

Specification MOA/CV295 Issue 5 dated 11th April, 1961 To be read in conjunction with K1001 ignoring clause:-5.2.	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

→ indicates a change

TYPE OF VALVE: Gas-filled protective spark-gap. BULB: Glass PROTOTYPE: VX4031	<u>MARKING</u> See K1001/4		
	<u>PACKING</u> See K1005		
	<u>BASE</u> I.O.		
<u>RATING</u>		Note	<u>TOP CAP</u> See K1001/AI/5.1 except that height may be 10.3 mms. min. to 11.9 mm. max.
Max. Breakdown Voltage (kV)	9.0	A	
Max. Mean Current (mA)	2.0	B	
Max. Peak Current (A)	50		
<u>NOTES</u> A: This rating shall apply under conditions of reduced pressure equivalent to 25.8 inches of mercury at 15°C. B: Averaged over a period of 3 seconds.	Pin	Electrode	
	1	Lower electrode	
	2	No connection	
	3	No connection	
	4	No connection	
	5	No connection	
	6	No connection	
	7	No connection	
	8	Lower electrode	
	T.C.	Upper electrode	
<u>DIMENSIONS</u> See K1001/AI/D1			
Dimension		Min.	Max.
B	(mm)	29.0	31.0
C	(mm)	-	35.0
L	(mm)	54.0	60.5
Length excluding top cap and base		11.0	-

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS	TEST	Limits		No. Tested	Note
			Min.	Max.		
a	Voltage pulses of 1 usec. duration and PRF 1000-1500 to be applied, having a slope of the voltage front near breakdown of 60-80 kV. per microsecond.	Breakdown Voltage (kV)	8.0	9.0	100%	1
b	The valve shall operate satisfactorily under conditions of reduced pressure equivalent to 25.8" of mercury at 15°C				T.A.	
<u>NOTE</u> 1. Test to be carried out after 7 day's shelf life.						