

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

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.M1.0TL.AC39N</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PL*: Fixed receptacle, nut fixing
Keying	2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts)
Housing Material	PEI (Polyetherimide), black
Variant	G : Gray front nut
Weight	5.29 g

### Performance

Configuration	1P.M10 : 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	3 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:	0.85

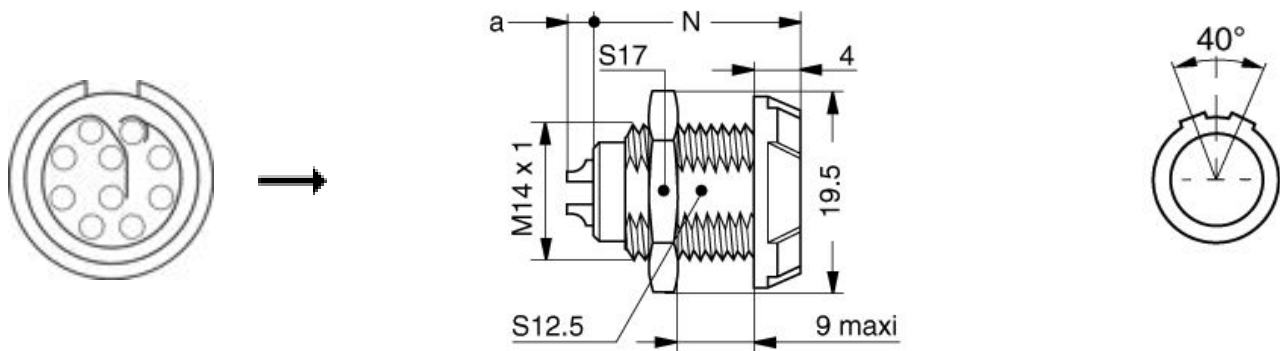
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Air clearance min.: 0.45 mm  
Creepage distance min.: 0.45 mm

## 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	L	N
mm.	19.5	25	20.5
in.	0,77	0,98	0,81

## RECOMMENDED BY LEMO

## Tools

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