

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                        |
|------------------|------------------------|
| Series           | 1S                     |
| Termination type | Coupler/adaptor/bridge |
| IP rating        | 68                     |
| AWG wire size    | 30.00 - 22.00          |
| 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            | 19.49 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1S.304 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps                   |

### Specifications

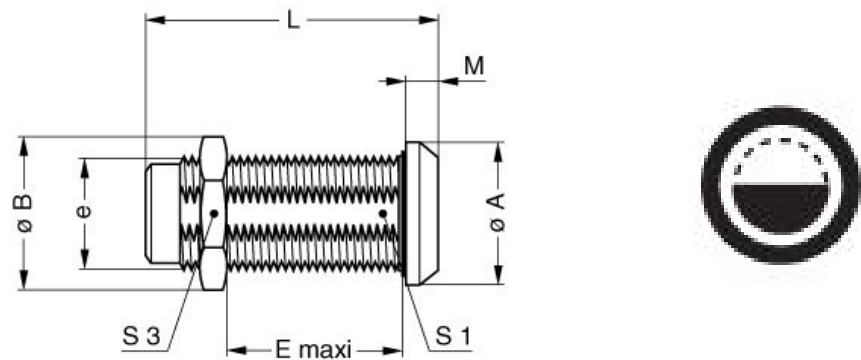
Contact Type: Solder  
Vtest: 1200 V (AC), 1800 V (DC)  
Air clearance min.: 1.1 mm  
Creepage distance min.: 1.1 mm

### Others

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Endurance (Shell): 5000 mating cycles  
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    | 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

### Tools

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