------------|
| Series           | 1P                            |
| Termination type | Male solder                   |
| IP rating        | 50                            |
| AWG wire size    | 0.00 - 0.00                   |
| Cable Ø          | 2.70 - 3.90 mm                |
| Status           | active                        |
| Matching parts   | <a href="#">PLA.M0.5TL.LN</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  | PEI (Polyetherimide), black                                            |
| Variant           | N : Black collet nut for bend relief                                   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1P.M05 : 5 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 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: 1.05  
Air clearance min.: 0.8 mm  
Creepage distance min.: 0.8 mm

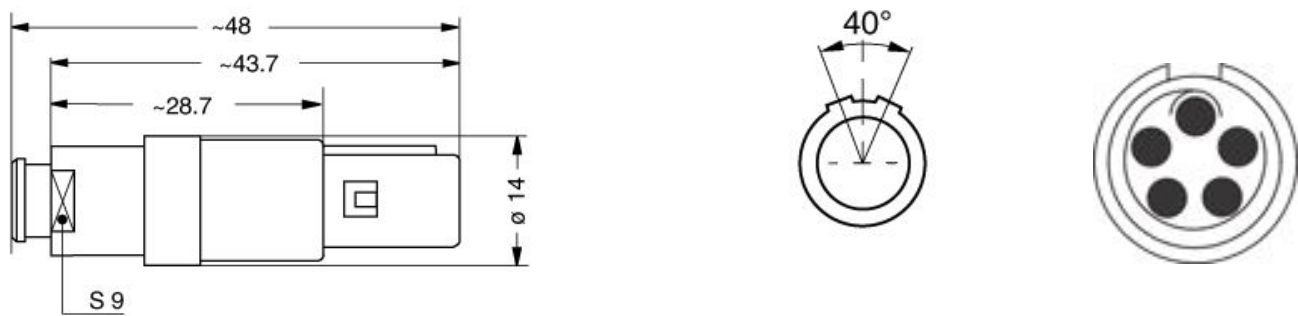
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Others

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

DRAWINGS

Draws



Dimensions

|     | A    | L    | S1   |
|-----|------|------|------|
| mm. | 14   | 48   | 9    |
| in. | 0.55 | 1.89 | 0.35 |

RECOMMENDED BY LEMO

Tools

Cables

|                    |     |      |  |
|--------------------|-----|------|--|
| CMN.05.T28.029PGCE | PVC | GREY |  |
|--------------------|-----|------|--|

|  |  |  |  |
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|                                          |     |               |                                                                                     |
|------------------------------------------|-----|---------------|-------------------------------------------------------------------------------------|
| CMN.05.T28.029PGZE<br>CMN.05.T28.029PNCE | PVC | Grey<br>Black |   |
| CMN.05.T28.029PNZE                       |     |               |  |
| 005 050                                  | PVC | Black         |   |

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