

ZVMD VACUUM ON LOAD TAP CHANGER

◎ Product Introduction

ZVMD On load tap changer is combined type vacuum innovative product. It's a high quality, high technology product from Guizhou Changzheng design basic of manufacturing technology and experience of tap changer during half a century.

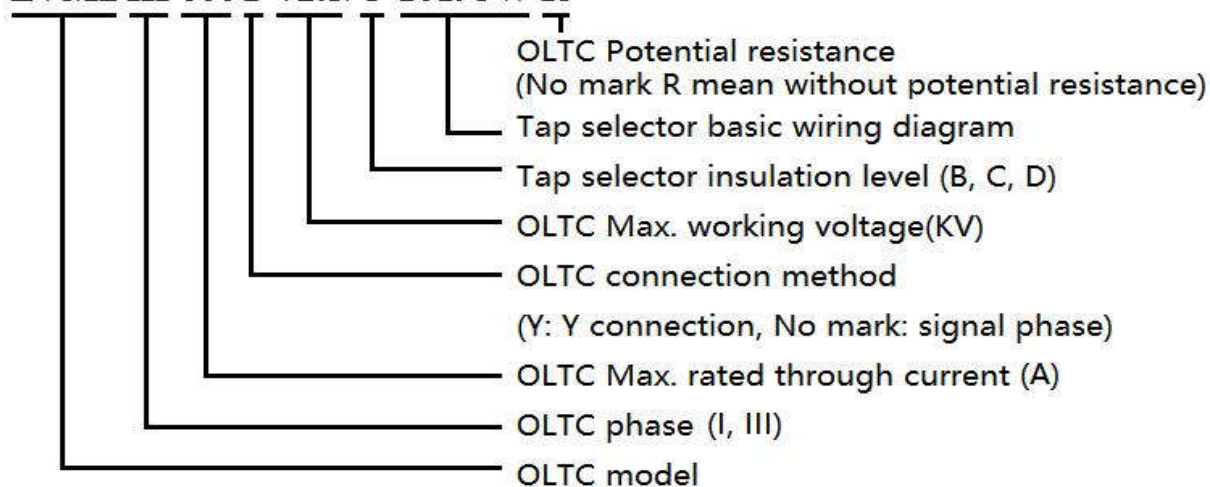
ZVMD combined type vacuum innovative on load tap changer applies to the power transformer or industrial transformer with Max. working voltage 72.5kV, 126kV, 170kV, 252kV, Max. rated through 3 phase 400A, 500A, 600A, 1000A, single phase 400A, 500A, 600A, 800A, 1200A, 1500A, rated frequency 50Hz or 60Hz to make voltage regulating under load. It applies to 3 phase Y connection neutral point voltage regulation, single phase any regulating.

This tap changer use integral type glass fiber reinforced epoxy extensively insulation tube so that its mechanical strength is higher, non-deformability is stronger, insulation performance is better, and more beautiful appearance.



◎ Model Description

ZVMDIII 600Y-72.5/C-10193W R



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Item	Specifications	III300	III500	III600	I301	I501	I601	I800	I1200	I1500	
1	Max.rated through current (A)	300	500	600	300	500	600	800	1200	1500	
2	Rated frequency (Hz)	50 or 60									
3	Phase & connection method	3 phase neutral point of Y connection Single phase for any connection model									
4	Max.rated step voltage (V)	3300									
5	Rated step capacity(kVA)	1000	1400	1500	1000	1400	1500	2640	3100	3500	
6	Withstand short circuit capacity (kA)	Thermal (3s)	6	8	8	6	8	8	16	24	24
		Dynamic (peak)	15	20	20	15	20	20	40	60	60
7	Operating positions	Linear regulating: 7,10,12,14,16,18,22,34 Reversing regulating: $\pm 3 \sim \pm 17$									
8	Insulation level of tap changer (kV)	Rated voltage	35	66	110	150	220				
		Max. service voltage	40.5	72.5	126	170	252				
		Power frequency withstand voltage (50Hz, 1min)	48	140	230	325	460				
		Rated lightning impulse withstand voltage (1.2/50 μ s)	200	350	550	750	1050				
9	Tap selector	3 Grades of B,C,D according to insulation level									
10	Mechanical life	≥ 1000000 times									
11	Electrical life	≥ 200000 times									
12	Diverter switch Oil chamber	Work pressure	3×10^4 Pa								
		Sealing performance	No leakage under 6×10^4 Pa for 24 hours								
		Overpressure protection	Blasting cap blast at $(4 \sim 5) \times 10^5$ Pa								
		Protection relay	QJ4-25 oil flow speed set at $1.0\text{m/s} \pm 10\%$								
13	Oil displacement (L)	About 191~350									
14	Oil filling capacity (L)	About 130~220									
15	Weight (KG)	About 250~330									
16	With motor driver mechanism	ZD/MAE/MA7B									

Note:

1. The stage capacity is equal to the product of the stage voltage and the load current, and the rated stage capacity is the maximum stage capacity allowed continuously.
2. When selecting the single-phase switch formed by the parallel connection of the three-phase tap switch contacts, the transformer coil shunt should be considered, ZVMDI800 two-way shunt, ZVMDI1200, I1500 three-way shunt.