

SUMMARY

Wires

High voltage 1



Image is for illustrative purpose only

Series	1S
Termination type	Female crimp High-Voltage
IP rating	68
AWG wire size	20.00 - 18.00
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	Circular, flange side: female contacts, other side: 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	PV : Watertight / Vacuum-tested
Weight	18.47 g

Performance

Configuration	1S.405 : 1 High Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	8 Amps

Specifications

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

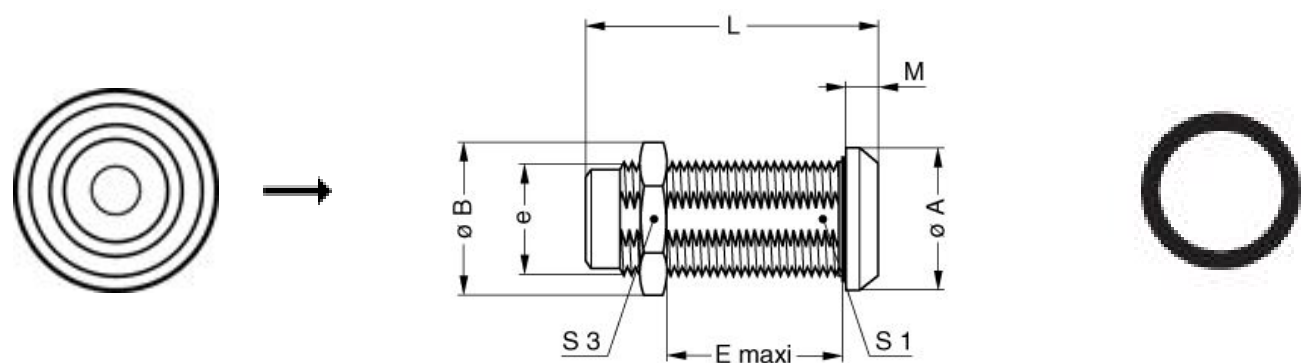
Others

Endurance (Shell): 5000 mating cycles

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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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