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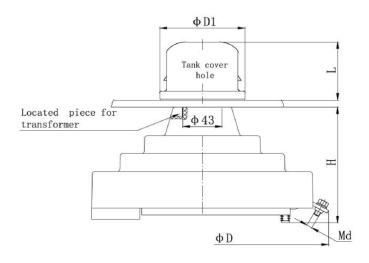
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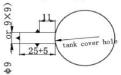


RANSFORMER ACCESSORIES

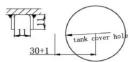
Used in mineral oil or silicon oil Rated voltage 10KV-35KV Rated current from 63A - 250A Tapping position:3-7 Regulation 2.5% per position



The transformer location welding assembling diagram of gap location



The transformer location welding assembling diagram of pin location

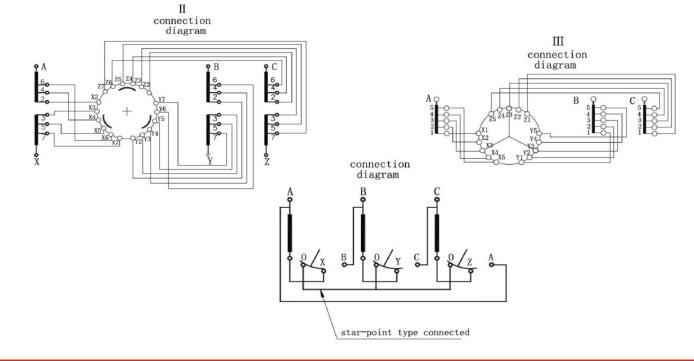


This welding position is 30^{+1} away from the hole center of the open hole

The transformer location welding assembling diagram of round pin location in case of tap changer model with D(double sealing)



This welding position is 30^{+1} away from the hole center of the open hole



11 113	A Rated	KV Rated	NO.of		Install dir	mm		
Model No.	Current	Voltae	phases	ФD1	L	Н	Md	фΕ
WSP III 163/10−3 × 3C	63			80	67	75	M6	110
WSP II 163/10−3×3CD	63		-	80	67	82	M6	110
WSP III 1125/10−3×3C	125			80	67	75	M8	120
WSP III 1125/10−3 × 3CD	125	10		80	67	82	M8	120
WSPⅢ 1250/10-3×3	250	10		80	67	94	M8	154
WSPⅢ 163/10-5×5	63			80	67	75	M6	163
WSPⅢ 1125/10-5×5	125	1		80	67			168
WSPⅢ 1250/10-5×5	250	1		80	67			206
WSP III 163/10−7×7	63			80	67			215
WSPⅢ 1125/10-7×7	125	1		80	67			215
WSPII 163/20-3×3	63		_	80	67	95		110
WSPⅢ 1125/20-3×3	125	20		80	67	95	1001000	120
WSP III 163/35−3×3	63			80	67		M6	135
WSPⅢ 1125/35-3×3	125			80	67			135
WSPII 163/35−5×5	63	35		105	75			200
WSPⅢ 1125/35-5×5	125	1		105	75		100000000000000000000000000000000000000	200
WSP II 163/10-4×3	63		3	80	67			162
WSP II 1125/10-4×3	125			80	67			165
WSP II 1250/10-4×3	250			80	67			165
WSP II 163/10-6×5	63			80	67	100000		192
WSP II 1125/10-6×5	125	10		80	67			196
WSP II 1250/10-6×5	250			80	67			280
WSPIV163/10-3×2 (Y-△)	63	-		80	67			162
WSPIV1125/10−3×2 (Y-△)	125	f		80	67			165
WSPIV 1250/10−3×2 (Y-△)	250	1		80	67			165
WSP II 163/20−4×3	63			80	67			173
WSP II 1125/20-4×3	125	20		80	67	_		177
WSP II 163/20-6×5	63			80	67		3000000	232
WSP II 1125/20-6×5	125	1		80	67			236
WSP II 163/35-4×3	63			80	67			225
WSP II 1125/35-4×3	125	1		80	67			22
WSP II 1250/35-4×3	250			80	67	2000	1000000	225
WSP II 163/35-6×5	63	35		105	75			278
WSP II 1125/35-6×5	125			105	75			278
WSP II 1250/35-6×5	250	1		105	75			278
WDP II 163/10-4×3	63			80	67		1000000	110
WDP II 1125/10-4×3	125	1		80	67			120
WDP II 163/10-6×5	63	10		80	67	404.00		110
WDP II 1125/10-6×5	125	1		80	67			120
WDP II 163/35-4 × 3	63			80	67	-		176
WDP II 163/35-6×5	63	1		80	67			176
WDP II 163/35 -8×7	63	Ť.		80	67		77.77	176
WDP II 163/35-10×9	63	1	1	80	67			176
WDP II 1125/35-4×3	125			80	67			176
WDP II 1125/35-6×5	125	35		80	67			176
WDP II 1125/35-8×7	125	33		80	67			176
WDP II 1125/35-8 × / WDP II 1125/35-10 × 9	125	1		80	67		Md M6 M6 M8	176
WDP II 1250/35-4×3	250	1		80	67			176
WDP II 1250/35-6×5	250	†		80	67		_	176
WDP II 1250/35-8×7	250	1	10 NO.of phases 10 10 20 35 3 3	80	67	- 10000		176
WDP II 1250/35-8×/ WDP II 1250/35-10×9	250	1		80	67	H	1000000	176
*WSP II 163 / 10−8×7	63			105	75			277
#WSP II 163 / 10−8 × 7 #WSP II 1125 / 10−8 × 7	125	10	3	105	75		_	281

* WSP II 1 63/10-8×7与WSP II 1 125. Tank cover hole of WSP II 1 63/10-8×7 and WSP II 1 125/10-8×7 is $\Phi61$

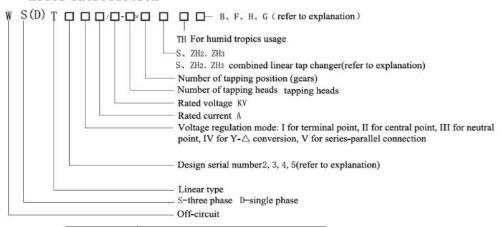




Product Introduction

This kind of switch applies to the single-phase, three phase, combination oil-immersed transformer electrical power with frequency of 50HZ, for a voltage of 10KV, 35KV, rated current of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of $30A \sim 500A$; the voltage-regulating mode are: central content of 30Apart, terminal point neutral point, which canbe directly fixed on the tank cover of the transformer, exchange under the off-circuit condition.

