

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

| | |
|------------------|-------------------------------|
| Series | 1P |
| Termination type | Male solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 4.00 - 5.20 mm |
| Status | Active |
| Matching parts | PLG.M0.5SL.LG |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|--|
| Shell Style/Model | PA*: Straight plug with cable collet and nut for fitting a bend relief |
| Keying | 1 key (alpha=0; Plug: male contact; Receptacle: female contact) |
| Housing Material | PEI (Polyetherimide), gray |
| Variant | G : Gray collet nut for bend relief |
| Weight | 5.45 g |

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 ² (AWG 22) |
| Max. Stranded Conductor: 0.34 mm ² (AWG 22) |
| R (max): 4.5 mOhm |
| Test voltage (kV rms) Contact-contact: 1.05 |

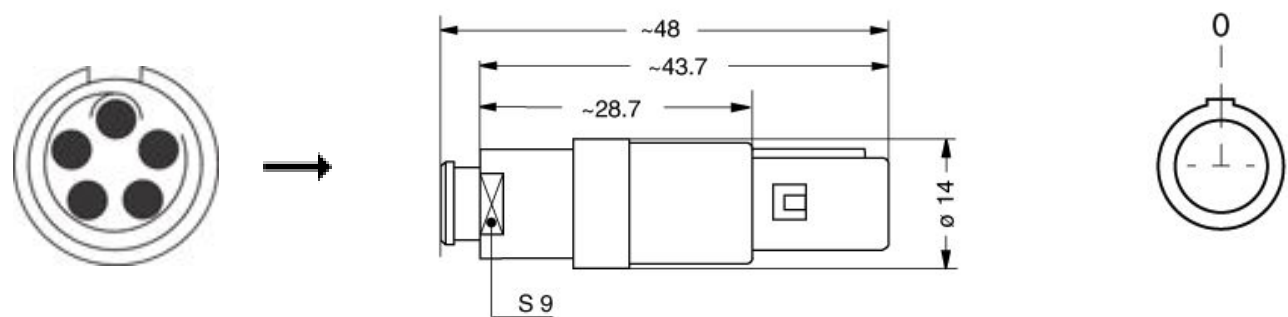
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Air clearance min.: 0.8 mm
Creepage distance min.: 0.8 mm

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



RECOMMENDED BY LEMO

Tools

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey |  |

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