

1. Datasheet



NH40 Switch Disconnect

1. General

1.1 Application

NH40 series Switch-disconnector is applicable for AC 50Hz, rated voltage AC 690V and below, rated current up to 3150A.

In the industrial enterprise power distribution equipment, it can be used to connect and disconnect the circuit and isolate the power supply frequently, especially the 125A~630A can be used as frequent connected and broken.

1.2 Standard: IEC/EN60947-3.



2. Type designation

2.1 Ordering information

N H 40 - □ / □ □ □ □ □ F K

K means terminals is wiring
buckle type(only for 16A~100A)

F means terminal protection type (only for 125A~250A)

II means miniature
(only for central operation
under 63A and side operation
under 100A)

T means the frame is transparent
(only for single-cast switch under
630A)

W means the handle is operated outside the cabinet.

Without W means the handle is operated inside the cabinet.

S means double-cast switch
Without S means double single-cast switch

C means front and side operation
Without C means front and central operation

3 means Three-pole, 31 means Three-pole contact with auxiliary contact opening and closing
4 means Four-pole, 41 means Four-pole contact with auxiliary contact opening and closing

Thermal current I_{th} (A)

Design Code

Indicating Disconnect

Company code

2.2 Technical data



Thermal current Ith(A)		16	32	40	63	80	100	125	160	200	250	315	400	630
Associated fuse rating(A)		16	32	40	63	80	100	125	160	200	250	315	400	630
Rated insulation voltage(V)Ui		1000												
Rated current(A)	400VAC21B	16	32	40	63	80	100	125	160	200	250	315	400	630
	400VAC22B	-	-	-	-	-	-	125	125	200	250	315	400	630
	400V AC23A	-	-	-	-	-	-	125	160	200	250	315	400	630
	690V AC21B	16	32	40	63	63	63	125	160	200	250	315	400	500
	690VAC22B	-	-	-	-	-	-	100	100	160	160	200	250	315
	690V AC23A	-	-	-	-	-	-	50	63	70	80	125	160	200
Operation force(N)		30~50						40~60				65~100		



Thermal current Ith(A)		1000	1250	1600	2000	2500	3150
Associated fuse rating(A)		1000	1250	2×800	2×1000	2×1250	
Rated insulation voltage(V)Ui		800					
Rated current(A)	400V AC23A	1000	1250	1600	2000	2500	3150
	690V AC21B	1000	1250	1600	2000	2500	3150
	690V AC22B	800	800	1000	1600	1600	2000
	690V AC23A	800	800	800	1000	1000	1250
Operation force(N)		200~300					

Mounting dimension of NH40 switch disconnector

Specification	NH40- □ NH40- □□ /W Overall and mounting dimensions (mm)																		
Current	A	B	C	D	E	F	Φ	J	H	K	G	P	R	S	U	M	V	Y	Z
125A/3	140	135	130	27	93	105	5.5	120	85	65	55	36	18	85	115	8	37	24	355~460
160A/3	140	135	130	27	93	105	5.5	120	85	65	55	36	20	85	115	8	38	24	355~460
125A/4	170	135	130	27	93	105	5.5	150	85	65	85	36	18	85	115	8	31	24	355~460
160A/4	170	135	130	27	93	105	5.5	150	85	65	85	36	20	85	115	8	32	24	355~460
200A/3	180	170	145	35	103	135	6.5	160	85	90	60	50	25	110	142	10	43	25	365~470
250A/3	180	170	145	35	103	135	6.5	160	85	90	60	50	25	110	142	10	43	25	365~470
200A/4	230	170	145	35	103	135	6.5	210	85	90	110	50	25	110	142	10	43	25	365~470
250A/4	230	170	145	35	103	135	6.5	210	85	90	110	50	25	110	142	10	43	25	365~470
315A/3	230	240	195	50	135	160	7	210	105	140	84	65	32	160	205	12	52	37	440~555
400A/3	230	240	195	50	135	160	7	210	105	140	84	65	35	160	205	12	53	37	440~555
630A/3	230	260	195	50	135	160	7	210	105	140	84	65	40	160	220	12	52	37	440~555
315A/4	290	240	195	50	135	160	7	270	105	140	144	65	32	160	205	12	47	37	440~555
400A/4	290	240	195	50	135	160	7	270	105	140	144	65	35	160	205	12	48	37	440~555
630A/4	290	260	195	50	135	160	7	270	105	140	144	65	40	160	220	12	47	37	440~555

2.3.3 Overall and mounting dimensions(1000A-1600A)

1000A~1600A with direct rotary handle

