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ADMIRALTY SIGNAL ESTABLISHMENT

VALVE ELECTRONIC CV298

Specification AD/CV298/Issue 2	SECURITY SECURITY	
Dated 8.10.46.	Specn.	. Valve
To be read in conjunction with K1001	Restricted	Unclassified

	pole double vacuum swit Lass		MARKING See K1001/4. Additional Marking:- (See Note E)
RATII	₹ <mark>G</mark>	Note	BASE See Page 3.
Max. Voltage between any two Contacts (V)(RMS)	3000	A	
Max.Continuous Current (A)(RMS) Ambient Temperature	15	В	<u>DIMENSIONS</u> See Page 3.
Range (°C)	-40 to +100		- PACKINĞ
Pressure (gms) Recommended Contact	500		See K1001/7.
Pressure (gms)	75	C	

NOTES

- A. At sea level, 50% humidity.
- B. The life of the switch depends upon the interrupting rating, with a resistance load, as follows:-

V (RMS)	Current (A)	Operation (Total Life)	
3000	10	1000	
3000	3	100,000	
3000	1	1,000,000	

Notes continued overleaf ...

NOTES (Contd.)

- C. Applied at a distance of $2\frac{3}{8}$ from the flexible diaphragm; the pressure must be capable of closing the gap in either direction from any position.
- D. All metal parts of the valve must be smeared with vaseline after sand blasting.
- E. All valves shall be graded according to the measurement of contact gap at each 0.001" from 0.023" to 0.031" and the gap indicated by a marking on the switch and on the carton.

The contact gap is to be measured at a point $2\frac{3}{8}$ " distant from the flexible diaphragm.

TESTS
To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits Min. Max.	No. Test ed
a	Moving contact made alternately to each fixed contact, and a voltage of 6000 V. peak applied between each fixed contact and the moving contact.	There shall be no bre between the contacts appreciable glow dis due to remanent gas.	100%	
Ò	Moving contact to be made to each fixed contact alternately with a pressure of 75 grams applied at a point $2\frac{3}{6}$ " from the flexible diaphragm.	Contact resistance me between the point of pressure and the fle lead not to exceed milliohms with a cur to A. THE RESISTANCE MER BETHERN COMMON TERM AND EITHER FLEXIBLE IS NOT TO ERCEED &	explied exible 100 crent of exame a summer of the summer o	100%

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