

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 14

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1P                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 0.00 - 28.00                      |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">PAA.M1.4SL.AC52GZ</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PK*: Fixed receptacle with two nuts (back panel mounting)           |
| Keying            | 2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts) |
| Housing Material  | PEI (Polyetherimide), gray  |
| Variant           | G : Gray front nut  |
| Weight            | 5.66 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1P.M14 : 14 Low Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2 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: | 0.6                           |

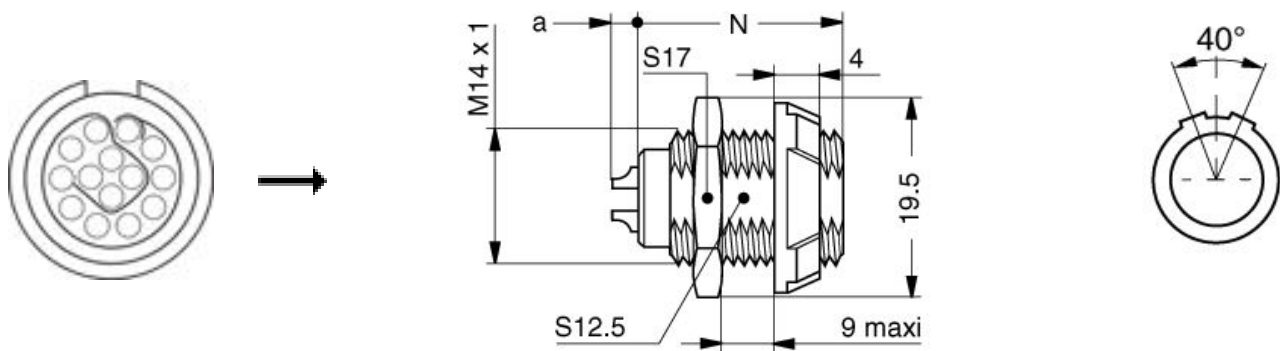
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Air clearance min.: 0.5 mm  
Creepage distance min.: 0.5 mm

## Others

Endurance (Shell): >2000 mating cycles  
Temp (min / max): -50°C / +170°C  
F ret (min): 50 N  
F ret (max): 150 N  
Steam sterilization: > 100 times (with potting on rear connection)

## DRAWINGS



## Dimensions

|     | A    | N             | a     |
|-----|------|---------------|-------|
| mm. | 19.5 | 20.5-<br>22.2 | 0-4.5 |
| in. | 0,77 | 0,81          | 0,00  |

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## Tools

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