

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	4.00 - 5.20 mm
Status	active
Matching parts	PAG.M0.5GL.AC52V

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PR*: Free receptacle with cable collet
Keying	1 key (alpha=0; Plug: male contact; Receptacle: female contact)
Housing Material	PSU (Polysulfone), gray
Variant	V : Green collet nut
Weight	4.66 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 / +150°C
F ret (min): 50 N
F ret (max): 150 N
R leak (He) (max): 0.0000001 mbar*l/s (if vacuum-tested)
Steam sterilization: > 100 times (with potting on rear connection)

DRAWINGS



Dimensions

	A	L
mm.	14	40
in.	0,55	1,57

RECOMMENDED BY LEMO

Tools

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Cables

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

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