

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

Series	OB
Termination type	Female solder
IP rating	68
AWG wire size	28.00 - 28.00
Cable Ø	1.40 - 5.60 mm
Status	active
Matching parts	FGG.OB.307.CLAD32

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	HE*: Fixed receptacle, nut fixing, watertight or vacuum-tight (back panel mounting)
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	PV : Watertight / Vacuum-tested
Weight	5.52 g

Performance

Configuration	OB.307 : 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	2.5 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm ² (AWG 28)
Max. Stranded Conductor: 0.09 mm ² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 700 V (AC), 990 V (DC)

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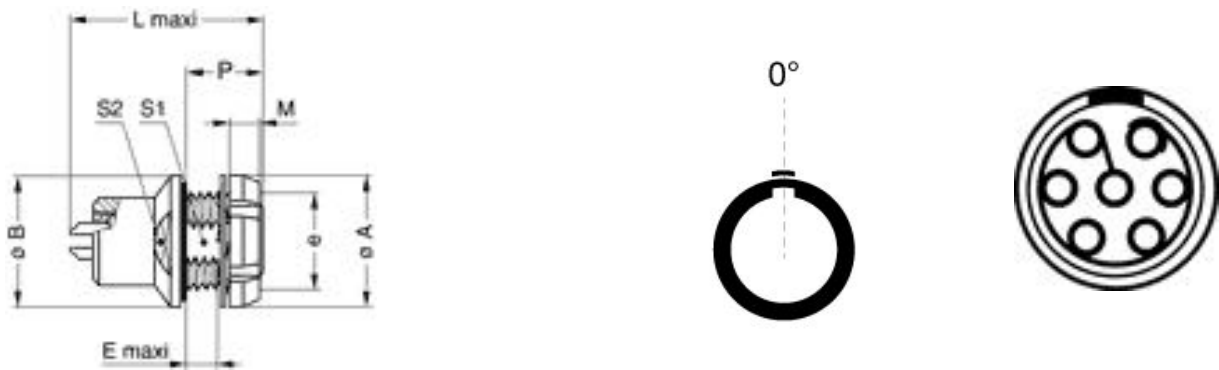
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

Others

- Endurance (Shell): 5000
- Temp (min / max): -20°C / +100°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: 20/80/21
- Shielding (min): 75 dB (10 MHz)
- Shielding (min): 40 dB (1 GHz)
- R leak (He) (max): 0.0000001 mbar*l/s (if vacuum-tested)
- Salt Spray Corrosion: >1000 hr
- Pressure: 60 bars

DRAWINGS

Draws



Dimensions

	A	B	E	L	M	P	S1	e
mm.	12	13	5.5	21.5	2.5	9.0	8.2	M9x0.6
in.	0.47	0.51	0.22	0.85	0.10	0.35	0.32	

RECOMMENDED BY LEMO

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Tools

Cables

CMN.07.S34.027JGC			
CMN.07.T28.044PGCE	PVC	GREY	
CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNCE	PVC	Black	
CMN.07.T28.044PNZE			
007 041	PVC	Grey	
007 050	PVC	Black	
CTR.75.030.121875G	PVC	Grey	

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