Model Introduction



Design serial number	Explanation
2	Add "S" to model No.: 1. Tank cover hole Ø21. 2. Operation system is hand wheel.
3	 Tank cover hole Ø43. Thickness of insulation rod is 10mm
4	Tank cover hole Ø37.
5	Tank cover hole Ø61. Rated current is above 400A.

ZH2:

Off-circuit three phase combined linear tap changer (combined two units) (for example): WSTIV63/10-6 × 5ZH2

This model is composed of one WST II 63/10-6X5 and one WST IV 63/10-3X2 with two operation systems.

ZH3:

Off-circuit three phase combined linear tap changer (combined three units)

(for example): WSTV63 / 20-6 x 5 ZH3

This model is composed of one WST V 63/20-5X2 and two WST II 63/20-6X5 with two operation systems. This model is composed of one WST V 63/20-5X2 and two WST II 63/20-6X5 with two operation systems.

- ---Linear tap changer with operation system of plate tap changer
- ---Reverse installation linear tap changer
- ---Linear tap changer with guard plate
- --- Tap changer used in dry type transformer





Technical Data

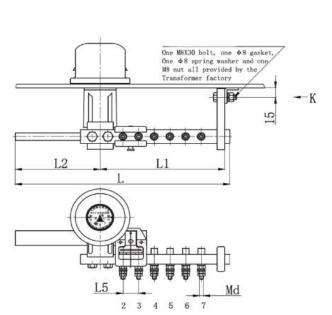
	Specificatons	WST 30	WST 63	WST 125	WST 250	WST 400	WST 500		
	Phase number			thr	ee-phases				
	Connection mode	Centr	al point([I)Neutral P	oint (III) Te	rminal Poir	nt(I)		
	Rated through current(A)	30	63	125	250	400	500		
Short-circuit	Heat stableness current(KA/2s)	0.7	1.6	2. 5	3. 75	4	5		
capacity	Dynamic stableness current(KA)	1.8	4	6. 25	9. 375	10	12. 5		
(Hz)	Rated frequency	50~60							
	(KV) Rated Voltage	10	KV	20	KV	38	5KV		
Insulation level(KV)	Power-frequency withstand Voltage (50Hz / 1min)	42	KV	55	KV	95	5KV		
Tevel(KA)	(1.2/50μs) Impulse (1.2/50μs)	75	iKV	12	5KV	25	OKV		
	Sealing Performance (KPa/24h)			6	0				
	Machine life(Thousands of times)			- 1	2				

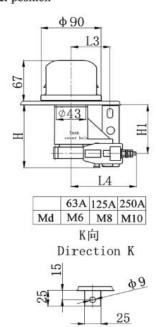
- (1) The tap changer of 30A current applies to the tank cover thickness of $3\sim6\,\mathrm{mm}$
- (2) The tap changer of 63A current applies to the tank cover thickness of $5 \sim 8 \, \text{mm}$
- (3) The tap changer of 125A current applies to the tank cover thickness of $6\sim10$ mm
- (4) The tap changer of 250A current applies to the tank cover thickness of 8 ~ 12mm
- (5) Model No. with D stands for double-sealed structural switch (Means there is a sealing ring mounted on and under the tank cover)
- (6) Height below tank cover can be adjusted according to request





Used in mineral oil or silicon oil Rated voltage 10KV-35KV Rated currentfrom 63A-250A Tapping position: 3-7 Regulation 2.5% per position





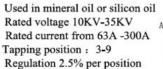


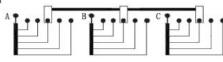
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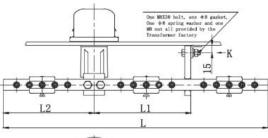
		Regulating			mn	Inst	all dim	ension		
	Model No.	position	L	L1	L2	L3	L4	L5	Н	H1
1	WDT II 63/10-4×3		270	147	113	67	99	24	100	78
2	WDT [[125/10-4×3		290	162	118	67	107	29	100	78
3	WDT II 250/10-4×3		290	162	118	67	112	29	100	78
4	WDT II 63/35-4×3		338	215	114	67	103	24	120	98
5	WDT ∐ 125/35-4×3		380	228	128	67	107	34	120	98
6	WDT II 250/35-4×3		380	228	128	67	112	34	120	98
7	WDT II 63/10-6×5	Central	366	195	161	67	99	24	100	78
8	WDT II 125/10-6×5		405	221	175	67	107	29	100	78
9	WDT <u>II</u> 250/10-6×5		405	221	175	67	112	29	100	78
10	WDT ∏ 63/35-6×5		441	266	166	67	103	24	1.20	98
11	WDT II 125/35-6×5		516	296	196	67	107	34	120	98
12	WDT II 250/35-6×5		516	296	196	67	112	34	120	98
13	WDT ∐63/10-8×7		462	239	209	78	110	24	100	78
14	WDT II 125/10−8×7		528	279	239	78	118	29	1.00	78
15	WDT 250/10-8×7		528	279	239	78	123	29	100	78
16	WDT II 63/35-8×7		532	314	209	78	114	24	120	98
17	WDT II 125/35-8×7		588	329	234	78	123	29	120	98
18	WDT II 250/35-8×7		588	329	234	78	128	29	120	98

