

Fuse

YCHR17 Fuse-switch Disconnecter



General

YCHR17 series fuse-switch disconnecter is a new product developed by our company. Rated insulation voltage up to 800V, rated operational voltage up to 690V, rated operating current up to 630A, rated frequency 50Hz, in the distribution circuit and motor circuit which has high short-circuit current as the power switch, isolating switch, emergency switch as well as circuit protection, but normally it is not used to make and break a single motor directly.

Standard: IEC/EN 60947-3.

Technical data

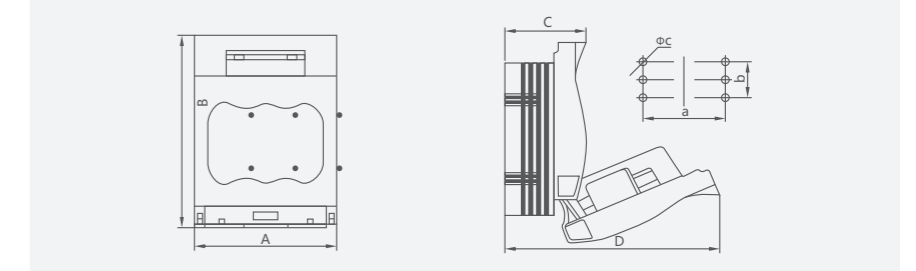
			40	63/100	160	250	400	630
Rated voltage (Ue)			660V a.c 380V a.c	660V a.c 380V a.c	660V a.c 380V a.c	660V a.c 380V a.c	660V a.c 380V a.c	660V a.c 380V a.c
Rated insulation voltage(Ui)			800V	800V	800V	800V	800V	800V
Rated impulse voltage strength (Uimp)			6kV	6kV	6kV	6kV	6kV	6kV
Rated current (Ie)	AC 380V	AC-21B	40A	63/100A	160A	250A	400A	630A
		AC-22B	40A	63/100A	160A	250A	400A	630A
		AC-23B	-	-	160A	250A	400A	630A
	AC 660V	AC-21B	-	-	160A	250A	400A	630A
		AC-22B	-	-	100A	160A	315A	425A
Rated short-circuit current			20kA (peak 105kA)	20kA (peak 105kA)	50kA (peak 105kA)	50kA (peak 105kA)	50kA (peak 105kA)	50kA (peak 105kA)

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Overall and mounting dimensions(mm)



Model	Poles	Overall (mm)				Installation (mm)		
		A	B	C	D	a	b	Φc
YCHR17-40	3P	76	116	76	150	42	/	Φ6
YCHR17-63	3P	105	116	76	150	62	/	Φ6
YCHR17-100	3P	105	116	76	150	62	25	Φ6
	4P	106	200	83	205	66	25	Φ7
YCHR17-160	3P	185	247	110	295	114	50	Φ11
	4P	242	247	110	295	172	50	Φ11
YCHR17-250	3P	210	290	125	340	130	50	Φ11
	4P	276	290	125	340	195	50	Φ11
YCHR17-400	3P	256	300	145	360	162	50	Φ11
	4P	340	300	145	360	243	50	Φ11

Matching relationship between switch and fuse

Conventional heating current Ith	Matching fuse size	Fuse rated current(A)
40A	Rt14	2, 4, 6, 8, 10, 12, 16, 20, 25, 32, 40
63A/100A	RT14	10, 12, 16, 20, 25, 32, 40, 50, 63
160A	NT100	10, 16, 25, 32, 40, 50, 63, 80, 100, 125, 160
250A	NT1	80, 100, 125, 160, 200, 225, 250
400A	NT2	125, 160, 200, 225, 250, 300, 315, 355, 400
630A	NT3	315, 355, 400, 425, 500, 630

Note: When the switch is used in the motor circuit, the rated current of the fuse is allowed to be greater than the rated working current of the switch