

SUMMARY

Wires

High voltage	1
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Image is for illustrative purpose only

Series	1S
Termination type	Female solder High-Voltage
IP rating	68
AWG wire size	28.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	FFA.1S.405.CTAC27

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	HGP*: Fixed receptacle, nut fixing, watertight or vacuum-tight
Keying	Circular, female
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	20.89 g

Performance

Configuration	1S.405 : 1 High Voltage
Insulator	T: PTFE
Rated Current	8 Amps

Specifications

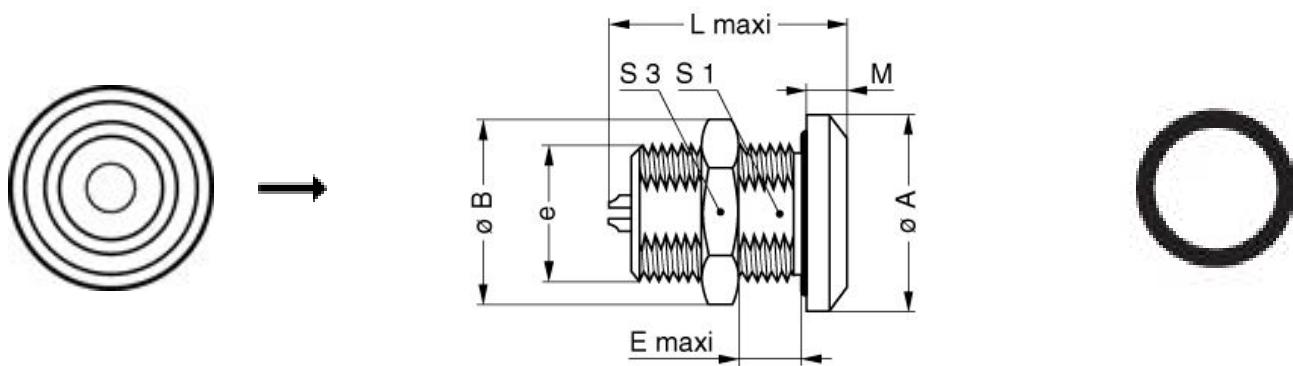
Contact Type:	Solder
Test voltage (kV DC)	10.5
Test voltage (kV AC)	7.5
Creepage distance min.:	10.5 mm

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.	20	19.2	15.5	25	4	12.5	17	M14x1.0
in.	0,79	0,76	0,61	0,98	0,16	0,49	0,67	

RECOMMENDED BY LEMO

Tools

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