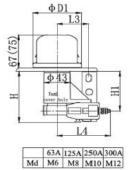


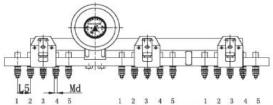














K向

		B				mm	Install	dimensi	on		
	Model No.	Regulating position	L	LI	L2	L3	L4	L5	Н	H1	ФД
1	WSTⅢ63/10-3×3		362	139	122	59	99	24	100	78	
2	WSTⅢ125/10-3×3	Ī	394	149	133	59	107	29	100	78	
3	WSTIII250/10-3×3	1	394	149	133	59	112	29	100	78	
4	WSTIII63/20-3×3	Ī	362	139	122	59	99	24	120	98	
5	WSTⅢ125/20 - 3×3	1	394	149	133	59	107	29	120	98	90
6	WSTIII250/20-3×3	Ī	446	169	144	59	112	34	120	98	8
7	WSTIII63/35-3×3	7	362	139	122	59	103	24	140	118	
8	WSTIII125/35-3×3	Ī	424	159	143	59	107	34	140	118	
9	WSTⅢ250/35-3×3	Neutral point	424	159	143	59	112	34	140	118	
10	WSTIII63/10-5×5		506	187	170	59	99	24	100	78	
11	WSTIII125/10-5×5	7	568	207	191	59	107	29	100	78	
12	WSTIII250/10-5×5		568	207	191	59	112	29	100	78	
13	WSTIII300/10-5×5		628	227	211	69	112	34	106	78	105
14	WSTIII63/20-5×5		506	187	170	59	100	24	120	98	
15	WSTⅢ125/20-5×5		568	207	191	59	107	29	120	98	
16	WSTIII250/20-5×5		628	227	211	59	112	34	120	98	
17	WSTIII63/35-5×5		506	187	170	59	103	24	140	118	
18	WSTⅢ125/35-5×5		628	227	211	59	107	34	140	118	
19	WSTⅢ250/35-5×5		628	227	211	59	112	34	140	118	90
20	WSTⅢ63/10-7×7		650	235	218	70	110	24	100	78	
21	WSTIII125/10-7×7	1	742	265	249	70	118	29	100	78	
22	WSTIII250/10-7×7		742	265	249	77.5	123	29	100	78	
23	WSTⅢ63/10-9×9		796	283	267	70	110	24	100	78	



Off circuit linear tap-changer

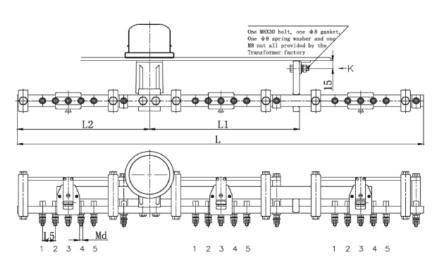


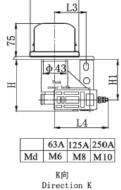
Used in mineral oil or silicon oil Rated voltage10KV-35KV Rated current from 63A -250A Tapping position: 3-7 Regulation 2.5% per position











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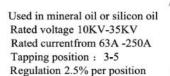
		Regulating				mm	Install d	imension	n mm	
1.	Model No.	position	L	L1	L2	L3	L4	L5	Н	H1
1	WST I 63/10-3×3		617	232	199	59	99	24	100	78
2	WST I 125/10-3×3		665	248	215	59	107	29	100	78
3	WST I 250/10-3×3		665	248	215	59	112	29	100	78
4	WST I 63/35-3×3		686	266	211	59	103	24	120	98
5	WST I 125/35-3×3		735	284	228	59	107	34	120	98
6	WST I 250/35-3×3		735	284	228	59	112	34	120	98
7	WST I 63/10-5×5		760	280	247	59	99	24	100	78
8	WST I 125/10 - 5×5	4,00 0.00	839	306	273	59	107	29	100	78
9	WST I 250/10-5×5	Terminal point	839	306	273	59	112	29	100	78
10	WST I 63/35-5×5		830	314	259	59	103	24	120	98
11	WST I 125/35-5×5T		939	346	296	-	107	34	120	98
12	WST I 250/35-5×5T		939	346	296	-	112	34	120	98
13	WST I 63/10-7×7		912	331	300	70	110	24	100	78
14	WST I 125/10-7×7T		1048	375	336		118	29	100	78
15	WST I 250/10-7×7T		1048	375	336		118	29	100	78

