

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

Series 1S  
Termination type Coupler/adaptor/bridge  
IP rating 68  
AWG wire size 32.00 - 24.00  
Cable Ø 0.00 - 0.00 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model SWH\*: Fixed coupler, nut fixing, watertight or vacuum-tight  
Keying Hermaphroditic keying, pin 1 female on flange side, male on other side  
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  
Weight 19.45 g

### Performance

Configuration 1S.306 : 6 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 7 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.03in)  
Vtest: 1500 V (AC), 2100 V (DC)

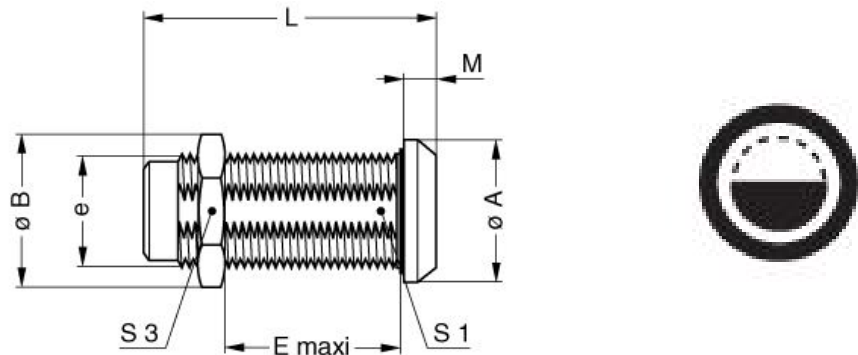
### Others

Endurance (Shell): 5000 mating cycles

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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]  
 Climatological 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	S1	S3	e
mm.	17	16	28	39	2.5	10.5	14	M12x1.0
in.	0,67	0,63	1,10	1,54	0,10	0,41	0,55	

## RECOMMENDED BY LEMO

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