

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	1P
Termination type	Female solder
IP rating	50
AWG wire size	0.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	PAA.M0.5TL.AC39N

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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	A : Blue front nut
Weight	4.89 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 (0.0354in)
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

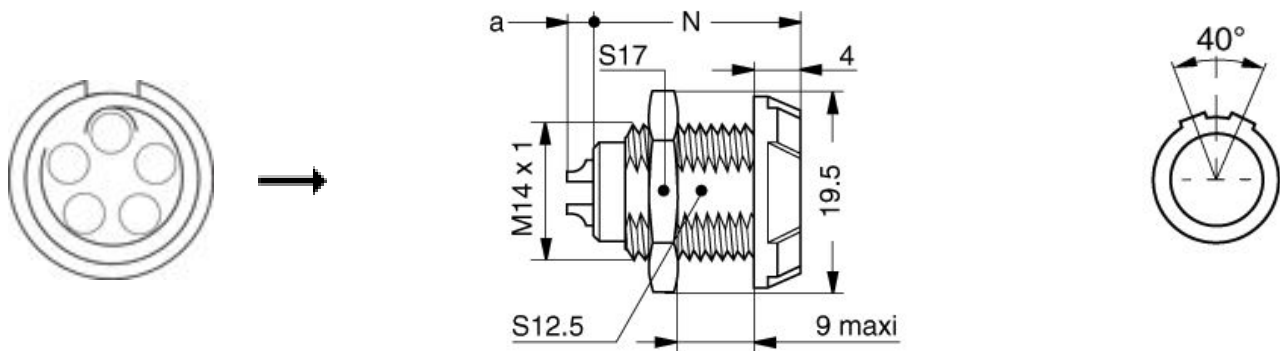
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Air clearance min.: 0.8 mm
Creepage distance min.: 0.8 mm

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



Dimensions

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

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Tools

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