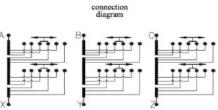


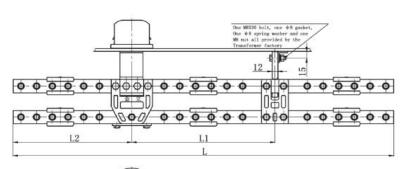


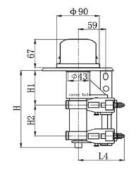
OFF-CIRCUIT COMBINATION LINEAR TYPE(ZH2) THREE PHASE TAP CHANGER

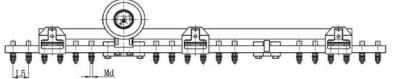












	63A	125A	250A	300A
Md	M6	M8	M10	M12

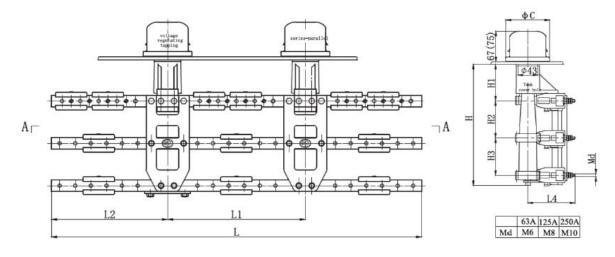


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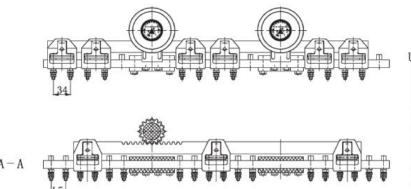
		Domilatina					Install d	imension	n mm	
	Model No.	Regulating position	L	Ll	L2	L4	L5	Н	H1	H2
1	WST II 63/10-4×3ZH2		450	174	145	99	24	180	78	70
2	WST II 125/10-4×3ZH2		519	201	172	107	29	180	78	70
3	WST II 250/10-4×3ZH2		519	201	172	112	29	180	78	70
4	WST II 300/10-4×3TZH2		620	242	189	112	34	185	78	70
5	WST II 63/35-4×3ZH2		486	194	145	103	24	210	98	80
6	WST II 125/35-4×3ZH2		571	222	177	107	29	210	98	80
7	WST II 250/35-4×3ZH2	Central	571	222	177	112	29	210	98	80
8	WST II 63/10-6×5ZH2		594	222	193	99	24	180	78	70
9	WST II 125/10-6×5ZH2		693	259	230	107	29	180	78	70
10	WST II 250/10-6×5ZH2		693	259	230	112	29	180	78	70
11	WST II 300/10-6×5TZH2		824	310	257	112	34	185	78	70
12	WST II 63/35-6×5ZH2		630	240	195	103	24	210	98	80
13	WST II 125/35-6×5ZH2		745	280	235	107	29	210	98	80
14	WST II 250/35-6×5ZH2		745	280	235	112	29	210	98	80

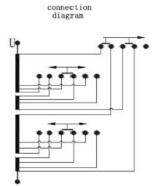


Used in mineral oil or silicon oil Rated voltage 20 KV Rated current from 63 A - 250 A Tapping position: 3-5 Regulation 2.5% per position

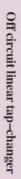






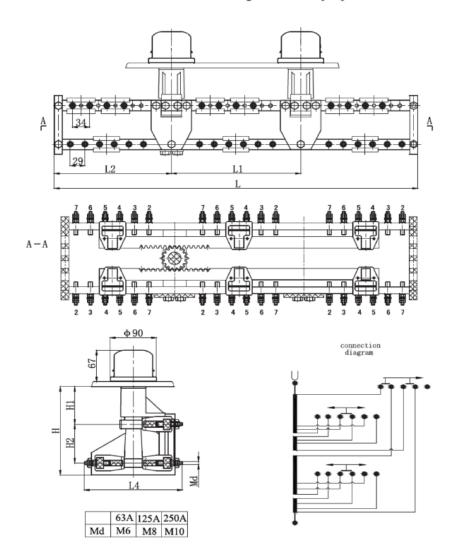


		Regulating	Install dimension mm										
	Model No.	position	L	LI	L2	L4	L5	Н	H1	H2	НЗ	ΦС	
1	WST V 63/20-4×3ZH3		688	256	216	99	29	230	78	70	60	90	
2	WST V 125/20-4×3ZH3		688	256	216	107	29	275	78	80	80	90	
3	WST V 250/20-4×3ZH3	Series-parallel	766	284	241	112	34	275	78	80	80	105	
4	WST V 63/20-6×5ZH3	Central	688	256	216	99	29	230	78	70	60	90	
5	WST V 125/20-6×5H3		688	256	216	107	29	275	78	80	80	90	
6	WST V 250/20-6×5ZH3		766	284	241	112	34	275	78	80	80	105	





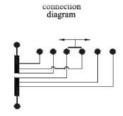
Used in mineral oil or silicon oil Rated voltage 20KV Rated current from 63A -125A Tapping position: 3-5 Regulation 2.5% per position

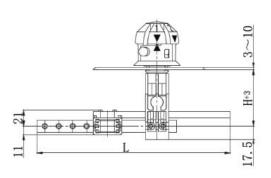


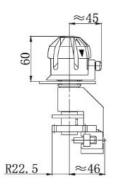
		Regulating	Install dimension mm									
	Model No.	position	L	L1	L2	L4	Н	H1	H2			
1	WST V 63/20-4×3ZH3		706	256	225	194	183	78	80			
2	WST V 125/20-4×3ZH3	Series-parallel	720	256	232	214	183	78	80			
3	WST V 63/20-6×5ZH3	Central	706	256	225	194	183	78	80			
4	WST V 125/20-6×5H3		720	256	232	214	183	78	80			

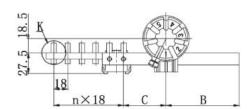


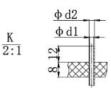
Used in mineral oil or silicon oil Rated voltage 10KV-24KV Rated current from 30A-63A Tapping position: 3-7 regulation 2.5% per position











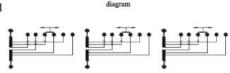


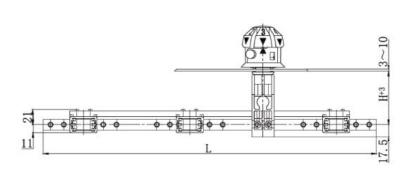
	Model NO.	L	В	С	n	Φd1	Φd2	Н	Tank cover hole(mm)
1	WDT II 2 30 / 10-4×3S	180.5	61.5	55	3	ф 3.1	ф5		
2	WDT II 2 63 / 10 - 4×3S	180.5	01.5	33	3	Ф 5.1	ф7		
3	WDT II 2 30 / 20~24-4×3S	180.5	61.5	55	3	ф 3.1	ф5		
4	WDT II 2 63 / 20~24-4×3S	180.5	61.5	33	3	Ф 5.1	ф7	200 er)	
5	WDT II 2 30 / 10-6×5S	240.5	94.5	55	5	ф 3.1	ф5), 130, 150, 20((Decided by user)	
6	WDT II 2 63 / 10-6×5S	249.5	94.3	33	,	Ф 5.1	φ7	130, ecided	ф 20.5 ^{+0.5}
7	WDT II 2 30 / 20~24-6×5S	249.5	94.5	55	5	ф 3.1	ф5	100, 1 (De	Ψ 20.5
8	WDT II 2 63 / 20~24-6×5S	249.5	94.5	33	3	Ф 5.1	φ7		
9	WDT II 2 30 / 10-8×7S	319.5	128.5	55	7	ф 3.1	ф5	H=70,	
10	WDT II 2 63 / 10-8×7S	319.3	128.3	33	_ ′	ф 5.1	ф7		
11	WDT II 2 30 / 20~24-8×7S	210.5	319.5 128.5		7	ф 3.1	ф5		
12	WDT II 2 63 / 20~24-8×7S	319.3				Ф 5.1	φ7		

