

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series	OB
Termination type	Female solder
IP rating	68 mated (mating interface)
AWG wire size	34.00 - 28.00
Cable Ø	0.00 - 0.00 mm
Status	Active
Matching parts	<a href="#">FGG.OB.307.CLAD32</a>

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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 [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant	PV : Watertight / Vacuum-tested unmated (connector to device)
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<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm

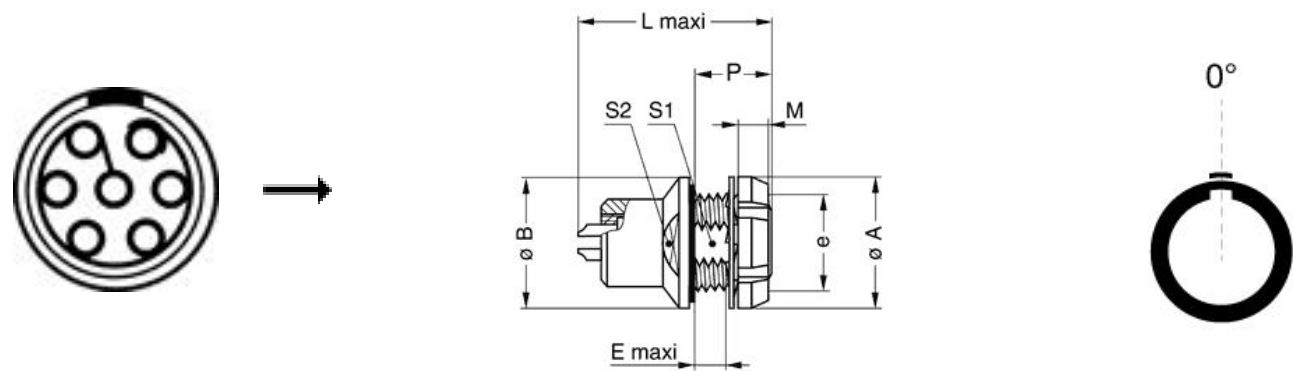
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Vtest (contact-shell): 700 V (AC), 990 V (DC)  
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

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



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	

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Tools

Spanner wrench: [Socket for torque wrench DCM.05.M09.4](#)

Cables

CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			
7041	PVC	Grey	
7050	PVC	Black	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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