#### Facade operation outside the switchgear







100-400A Boring dimension on the panel

630A Boring dimension on the panel

Specification						Over	all and	Mounti	ng Dime	ensions					
specification	А	В	С	D	E	F	Н	I	J	L	Μ	Ν	W	Р	К
160/3	165	162	36	120	142	67.5	190	5.5	115	205~325	8	19	21	36	126
160/4	202	162	36	120	142	67.5	190	5.5	115	205~325	8	19	21	36	126
250/3	240	195	60	160	166	91.5	210	5.5	145	205~325	10	19	21	60	126
250/4	300	195	60	160	166	91.5	210	5.5	145	205~325	10	19	21	60	126
400/3	280	205	66	170	176	122	210	5.5	145	205~325	10	25	21	66	126
400/4	346	205	66	170	176	122	210	5.5	145	205~325	10	25	21	66	126
630/3	346	300	250	250	268	39	350	ф9	190	330~440	12	72	37	80	190
630/4	426	300	250	250	268	39	350	ф9	190	330~440	12	72	37	80	190

#### Fuse-switch Disconnector



# NHRT40 Vertical Fuse-switch disconnector

### 1. General

#### 1.1 Application

NHRT40 series vertical fuse-switch disconnector is applicable in the circuit of rated voltage AC690V and below, rated current AC 160A-630A, rated frequency of 50Hz.

NHRT40 series are infrequently manually operated multipolar fuse combination switches, They break or switch off on load and provide safely isolation and protection against overcurrent for any voltage electrical circuit.

1.2 Standard: IEC 60947-3.

# 2. Type Designation

### <u>N HRT 40</u> - □/ □ □

Conventional thermal current Series No.	L: Three phases breaking and making simultaneously; Blank: independent operation phase to phase
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# 3. Structure and feature

3.1 Structure: The switch is consisted of underpan, base, cover, handle and shield.

3.2 NT series fuse link is installed in the cover to act as knife of active contact.

- 3.3 The handle moves fan-shapely based on the pivot of underpan, makes the cover and fuse make and break together, it is with enough space and remarkable disconnection point which meets the requirement of disconnector switch.
- 3.4 It is convenient to dismount the base and underpan, which is easy to mount the base to the busbar safely and reliably.

3.5 There is arc extinguisher on the underpan, which ensures breaking capacity of the switch.

### 4. Primary parameter

Conventional thermal c	urrent (A)	160	250	400	630			
Rated insulation voltage (V)		800						
	400V	160	250	400	630			
	AC20	100	2.50	400	050			
	400V	160	250	400	630			
	AC21	100	2.50	400	050			
	400V	160	250	400	630			
Rated current ( $\Delta$ )	AC22	100						
	690V	160	250	400	630			
	AC20	100	250	400	050			
	690V	100	200	215	125			
	AC21	100	200	616	425			
	690V	100	160	315	315			
	AC22	100	100					

Conventional thermal of	160	250	400	630		
	Model	00	1	2	3	
	400V Rated current of fuse	20, 25, 32, 35, 40, 50,	80, 100, 125, 160, 200, 224,	125, 160, 200, 224, 250, 315,	315, 355, 400, 425, 500, 630 ( ≥100kA)	
Specification of	(Breaking capactiy) A	63, 80, 100, 125, 160 ( ≥100kA)	250 ( ≥100kA)	355,400 ( ≥100kA)		
	690V Rated current of fuse (Breaking capactiy) A	20, 25, 32, 35, 40, 50, 63, 80, 100 ( ≥50kA)	80, 100, 125, 160, 200 ( ≥50kA)	125, 160, 200, 224, 250, 300, 315 ( ≥50kA)	315, 355, 400, 425 ( ≥50kA)	

# 5. Overall and Mounting Dimensions (mm)

NHRT40-160 Independent operation phase to phase



NHRT40-160 Simuitaneous operation of three phases





NHRT40-250, 400, 630 Independent operation phase to phase

NHRT40-250, 400, 630 Simuitaneous operation of three phases



Model	А	В	С	D	E	F
NHRT40-160 Independent operation phase to phase	650	49	150	230	185	
NHRT40-160 Simuitaneous operation of three phases	590	49	198	322	185	100
NHRT40-250, 400, 630 Independent operation phase to phase	764	99	195	300	185	
NHRT40-250, 400, 630 Simuitaneous operation of three phases	764	99	195	457	185	