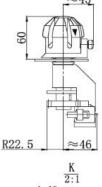
Off circuit linear tap-changer

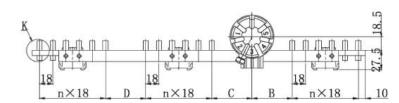


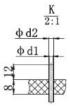
Used in mineral oil or silicon oil Rated voltage 10 KV-24 KV Rated current from 30 A -63 A Tapping position: 3-7 Regulation 2.5% per position



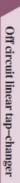






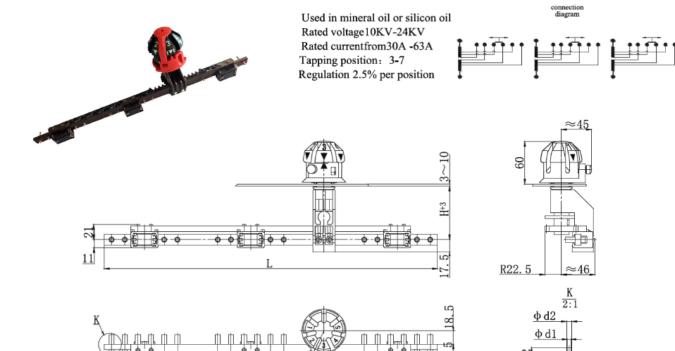


			4000				CONTRACTOR OF THE PARTY OF THE	Territoria de la compansión de la compan	100.00			
	Model NO.	L	В	С	D	n	ΦdI	Φd2	Н	Tank cover hole(mm)		
1	WST II 2 30 / 10-4×3S	2.45	55	55	55		Ф 3.1	ф5				
2	WST II 2 63 / 10-4×3S	347	33	33	33	3	Ф 5.1	Φ7				
3	WST II 2 30 / 20~24-4×3S	247	55	55	55	,	Ф3.1	ф5				
4	WST II 2 63 / 20~24-4×3S	347	33	33	33		ф 5.1	Φ7	, 200 user)			
5	WST II 2 30 / 10-6×5S	***		55	55		Ф 3.1	Ф5	150. by us			
6	WST II 2 63 / 10-6×5S	455	5 55	33	33		Ф 5.1	Φ7), 130, 150 (Decided by	ф 20.5+0.5		
7	WST II 2 30 / 20~24-6×5S	***		55	55	5	Ф 3.1	φ5	100, 1 (Dec	φ 20.5***		
8	WST II 2 63 / 20~24-6×5S	455	55	33	33		ф 5.1	Φ7				
9	WST II 2 30 / 10-8×7S	563	55	55	55		Ф 3.1	Φ5	H=70,			
10	WST II 2 63 / 10-8×7S		33	33	33		ф 5.1	Φ7				
11	WST II 2 30 / 20~24-8×7S			55		7	Ф 3.1	ψ5				
12	WST II 2 63 / 20~24-8×78	563	55	33	55		ф 5.1	Φ7	1			



OFF-CIRCUIT THREE PHASE LINEAR TAP CHANGER



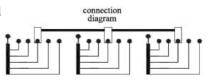


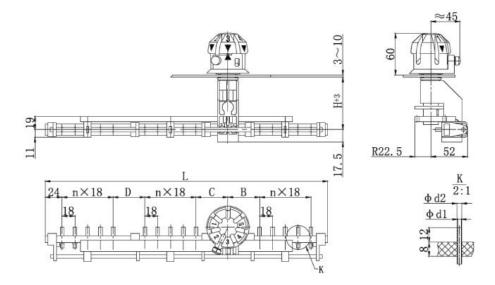
	Model NO.	L	В	С	D	n	Φd1	Φd2	Н	Tank cover hole(mm)	
1	WST II 2 30 / 10-4×3S	347	55	55	55		Ф 3.1	Ф5			
2	WST II 2 63 / 10-4×3S	347	33	33	33	3	ф 5.1	Φ7			
3	WST II 2 30 / 20~24-4×3S	347	55	55	55	,	Ф 3.1	ф5			
4	WST II 2 63 / 20~24-4×3S	347		33	33		ф 5.1	Ф7), 200 user)		
5	WST II 2 30 / 10-6×5S	455	55	55	55	- 5	Ф 3.1	ф5	150. by us		
6	WST II 2 63 / 10-6×5S	433	33		33		ф 5.1	Ф7), 130, 150 (Decided by	φ 20.5 ^{+0.5}	
7	WST II 2 30 / 20~24-6×5S	455	55	55	55		Ф 3.1	ф5	100, 1 (De	Ψ20.3	
8	WST II 2 63 / 20~24-6×5S	433	33	33	33		ф 5.1	Ф7			
9	WST II 2 30 / 10-8×7S	563	55	55	55		Ф 3.1	ф5	H=70,		
10	WST II 2 63 / 10-8×7S	303	33	33	33	,	Ф 5.1	Φ7			
11	WST II 2 30 / 20~24-8×7S	563	55	55	55	_ ′	Ф 3.1	ф5			
12	WST II 2 63 / 20~24-8×7S	363	33	33	33		Ф 5.1	Φ7			

 $n \times 18$



Used in mineral oil or silicon oil Rated voltage 10 KV-24 KV Rated current from 30 A - 63 A Tapping position: 3-7 Regulation 2.5% per position



