

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	1K
Termination type	Female solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	4.60 - 5.00 mm
Status	active
Matching parts	FGG.1K.305.CLAC50Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PK*: Fixed receptacle, nut fixing, cable collet and nut for fitting a bend relief
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	35.17 g

Performance

Configuration	1K.305 : 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	9 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 ² (AWG 22)
Max. Stranded Conductor:	0.34 mm ² (AWG 22)
R (max):	4.8 mOhm

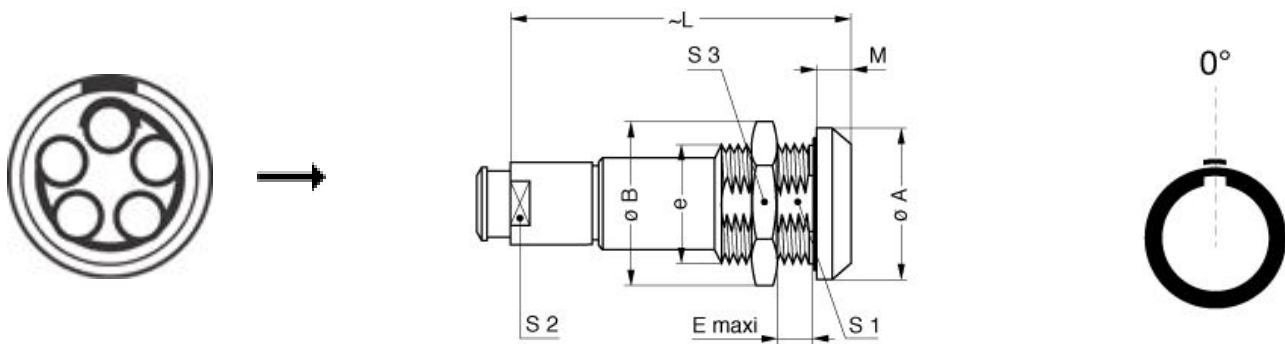
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Vtest (contact-shell): 1150 V (AC), 1630 V (DC)
 Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

Others

Endurance (Shell): 5000 mating cycles
 Temp (min / max): -55°C / +200°C
 Humidity (max): <=95% [at 60 deg C / 140 F]
 Vibration: 15 g [10 Hz - 2000 Hz]
 Shock Resistance: 100 g [6 ms]
 Climatical Category: 50/175/21
 Shielding (min): 95 dB (10 MHz)
 Shielding (min): 80 dB (1 GHz)
 Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

	A	B	E	L	M	S1	S2	S3	e
mm.	20	21.5	9.5	46.2	4.5	14.5	9	19	M16x1.0
in.	0,79	0,85	0,37	1,82	0,18	0,57	0,35	0,75	

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.1E.008.PA090](#)

Cables

50140	PVC	Grey	
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