

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series	1P
Termination type	Female solder
IP rating	50
AWG wire size	0.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">PAA.M0.2TL.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	N : Black front nut
Weight	4.66 g

### Performance

Configuration	1P.M02 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	10 Amps

### Specifications

Contact Type:	Solder
Contact Dia.:	1.3 mm (0.0512in)
Bucket Dia.:	1.1 mm (0.04in)
Max. Solid Conductor:	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor:	0.5 mm <sup>2</sup> (AWG 20)
R (max):	3.5 mOhm
Test voltage (kV rms) Contact-contact:	1.2

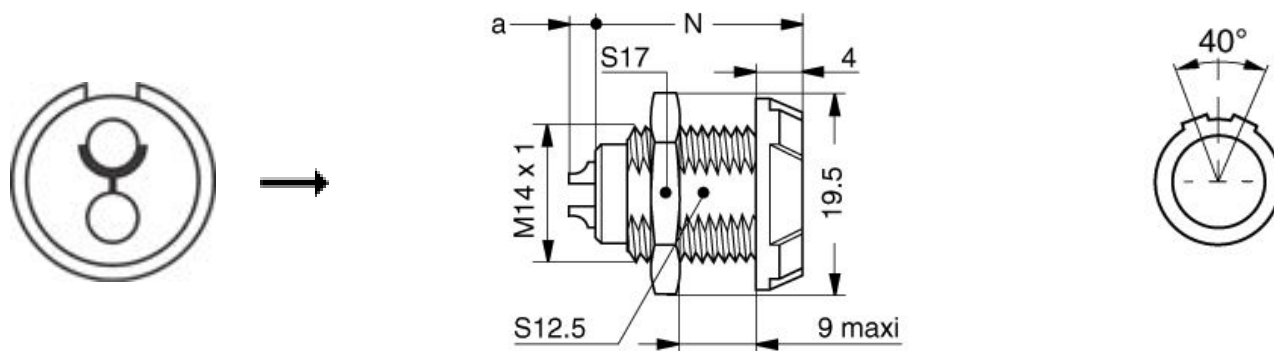
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Air clearance min.: 1.3 mm  
Creepage distance min.: 1.3 mm

## 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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