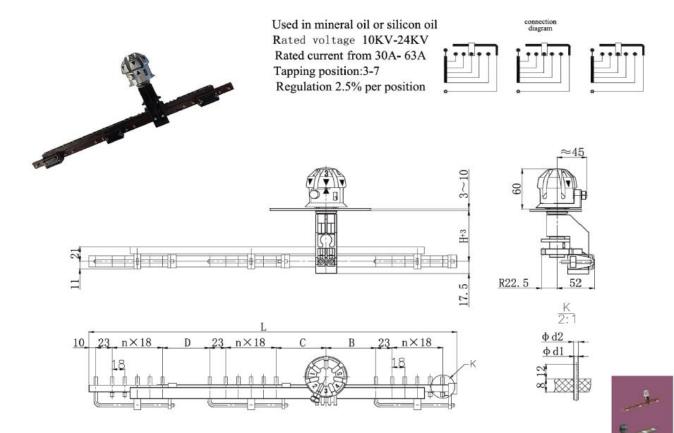




	Model NO.	L	В	С	D	n	φdl	ф d2	Н	Tank cover hole(mm)	
1	WSTIII2 30 / 10-3×3S		**				ф 3.1	φ5			
2	WSTIII2 63 / 10-3×3S	291	45	45	45		ф 5.1	ф7	1		
3	WSTIII2 30 / 20~24-3×3S					2	ф 3.1	Φ5			
4	WSTIII2 63 / 20~24-3×3S	291	1 45	45	45		φ 5.1	Φ7	200 er.)		
5	WSTIII2 30 / 10-5×5S	399	45				ф 3.1	φ5), 130, 150, 200 (Decided by user)		
6	WSTIII2 63 / 10-5×5S		43	45	45		Ф 5.1	φ7	130, scided	ф 20,5+0.5	
7	WSTIII2 30 / 20~24-5×5S	1000		22	-	4	Ф 3.1	ф5	100, 1 (Dec	\$20.3	
8	WSTIII2 63 / 20~24-5×5S	399	45	45	45		ф 5.1	φ7			
9	WSTIII2 30 / 10-7×7S	546	45	- 22	10/21		ф3.1	φ5	H=70.		
10	WSTIII2 63 / 10-7×7S	507	45	45	45	6	Ф 5.1	Φ7	1		
11	WSTIII2 30 / 20~24-7×7S			734	45	6	ф3.1	ф5	1		
12	WSTIII2 63 / 20~24-7×78		45	45	45		Ф.5.1	ф7			



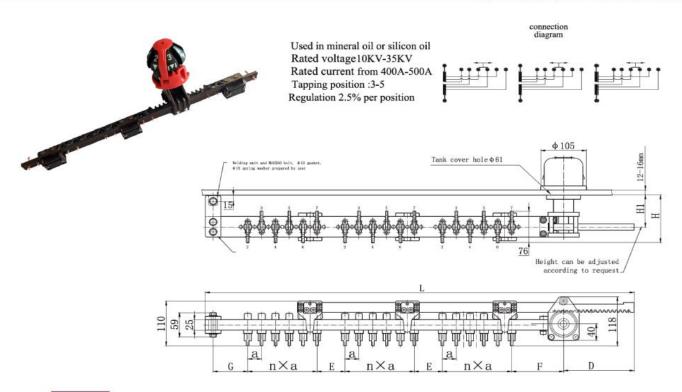




	Model No		В		Ð	n	0.01	0.02		Tank cover hotermum
1	WST I 2 30 / 10-3×3S	402	71	71	71		Ф 3.1	ф5		
2	WST I 2 63 / 10-3×3S	423	71	71	71	2	Ф 5.1	φ7		
3	WST I 2 30 / 20~24-3×3S	423	71 71	71	71	- 4	Ф 3.1	ф5		
4	WST I 2 63 / 20~24-3×3S	423	71	/1	- 71		ф 5.1	ф7	200 er)	
5	WST I 2 30 / 10-5×5S	621	71	71	71		Ф 3.1	ф5), 130, 150, 200 (Decided by user)	
6	WST I 2 63 / 10-5×5S	531	71	/1	71	4	Ф 5.1	φ7	30, sided	Ф 20.5*0.5
7	WST I 2 30 / 20~24-5×5S	621	71	71	71	1 4	ф 3.1	ф5	100、130、 (Decide	, V 20.3
8	WST I 2 63 / 20~24-5×5S	531	71	/1	71		Ф 5.1	φ7		
9	WST I 2 30 / 10-7×7S	(20)	71	71	71		ф3.1	ф5	H=70,	
10	WST I 2 63 / 10-7×7S	639	71	71.	71	- 6	Ф 5.1	ф7		
11	WST I 2 30 / 20~24-7×7S		71	71	71	0	Ф 3.1	Ф5		
12	WST I 2 63 / 20~24-7×7S		71	71	71		Φ 5.1	Ф7		

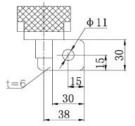
OFF-CIRCUIT THREE PHASE LINEAR TAP CHANGER

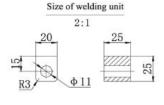










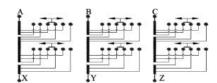


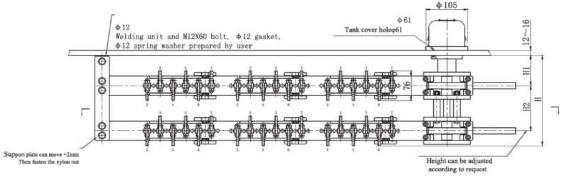
170000									
Model No	L	Е	F	G	a	n	D	H	H1
WST∐5 400~500 / 10-4×3	746	65	120	80	32	3	110	115	78
WST∐5 400~500 / 10 - 6×5	990	65	120	80	32	5	162	115	78
WST II 5 400~500 / 20-6×5	1191	80	155	100	38	5	188	156	118
WST II 5 400~500 / 35-4×3	1006	120	170	100	38	3	137	156	118
WST∐5 400~500 / 35-6×5	1286	120	170	100	38	5	188	156	118

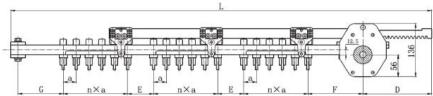
OFF-CIRCUIT COMBINATION LINEAR(ZH2) CHANGER



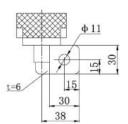
Used in mineral oil or silicon oil Rated voltage 10 KV-35 KV Rated current from 400A -500A Tapping position :3-5 Regulation 2.5% per position



