

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	1W
Termination type	Male solder
IP rating	68 mated (mating interface)
AWG wire size	30.00 - 22.00
Cable Ø	3.60 - 4.00 mm
Status	Active
Matching parts	EVG.1W.304.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FV_/Z*: Straight plug, cable collet and nut for fitting a bend relief
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	Z : Nut for fitting a bend relief
Weight	31.22 g

Performance

Configuration	1W.304 : 4 Low Voltage
Insulator	
Rated Current	10 Amps

Specifications

Contact Type: Solder
 Contact Dia.: 0.9 mm (0.035in)
 Bucket Dia.: 0.8 mm (0.031in)
 Max. Solid Conductor: 0.34 mm² (AWG 22)
 Max. Stranded Conductor: 0.34 mm² (AWG 22)
 R (max): 4.8 mOhm

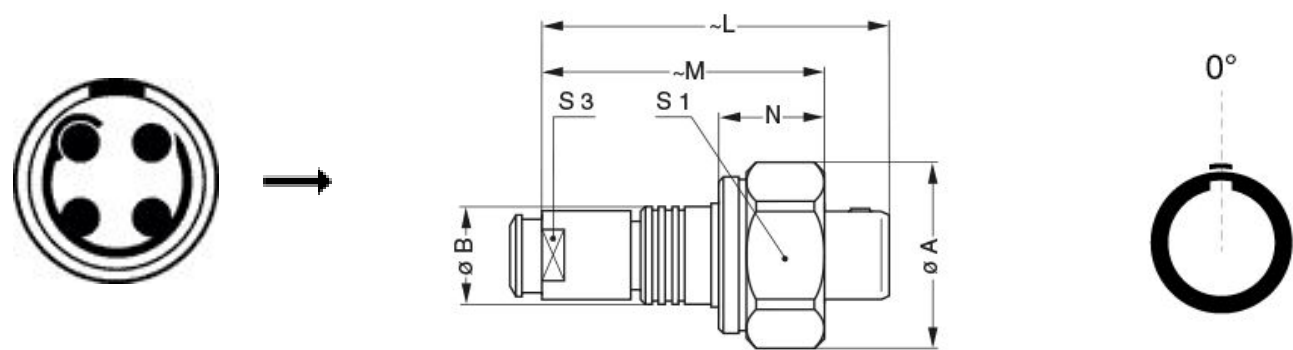
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Vtest (contact-contact): 1350 V (AC) 1900 V (DC)
Vtest (contact-shell): 1450 V (AC) 2100 V (DC)

Others

- Endurance (Shell): 1000 mating cycles
- Temp (min / max): -20°C / +200°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: 30 bars

DRAWINGS



Dimensions



	A	B	L	M	N	S1	S3
mm.	19.3	11	43.7	35.5	14	18	9
in.	0,76	0,43	1,72	1,40	0,55	0,71	0,35

RECOMMENDED BY LEMO

Tools

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Cables

40080	PVC	Black	
40086	PVC	Blue	
40140	PVC	Black	
40240	PTFE	White	

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