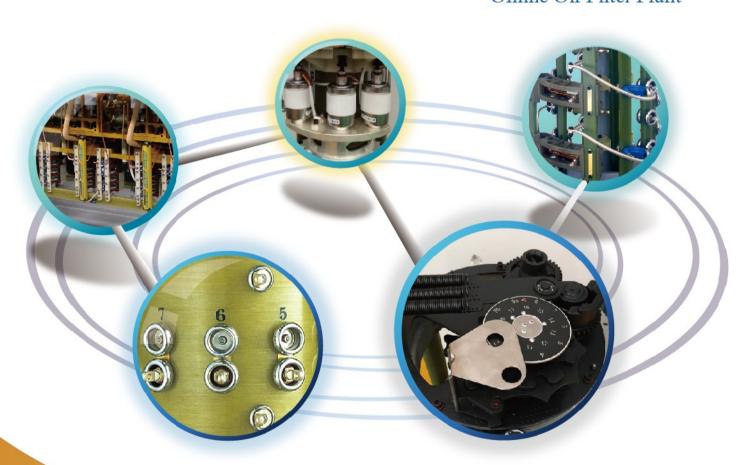


PRODUCTS RANGE

On-Load Tap Changer
De-Energized Tap Changer
Motor Driver Unit
Online Oil Filter Plant



Conventional Oil Type On-Load Tap Changers



CM OLTC

OLTC Type	(M
Phase	III or II	I
Max. rated through current lum up to (A)	600	1500
Short circuit current test (kA) Thermal (3S)	8	24
Dynamic (Peak)	20	60
Max. rated step voltage U _{im} (V)	3300	3300
Rated step capacity P _{stn} (kVA)	1500	3500
The highest voltage for equipment Um up to (kV)	252	252
Max. operation positions		
Without change-over selector	18	18
With change-over selector	35	35

CM OLTC with Multiple Coarse & Fine Regulation

OLTC Type	CM Multiple Coarse & Fine regulation	
Phase	III	I
Max. rated through current I _{um} up to (A)	600	1500
Short circuit current test (kA)		
Thermal (3S)	8	24
Dynamic (Peak)	20	60
Max. rated step voltage U _{im} (V)	3300	3300
Rated step capacity P _{stn} (kVA)	1500	3500
The highest voltage for equipment U_m up to (kV)	252	252
Max. operation positions		107





Conventional Oil Type On-Load Tap Changers



CMD OLTC

	MD
III	I
1000	2400
12	24 60
4000	4000
3000	5600
252	252
18 35	18 35
	1II 1000 12 30 4000 3000 252

CV & SV OLTC

OLTC Type	CV &	SV
Phase	III	I
Max. rated through current I _{um} up to (A)	500	700
Short circuit current test (kA)		
Thermal (3S)	7	10
Dynamic (Peak)	17.5	25
Max. rated step voltage U _{im} (V)	1500	1500
Rated step capacity P _{stn} (kVA)	525	660
The highest voltage for equipment Um up to (kV)	72.5	72.5
Max. operation positions		
Without change-over selector	14	14
With change-over selector	27	27



Vacuum On-Load Tap Changers For Oil Immersed Transformers



CM2 OLTC

OLTC Type	(CM2
Phase	III	1
Max. rated through current I _{um} up to (A)	600	1500
Short circuit current test (kA)		
Thermal (3S)	8	24
Dynamic (Peak)	20	60
Max. rated step voltage U _{im} (V)	3300	3300
Rated step capacity P _{stn} (kVA)	1500	3500
The highest voltage for equipment Um up to (kV)	252	252
Max. operation positions		
Without change-over selector	18	18
With change-over selector	35	35

SHZV OLTC

OLTC Type	SH	ZV
Phase	III	
Max. rated through current I _{um} up to (A)	1300	3000
Short circuit current test (kA)		73
Thermal (3S)	15	30
Dynamic (Peak)	37.5	70
Max. rated step voltage U _{im} (V)	4000	4000
Rated step capacity P _{stn} (kVA)	3300	6000
The highest voltage for equipment U_{m} up to (kV)	252	252
Max. operation positions		
Without change-over selector	36	36
With change-over selector	107	107





CV2 OLTC

OLTC Type		CV2
Phase	III	1
Max. rated through current lum up to (A)	500	500
Short circuit current test (kA) Thermal (3S)	7.5	7.5
Dynamic (Peak)	18.75	18.75
Max. rated step voltage U _{im} (V)	1500	1500
Rated step capacity P _{stn} (kVA)	525	525
The highest voltage for equipment U _m up to (kV)	145	145
Max. operation positions		
Without change-over selector	12	12
With change-over selector	23	23