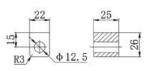




Size of connection terminal 2:1







Model No										
Model 110	L	Е	F	G	a	n	D	Н	H1	H2
WST II 5 400∼500 / 10 -4×3 ZH2	803	65	137	113	32	3	117	232	78	116
WST II 5 400∼500 / 10 -6×5 ZH2	1050	65	137	113	32	5	172	232	78	116
WST II 5 400∼500 / 35 -4×3 ZH2	1060	120	188	148	38	3	124	320	118	156
WST II 5 400∼500 / 35 −6×5 ZH2	1362	120	188	148	38	5	198	320	118	156



Off circuit linear tap-changer

OCTC Drawing: 24KV 30A 5POS 3PH L=100 MM

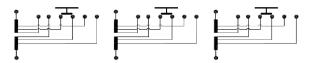


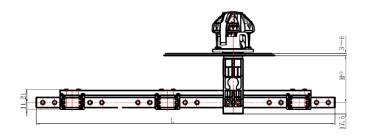
THREE-PHASE TAP CHANGER

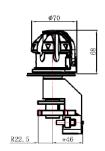
- off-circuit operation
- used in mineral oil or silicon oil
- 10KV-35KV
- from 30A to 63A
- from 5 positions
- regulation 2.5% per position
- operating material is engineering plastics

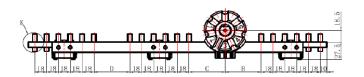
Rated Voltage KV	Power-frequ	ency withstand Vo	oltage 1min KV
	To earth	Inter phase	Inter contact
10	42	42	18
$20 \sim 24$	55	55	20
30~35	70	70	25

Skeleton Diagram of Voltage Regulating











Type of tap changer	L	В	С	D	Ød1	Ød2	Н	Holes on tank cover(mm)
24KV 30A 5POS 3PH L=100MM	455	55	55	55	Ø3.1	Ø5	H=100 . (Designed by user)	Ø20.5 ^{+0.5}





TRANSFORMER ACCESSORIES

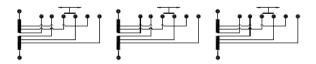
THREE-PHASE TAP CHANGER

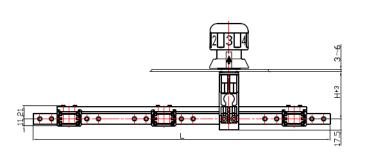
off-circuit operation used in mineral oil or silicon oil 63A, 20KV, 5 positions (aluminum handwheel) regulation 2.5% per position

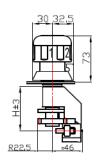
material of operation is Aluminum alloy used for	'n
outdoor transformer	

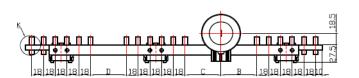
	Power-frequ	uency withstand V	oltage 1min KV
Rated Voltage KV	To earth	Inter phase	Inter contact
10KV	42	42	18
20KV	55	55	20
30KV	70	70	25

Skeleton Diagram of Voltage Regulating











Type of tap changer	L	В	С	D	Ød1	Ød2	Н	Holes on tank cover(mm)
24KV 63A 5POS 3PH L=70MM	455	55	55	55	Ø5.1	Ø7	H=70、 (Designed by user)	Ø20.5 ^{+0.5}





	TRAN	SFOR	MER	ACCES	SORIES
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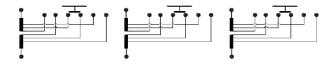
Rated Voltage KV	Power-frequency withstand Voltage Imin KV						
nacea volvage av	To earth	Interphase	Inter contactor				
30~36	70	70	25				

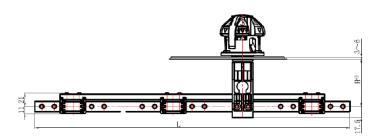
THREE-PHASE TAP CHANGER

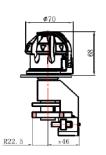
- -off-circuit operation
- -used in mineral oil or silicon oil -30KV-36KV
- -30A
- -5 positions
- -regulation 2.5% per position

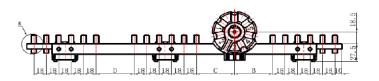
-operating material is engineering plastics







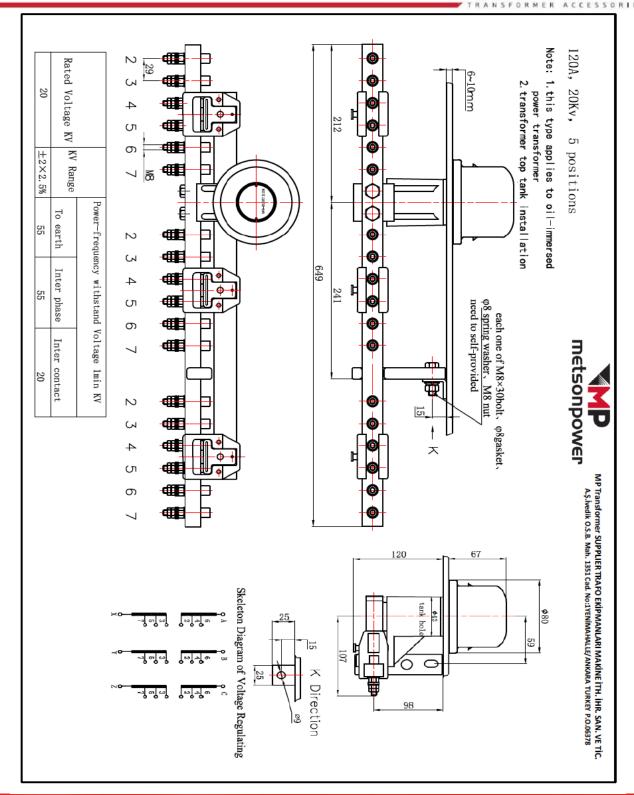






Type of tap changer	L	В	С	D	Ød1	Ød2	Н	Holes on tank cover(mm)
30KV 30A 5POS 3PH L=70MM	530	80	80	80	Ø3.1	Ø5	70	Ø20.5 ^{+0.5}





