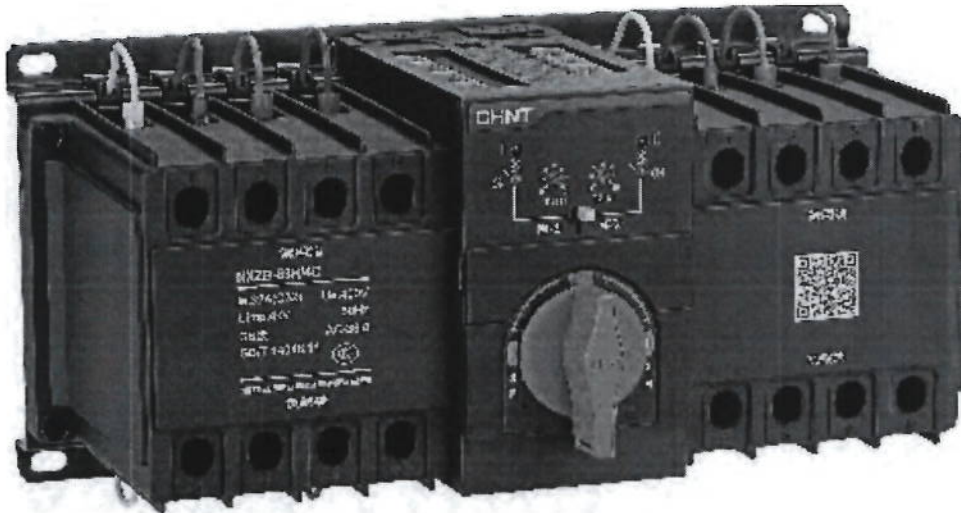


# ATS specification

100 Amps (Rated Current) and 160 Amps Crated Current) CHINT high quality completely wired motorized ATS along with Box, Timer and control phase with relays



## Scope of Application

NXZ(H)B/NXZ(H)M Series Automatic Transfer Switching Equipment is applicable to three-phase four-wire duplicate supply grid of AC 50/60Hz, rated voltage 400V/415V and can switch one or several load circuits from one power source to the other to ensure the normal power supply of the load circuit. Custom-tailor relevant product to be used in the environment of  $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$ ,

Comparison Table of Frame Current and Rated Current

Rated current (A)	10	16	25	32	40	50	63	80	100	125	160	180	200	225	250	315	320	350	400	500	630	700	800	
63																								
125																								
160																								
250																								
320																								
400																								
630																								
800																								



# Technical Parameters

Model	NXZHM-63	<u>NXZHM-125</u>	<u>NXZHM-160</u>	NXZHM-250	NXZHM-320	NXZHM-400	NXZHM-630	NXZHM-800
<b>Electrical characteristics</b>								
Execution body	NXHM-63	NXHM-125	NXHM-160	NXHM-250	NXHM-320	NXHM-400	NXHM-630	NXHM-800
Frame current (A)	63	125	160	250	320	400	630	800
Rated current (A)	10, 16, 25, 32, 40, 50, 63	63, 80, <u>100</u> , 125	125, <u>160</u>	160, 180, 200, 225, 250	160, 180, 200, 225, 250, 320	250, 315, 350, 400	400, 500, 630	630, 700, 800
Rated operational voltage Ue (V)	400/415 50Hz							
Rated insulation voltage Ui (V)	AC800	AC800	AC800	AC1000	AC1000	AC1000	AC1000	AC1000
Rated impulse voltage Uimp (kV)	8					12		
Utilization category	AC-33E							
Number of poles	3P, 4P	3P, <u>4P</u>	3P, <u>4P</u>	3P, 4P	3P, 4P	3P, 4P	3P, 4P	3P, 4P
Rated conditional short-circuit current Iq (kA)	100	100	100	100	100	100	100	100
Mechanical endurance (times)	10000	10000	8000	6000	6000	4000	4000	4000
Electrical endurance (times)	2000	2000	2000	2000	2000	1500	1500	1000
<b>Controller characteristics</b>								
Controller model	Controller model should be, B type (intelligent)							
Operating transfer (s)	2.8 × (1±10%)	2.8 × (1±10%)	3.3 × (1±10%)	3.3 × (1±10%)	3.3 × (1±10%)	3.5 × (1±10%)	3.5 × (1±10%)	4 × (1±10%)
Installation mode	Integrated, split							
Rated control power source voltage Us(V)	230/240 50Hz							
Control voltage range	85%~110%Ue							



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Table Of main Functions (model should be B type)

Function	Model	A type (standard)	B type (intelligent)
Manual/automatic transfer		■	■
<b>Main contact positions</b>			
Normal position		■	■
Alternative position		■	■
Off-position		■	■
<b>Automatic control</b>			
Normal supply of monitoring		■ Phase failure/loss of voltage, undervoltage, overvoltage fault	■ Phase failure/loss of voltage, undervoltage, overvoltage fault
Alternative supply of monitoring		■ Phase failure/loss of voltage, undervoltage, overvoltage fault	■ Phase failure/loss of voltage, undervoltage, overvoltage fault
Automatically transfer and restore operation		■	■
Automatically transfer and nonautomatically restore operation			■
Grid-grid		■	■
Grid-generator		-	■
Phase failure/loss of voltage transfer		■	■
Undervoltage transfer		■	■
Overvoltage transfer		■	■
Delay adjustable		■	■
Transfer delay		0s~180s adjustable	0s~180s adjustable
Return delay		0s~180s adjustable	0s~180s adjustable
Generator control		-	■
Fire control linkage		■	■
Fire control feedback		■	■
<b>Indication</b>			
Switching-on/switching-off/off-position		■	■
Normal/alternative supply indication		■	■
Parameter setting indication		■	■
Fault tripping indication		■	■
<b>Others</b>			
Communication function		Optional	Optional
Display module		■ LED	■ LED



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