

33KV 66KV 132KV 230KV M型有载分接开关 M TYPE ON-LOAD TAP-CHANGER



■ General

M type on-load tap-changer applies to power and rectifier transformer with high voltage for equipment 33 KV, 66 KV, 110 KV, 132KV, 150KV, maximum through current 300 A, 500A, 600A for three-phases and 300 A, 500 A, 600 A, 800A, 1200A, 1500A for single phase, frequency 50 Hz or 60 Hz by changing the tap connection position of regulation coil for the purpose of regulation voltage. The three-phase Y OLTC is used at neutral point regulation of the Y connection, three-phase D connection and single phase OLTC may be used for any connection.

M type OLTC is a combination OLTC, which consists of diverter switch and tap selector, have the features breaking capacity bigger, contact mechanical life long, operating reliability high, wide application range, especially the multiple linear voltage regulation and the multiple coarse-fine voltage regulation for the metallurgical chemical industry's transformer use that required wide regulation range.

■ Technical date of M type OLTC

Type	MIII300	MIII 500	MIII 600	M I 501	MI 601	M I 800	M I 1200	M I 1500	
Max rated through current(A)	300	500	600	500	600	800	1200	1500	
Rated frequency	50 or 60								
Connection	Y connection neutral point (three-phase)				Any connection (single phase)				
Max step voltage(V)	3300								
Max step capacity(KVA)	1000	1400	1500	1400	1980	2640	3100	3500	
Short-circuit strength (KA)	thermal (3s)	6.0	8.0	8.0	8.0	8.0	16	24	24
	dynamic (peak)	15	20	20	20	20	40	60	60
Number of service positions	Linear voltage regulation: 7、10、12、14、16、18、22、34 Direct and reverse/coarse and fine voltage regulation: ±9、±11、±13、±15、±17 also can according to user's requirement add: ±8、±10、±12、±14、±16、-20、+10								
Insulation level	Rated voltage(KV)	33		66	110	132	150	245	
	Highest voltage(KV)	40.5		72.5	126	145	170	252	
	Power frequency test(KV 50Hz 1 min)	85		140	230	270	325	460	
	BIL(KV 1.2/50 us)	200		350	550	650	750	1050	
Tap Selector	Divided into 4 sizes according to insulation level, number is A、B、C、D、								
Mechanical life	Over 800,000 times								
Electrical life	Over 200,000 times								
Oil compartment of diverter switch	Service pressure	0.03 Mpa							
	Test pressure	0.06 Mpa, no leakage for 24 hours							
	Protection of over voltage	0.4~0.5 Mpa							
	Protection relay	QJ4-25 setting oil flow velocity 1.0m/s ± 10%							
Oil displacement volume	about 190-270 L								
Oil filling volume	about 125-190 L								
Weight	about 240-350 kg								
Equipped with motor driving mechanism	MAE/MA7B								