

## 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 [PLA.M0.5TL.LN](#)

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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

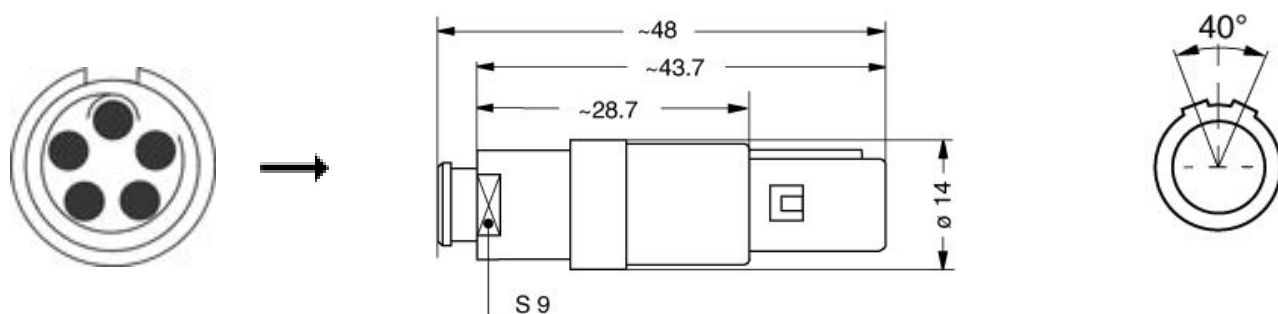
Endurance (Shell): >2000 mating cycles

F ret (min): 50 N

F ret (max): 150 N

Steam sterilization: > 100 times (with potting on rear connection)

## DRAWINGS



## RECOMMENDED BY LEMO

### Tools

### Cables

CMN.05.T28.029PGCE	PVC	GREY	
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CMN.05.T28.029PGZE		Grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
5050	PVC	Black	

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