

NF-F Type No-Fuse Breaker External Appearance



NF30-FAU



NF50-FAU



NF50-FHU

NF-F Type No-Fuse Breaker Specifications

Type		No-Fuse Breaker					
Frame A		30		50		50	
Type Name		NF30-FAU		NF50-FAU		NF50-FHU	
Phase Wire System (Note 1)		-		-		-	
Number Of Contacts		2	3	2	3	2	3
Rated Current A		5 10 15 20 30		5 10 15 20 30 40 50		3 5 10 15 20 30 40 50	

Type				No-Fuse Breaker			
(Standard Ambient Temperature 40°C)		Rated Current For Motor Protection (Note 8)				2 4 6.3 8 16	0.3 0.4 0.6 0.8 1.2 1.4 2 2.5 4 7.1 8 12 16 25 32 45
Electrical Leakage Properties	High Speed Type	Rate Sensitivity Current $I \Delta n$ mA		-	-	-	
		Pickup Current UL1053		-	-	-	
		Maximum Operating Time s Or Less At 5I Δn (Note 2)		-	-	-	
Electrical Leakage Display Method				-	-	-	
Rated Short Circuit Breaking Capacity kA	UL 1077 CSA C22.2 No. 235	Rated Voltage	AC (V)	240	240	240	
			DC (V)	60	60	-	
		AC	240 V	2.5 (Note 3)	2.5 (Note 3)	5	
		DC	60 V	1.5	1.5	-	
	IEC 60947-2 EN 60947-2 (Icu/Ics)	Rated Insulation Voltage (V)		250	250	500	
		AC	400 V	-	-	1.5/1	
			230 V	2.5/1 (Note 4)	2.5/1 (Note 4)	5/2	
		DC	60 V	1.5/1	1.5/1	-	
	GB 14048.2 (Icu/Ics)	Rated Insulation Voltage (V)		250	250	500	
		AC	415 V	-	-	1.5/1	
			240 V	-	-	5/2	

Type			No-Fuse Breaker					
			230 V	2.5/1 (Note 4)		2.5/1 (Note 4)		-
		DC	60 V	1.5/1		1.5/1		-
	JIS C 8201-2-1 Ann.1 Ann.2 (Icu/Ics)	Rated Insulation Voltage (V)		250		250		500
		AC	415 V	-		-		1.5/1
			200 V	2.5/1 (Note 4)		2.5/1 (Note 4)		5/2
	DC	65 V	1.5/1		1.5/1		-	
	JIS C 8201-2-2 Ann.1 Ann.2 (Icu/Ics)	Rated Operating Voltage AC (V)		-		-		-
		AC	200 V	-		-		-
			100 V	-		-		-
	Rated Impulse Withstand Voltage Uimp (kV)			2.5		2.5		4
Current Type			AC/DC shared		AC/DC shared		AC	
Isolation Compliant			-		-		-	
Reverse Connections			-		-		-	
External Dimensions (mm)	a	40	60	40	60	50	75	
	b	72		72		96		
	c	57		57		60		
	ca	73.5		73.5		76		
Product Mass kg			0.14	0.2	0.16	0.22	0.25	0.37
Mounting Method	IEC 35 mm Rail		©(Standard support for mounting IEC 35 mm rail)		©(Standard support for mounting IEC 35 mm rail)		©(Standard support for mounting IEC 35 mm rail)	

Type		No-Fuse Breaker		
	Mounting Screw (Note 5)	Possible	Possible	Possible
	Front Plate Installation (Note 6)	Possible	Possible	-
Electrical Appliance And Material Safety Law		compliant	Compliant	Compliant
CE Mark		TÜV certification	TÜV certification	TÜV certification
CCC Certification		acquired	acquired	acquired
Overcurrent Tripping Method		Thermal	Thermal	Completely electromagnetic
Trip Button		-(Note 7)	-(Note 7)	-(Note 7)

Note 1: When using a 3-contact earth leakage breaker for 1 ø 2 W, do not use the center contact. Connect the left and right contacts. When using for 1 ø 3 W, connect the center contact to a neutral wire. (UL cannot use 1 ø 3 W.)

Note 2: 0.1 for UL1053.

Note 3: The rated breaking capacity is 1.5 kA for parts with 5 A rated current.

Note 4: The rated breaking capacity is 1.5/1 kA for parts with 5 A rated current.

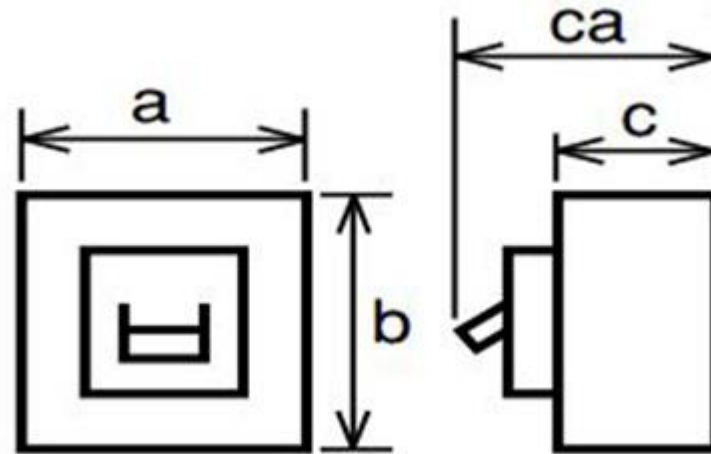
Note 5: The customer must provide the mounting screws. For details, please refer to the catalog.

Note 6: Can install surface plate without tightening nuts from the back. (The customer must provide the mounting screws M5 x 0.8 x 30) Here, terminal screws can be tightened from the back of the breaker.

Note 7: Only included when an alarm switch (AL) is attached. (Excludes NF30-FAU and NF50-FAU SHT+AL)

Note 8: For rated current for motor protection, only current sensitivities of 30 mA or 50 mA can be manufactured.

External Dimensions



Voltage Fluctuation Range

Rated Voltage	Applicable Circuit Voltage	Variable Voltage Range In Which Electrical Leakage Protection Function Can Operate
100-200 V	100/110/200/220 V	80 to 242 V
240 V (UL)	240 V	132 to 264 V
240 V (GB)	240 V	204 to 264 V
230 V	240 V	195 to 253 V