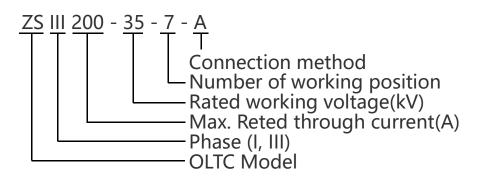
ZS ON LOAD TAP CHANGER

Product Introduction

The ZS series on-load tap changer is suitable for the tap connection of oil-immersed power transformers or industrial transformers with rated voltages of 10kV, 35kV, maximum rated through currents of 100A, 200A, 400A, and rated frequency of 50Hz to change the voltage regulating coil under load The position changes the transformation ratio to achieve the purpose of improving power quality.

The on-load tap-changer is equipped with YK-3A and YK-4A controllers to realize manual, automatic and remote control of the on-load tap-changer.

Model Description



Note 1: Pressure regulation method:

(Neutral point linear regulation, without neutral point output)

- DA (Delta connection linear regulation)
- A1 (Neutral point linear regulation, with neutral point output)
- B (Middle bridge)
- X1, X2 (for arc suppression coil)

Note 2: The simple OLTC has the following models:

 100A neutral point voltage regulation: 200A neutral point voltage regulation: 200A jumper voltage regulation: 400A jumper voltage regulation: 200A corner wiring voltage regulation: 100A corner wiring voltage regulation: 200A jumper voltage regulation: 200A jumper voltage regulation: 200A jumper voltage regulation: 200A jumper voltage regulation: 	ZSIII100-10-9-A ZSIII200-35-7-A ZSIII200-35-9-B ZSIII400-35-7-B ZSIII200-9-35-DA ZSIII100-10-9-DA ZSIII200-35-7-B ZSIII400-35-7-A ZSIII200-7-35-DA
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S 10kV Technical Data

ltem			Model	ZSIII100-A	ZSIII20	0-A	ZSIII	100-X2	ZSIII100-X1		
1	Ma	x.rated through	current (A)	100	200		100		100		
2	Rat	ed frequency (H	lz)	50 or 60							
3	Pha	ise		3	3	3		1	1		
4	Cor	nnection metho	d	Y/D	Y		Arbitrary		Arbitrary		
5	Wit	hstand short	circuit Thermal (3s)	2	4	4		2	2		
5	cap	acity (kA)	Dynamic (peak)	50	10	10		5	5		
6		x.rated step vol ⁻		300	300	300		1000	600		
7	Ma	x. working posit	9	9	9		9	11, 14			
	>	Rated voltage		10							
	× ·	Max. service vo	ltage	12							
	nsulation leve	Impulse withsta	and voltage (1.2/50µs)	75	75	7	5	75	75		
8		Power	To the ground	35	35	3	5	34	35		
		frequency	Interphase	18	35	18	8	-	-		
		withstand voltage	Max and min taps	18	18	18	8	35	25		
		un (lns	Ins	(50Hz, 1min)	Between adjacent contacts	18	18	18	8	30
9											
10	Eleo	ctrical life		> 50000 times							
11	Sealing test Work pressure Test pressure		Work pressure	0.03MPa							
11				No leakage under 0.08 MPa for 24 hours							
12	We	ight (without oi	l) kg	50	80		35		60		
13	Wit	h automatic co	ntroller	YK-4A							

Note: ZSIII100 is a single-resistance transition method, which is only used for transformers with the same power direction. It is not suitable for connecting transformers. The tap position of tap changer "1" must be connected to the tap with the most turns of the transformer coil.

S 35kV Technical Data

Item	Model				III200-A	III200-B	III200-DA	I100-X1	I200-X1		
1	Max	.rated throu	gh curre	nt (A)	100	200	200	100	100		
2		ed frequency					50 or 60	I			
3	Phase				3	3	3	1	1		
4	Connection method				Y(Neutral point)	Y/D (Bridge)	Y/D	Arbitrary	Arbitrary		
5	Withstand short circuitThermal (3s)capacity (kA)Dynamic (peak)				4	4	4	2	4		
					10	10	10	5	10		
6	Max.rated step voltage (V)				10	600		500			
7	Мах		king positions			9	10	11, 14	14		
		Rated voltage				35					
		Max. service			40.5						
		To the		withstand voltage 1.2/50µs							
	Insulation level kV	ground	50Hz, 1		200						
		Interphase	Impulse	withstand voltage 1.2/50µs	85		-	35			
8			Power f 50Hz, 1	requency withstand voltage min	200 -			-			
		Between max & min tap	Impulse	withstand voltage 1.2/50µs	45		25		18		
				requency withstand voltage	105		-		-		
		Between	Impulse	withstand voltage 1.2/50µs	10		18		18		
		adjacent contacts	Power frequency withstand voltage 50Hz, 1min		30		-		-		
9	Med	hanical life	•		> 500000 times						
10	Elec	trical life	-		> 50000 times						
	Sealing test			0.03MPa							
11					No leakage under 0.08 MPa for 24 hours						
''	Jean	ing test		essure protection	Blasting cap blast at 300KPa ±20%						
				on relay	oil flow speed set at 1.0m/s±10%						
		ght (without				150		60			
13	Witl	With automatic controller YK-3A									