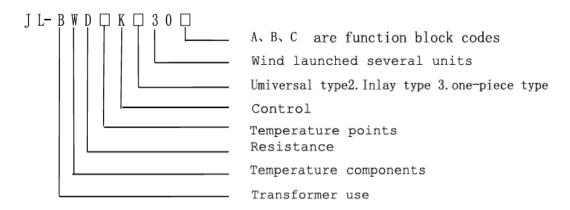
Dry type transformer temperature control instrument



The Temperature Control Instrument of JL-BLD series transformer belongs to the new generalion of intelligent-type of product, specially designed for the safe operation of the dry-type of transformer, it adopts the new type of soft ware anti-interference design, and can make corresponding judge according to the condition of the rising temperature of the transformer to control turning on or turening off the cooling wind machine to reduce the transflrmer temperature and improve the transformer load ablity. It also can have a warning function when there happens something special, it is essential, it is essential auxiliary equipment for the dry-type transformer to operate safely.

This temperature controller has the display of the temperature of therr-phase roving/Top-phase and can make the mutual swith of the two functions; input the open circuit and fault self-check, display and output overtemperature alarm, the functions of indicating value compensation and storage, the automatic/manual control of the on-off of the blowe, ober-temperature trip display and output,blowe's timing start amd output function check. For the blowe to control the active output can directly parallel 6 onephase blowers, and can provide RS485/232 serial communication function(communication distance 1200m)according to the requirement of the user, the environment temperature of the macheine room of roadl and control output, or the temperature measure of iron core of the transformer of poadl and alarm output.

Type



Main function block

A:3-phase travel/max.phase temperature display and both shift reciprocally; input open loop amd default self-detective desplay and output; over temperature alarm display and output; value compensation and "bladk box" function. Ventilator automatic/manual ON/OFF control; over temperature trip display and output; Ventilator timer ON and output function detection; Ventilator control axtive of output can directly connect with 6 single phase centilator.

B: RS485/232 ;

B:RS485/232serial communication function(communication distance 1200m);

C := 4-20 mA

C:3-phase synchronous 4-20mA analog current independen output;

The screen adopt LED, which shows temperature of three phase winding separately.

Universal type

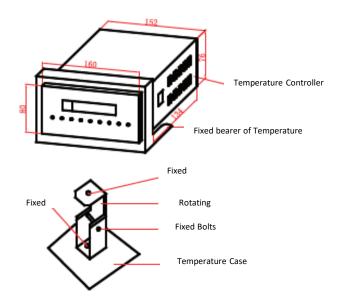
(External dimension) : $80 \times 160 \times 145$

(Bore dimension) : 77×153

(Application): medium and small dry-type ransformer

Dry type transformer temperature control instrument

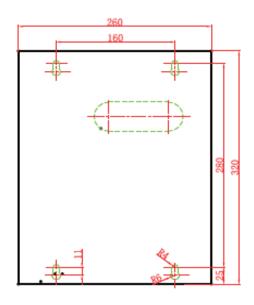


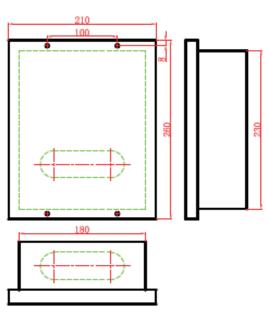


One-piece type

External dimension: 320 x 260 x65

Application: Large and medium dry-type transformer





Inlay type

External dimension : 210 x 260 mm Bore dimension : 185 x 235 x 70 mm

Application: Large and medium dry-type transformer





RANSFORMER ACCESSORIES

Our Promising About the Quality

Our company promises that we will provide products of good quality to customers and satisfy all requirements from customers. The details are as follow;

- 1. Our products will meet the relevant standards of nation and line of business, the requirement in drawing submitted by buyer and technological documents, which will not be changed by us, any change should be agreed by buyer in written form.
- 2. If our products do not meet the standards of nation or the requirement submitted by buyer, the buyer has the right to refuse to accept the products or return the products to us.
- 3. The guarantee period is one year from the day when the products are sold. In the guarantee period, we provide three guarantees. If the quality problem is caused by the producing reasons of our company, we will burden the expense on returning the products, exchanging the products.
- 4. In the guarantee period, if the quality Problem of the products is caused by the producing reasons of our company and the products should be repaired at working field, we will send person to repair them. The repair persons will arrive at the working field within 48 hours, and the cost will be on our company. We will burden the loss to the buyer too.
- 5. If the quality problem happens out of the guarantee period, or caused by improper operation and the products should repaired at working field, we can send person to repair them. The repair persons will arrive at the working field within 48 hours, but we will charge some breakeven cost in accordance with the practical situation.

Order rubes

- 1. When ordering the non-excitation tap changers, please provide the needed type, name, code specification, quantity of the product, date of delivery, wiring area(square), length, outgoing lines number, dimension of open hole and height of paper roll.
- 2. If the insulating requirement is not given, we shall supply the goods according to the stipulation in GB10230.1-2007 《Non-excitation Tap changer》.
- 3. When ordering the load tap changer, please provide:
- a) Capacity of Transformer (KVA), Number of Tapping places
- b) Rated Voltage (KV) Rated current (A)
- c) Method of Voltage Regulation (Neutral point, Central, Terminal);
- d) Range of voltage Regulation (±2.5%, ±5%);
- e) Length of Cable wire (Giving 15m for the switch, if wanting to lengthen, please give an explanation)

If ordering the tap changer for a special use, please provide: the related technical parameter, including type, name of transformer, rated voltage, capacity, grade voltage, range of voltage Regulation, wring method, mounting method and the related connecting diagram etc., for us to design specially and ensure the quality and delivery period.

Every Customer is Welcome to Come Ordering

Our company gravely gives our customers the promise: Quality first, Customer Supreme, Non unqualified product is allowed to leave the factory. If there is any problem in quality in the products left the factory, we guarantee to exchange, we seek to live on relying on quality and seek to develop depending on variety. Our company will advance together with vast customers hand in hand with our first rate service.