

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 5

Series	1W
Termination type	Female solder
IP rating	68 when mated
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FVG.1W.305.CLAC50</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HV*: Fixed socket, nut fixing, vacuumtight
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 unmated
Weight	20.27 g

### Performance

Configuration	1W.305 : 5 Low Voltage
Insulator	
Rated Current	9 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm

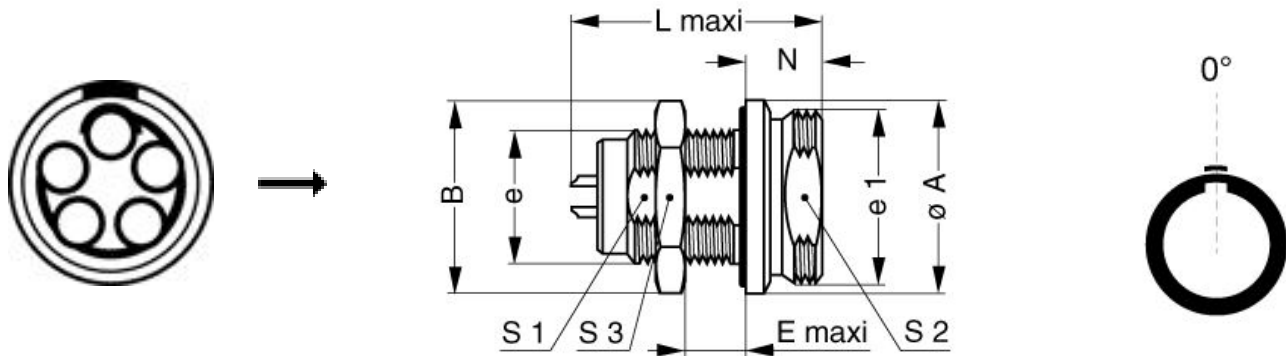
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Vtest (contact-contact): 1250 V (AC) 1800 V (DC)  
 Vtest (contact-shell): 1150 V (AC) 1600 V (DC)

## Others

Endurance (Shell): 1000 mating cycles  
 Temp (min / max): -20°C / +100°C  
 Humidity (max): ≤95% [at 60 deg C / 140 F]  
 Climatical Category: 20/200/21  
 Shielding (min): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 Salt Spray Corrosion: >1000 hr  
 Pressure: 60 bars

## DRAWINGS



## Dimensions









	A	B	E	L	N	S1	S2	S3	e	e1
mm.	18.3	19.5	11.5	30	8	12.5	14.5	17	M14x1.0	M16x1.0
in.	0,72	0,77	0,45	1,18	0,31	0,49	0,57	0,67		

## RECOMMENDED BY LEMO

### Tools

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## Cables

CMN.05.T22.051QGZE	TPR (medical)	Grey	
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T28.029PGZE		Grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
150250	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	
5050	PVC	Black	

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