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# PLH.M1.4NL.AR

## SUMMARY

### # Wires

| | |
|---|---|
| **Low voltage** | **14** |

*Image is for illustrative purpose only*

| | |
|---|---|
| **Series** | 1P |
| **Termination type** | Male solder |
| **IP rating** | 50 |
| **AWG wire size** | 34.00 - 28.00 |
| **Cable Ø** | 0.00 - 0.00 mm |
| **Status** | Active |
| **Matching parts** | PAH.M1.4NL.LC65NZ |

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## TECHNICAL DETAILS

### Mechanics

| | |
|---|---|
| **Shell Style/Model** | PL*: Fixed receptacle, nut fixing |
| **Keying** | 2 keys (beta=170; plug: female contacts, receptacle: male contacts) |
| **Housing Material** | PSU (Polysulfone), black |
| **Variant** | R : Red front nut |
| **Weight** | 5.26 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^2 (AWG 28)
Max. Stranded Conductor: 0.09 mm^2 (AWG 28)
R (max): 8.5 mOhm
Test voltage (kV rms) Contact-contact: 0.6

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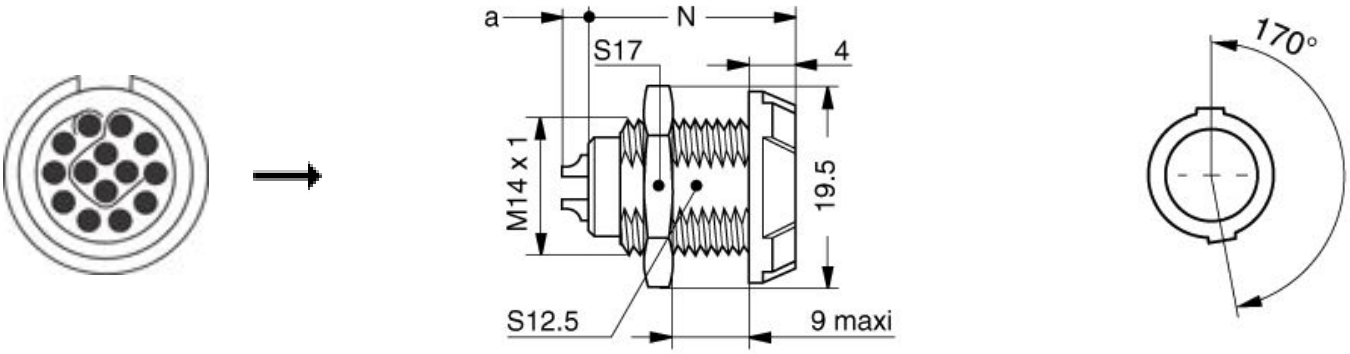
Air clearance min.: 0.5 mm
Creepage distance min.: 0.5 mm

### Others

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

## DRAWINGS




### Dimensions

| | A | L | N |
|---|---|---|---|
| mm. | 19.5 | 25 | 20.5 |
| in. | 0,77 | 0,98 | 0,81 |

## RECOMMENDED BY LEMO

### Tools

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