Vacuum Tap Changer For Gas Insulated Transformers



OLTC Type	SHGV
Phase	III or I
Max. rated through current lumup to (A)	400
Short circuit current test (kA)	
Thermal (3S)	6
Dynamic (Peak)	15
Max. rated step voltage Uim (V)	4000
Rated step capacity Pstn	1200
The highest voltage for equipment Um up to (kV)	126
Max. operation positions	
With change-over selector	14
With change-over selector	27



On-Tank Resistive Vacuum Tap Changer



HWV OLTC

OLTC Type	HWV
Phase	III,
Max. rated through current lumup to (A)	1000
Short circuit current test (kA)	
Thermal (3S)	12
Dynamic (Peak)	30
Max. rated step voltage Uim (V)	3300
Rated step capacity Pstn	2600
The highest voltage for equipment Um up to (kV)	72.5
Max. operation positions	
With change-over selector	18
With change-over selector	35

Vacuum On-Load Tap Changers For Dry Type Transformers



CZ OLTC

OLTC Type	CZ
Phase	3xI
Max. rated through current lum up to (A)	500
Short circuit current test (kA) Thermal (3S)	5
Dynamic (Peak)	12.5
Max. rated step voltage U _{im} (V)	900
Rated step capacity P _{stn} (kVA)	250
The highest voltage for equipment Um up to (kV)	72.5
Max. operation positions Without change-over selector	17

CVT OLTC

OLTC Type	CVT
Phase	III
Max. rated through current lum up to (A)	200
Short circuit current test (kA)	
Thermal (3S)	4
Dynamic (Peak)	10
Max. rated step voltage U _{im} (V)	500
Rated step capacity P _{stn} (kVA)	80
The highest voltage for equipment Um up to (kV)	12
Max. operation positions	
Without change-over selector	9

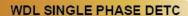


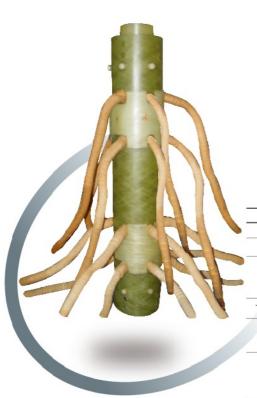


De-Energized Tap Changers

WSL THREE-PHASE DETC

DETC Type	WSL	WDL
Phase	III	1
Max. rated through current I _{um} up to (A)	4000	6000
Short circuit current test (kA)		
Thermal (3S)	40	60
Dynamic (Peak)	100	150
The highest voltage for equipment Um up to (k	(V) 363	363
Max. operation positions	11	11
	linear, sing	gle-bridging
Connection	double-bridg	ing, reversing
	star-delta, series-parallel	
	hand wh	eel on top
Operation mode n	nanual driving m	nechanism at side
	motor driving me	echanism at side









DETC Type	A TYPE		B TYPE	
	WDG	WLG	WSG	WDG
Phase	ı	II	III	1
Max. rated through current I _{um} up to (A)	2000	2000	1000	2000
Short circuit current test (kA) Thermal (3S) Dynamic (Peak)	20 50	20 50	12 30	20 50
The highest voltage for equipment Um up to (kV)	126	126	126	252
Max. operation positions Refer to technical data for details	2,5,7	2,5,7	5,7	5
Connection	linear,single-bridging double-bridging, reversing star-delta, series-parallel			linear single- bridging

Operation mode

manual operation on top or at side motor driving at side

WLG DETC (A TYPE)

Tap Changer Motor Drive Units And OLTC Online Oil Filter Plant



CMA7 Motor Drive Unit

Application	All type tap changers
Rated power	750W, 1,100W or 2,200 W
Rated voltage	All voltages DC&AC
Power Frequency	50Hz or 60Hz
Revolutions of drive shaft per switching operation	33
Type of controller	HMC-3C

SHM-D Motor Drive Unit

Application	All tap changers	
Rated power	750W	
Rated voltage	All voltages DC&AC	
Power Frequency	50Hz or 60Hz	
Revolutions of drive shaft per switching operation	33	
Type of controller	SHM-K	



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ZXJY-II OLTC Online Oil Filter Plant

Application	Online OLTC oil filtering
Rated power	370W
Rated voltage	380V/AC
Power Frequency	50Hz or 60Hz
Rated flow	9L/min
Filter core ccuracy	5μm

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