

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	1K
Termination type	Female solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	5.60 - 6.00 mm
Status	active
Matching parts	FGG.1K.307.CLIC60

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PE*: Fixed receptacle, nut fixing, cable collet (back panel mounting)
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

Performance

Configuration	1K.307 : 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 Amps

Specifications

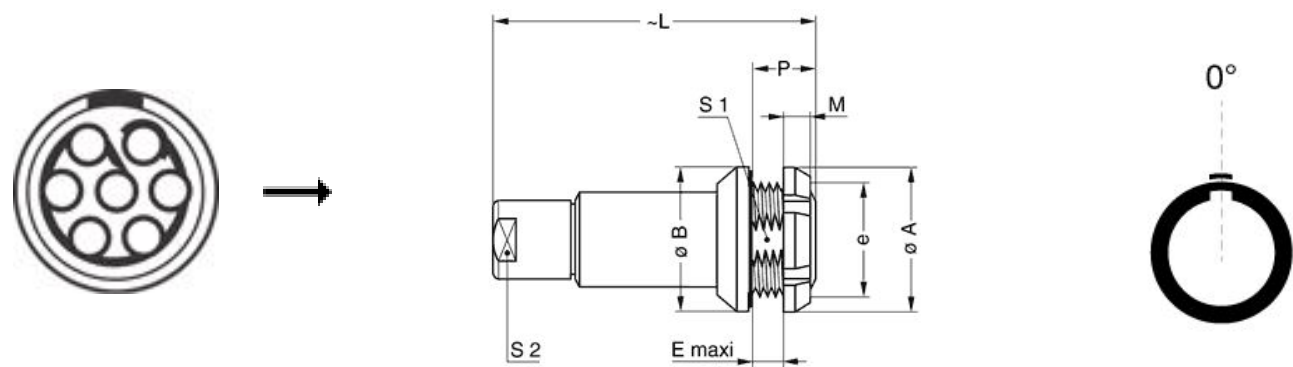
Contact Type: Solder
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm ² (AWG 22)
Max. Stranded Conductor: 0.34 mm ² (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1050 V (AC), 1490 V (DC)
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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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	P	S1	S2	e
mm.	20	20	6.5	45	3.5	10	14.5	9	M16x1.0
in.	0,79	0,79	0,26	1,77	0,14	0,39	0,57	0,35	

RECOMMENDED BY LEMO

Tools

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

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Cables

270250	PVC	Grey	
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