

## SUMMARY

### # Wires

Low voltage	6
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*Image is for illustrative purpose only*

Series	1B
Termination type	Male solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">HGG.1B.306.CLLP</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	YH*: Fixed plug, non-latching, nut fixing
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	P : Watertight
Weight	13.47 g

### Performance

Configuration	1B.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 (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Stranded Conductor:	0.34 mm <sup>2</sup> (AWG 22)
Max. Conductor:	0.34 mm <sup>2</sup> (AWG 22)
R (max):	6.1 mOhm

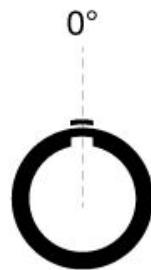
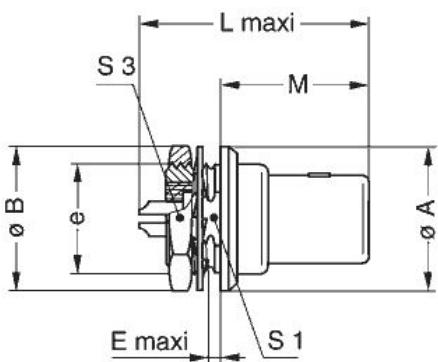
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Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

## 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)  
Salt Spray Corrosion: >1000 hr  
Pressure: 60 bars

## DRAWINGS



## Dimensions

	A	B	E	L	M	S1	S3	e
mm.	16	15.8	3.9	28	16.2	10.5	14	M12x1.0
in.	0,63	0,62	0,15	1,10	0,64	0,41	0,55	

## RECOMMENDED BY LEMO

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## Tools

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