

UL Certified Circuit Breakers

NF50-FHU NF100-FHU NV50-FHU NV100-FHU



NF100-FHU

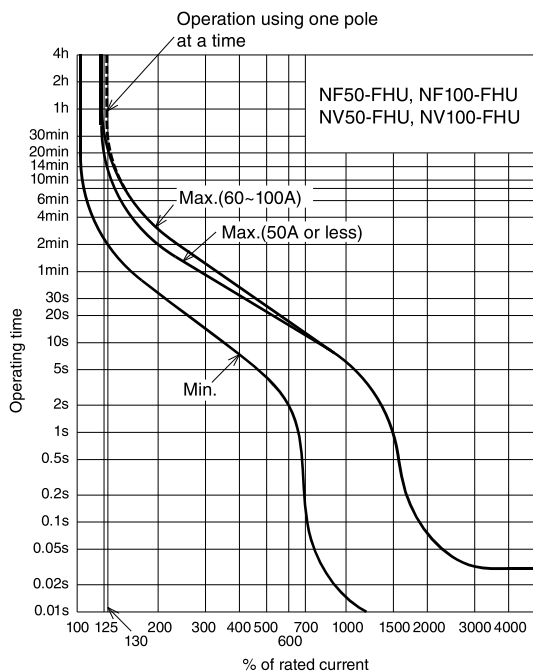


NV100-FHU

Model				NF50-FHU	NF100-FHU
Rated current I _n (A) Reference ambient temperature 40°C				3 5 10 15 20 30 40 50	60 75 100
Number of poles				2	3
Rated short-circuit breaking capacities (kA)	UL 1077 CSA 22.2 No.235	AC	240V	5	5
	Rated insulation voltage U _i (V)			500	
	IEC 60947-2 EN 60947-2 (Icu/Ics)	AC	400V 230V	1.5/1 5/2	— 5/2
Standard attached parts				IEC35 rail mounting claws	

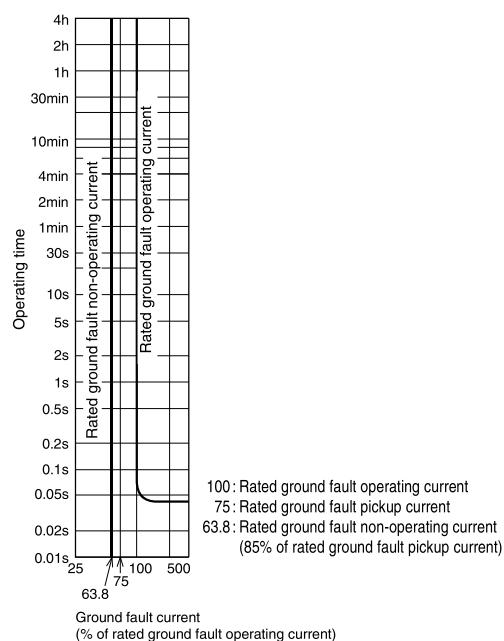
Model				NV50-FHU	NV100-FHU
Rated current I _n (A) Reference ambient temperature 40°C				5 10 15 20 30 40 50	60 75 100
Number of poles				2	3
Phase line				1φ2W	3φ3W 1φ2W 1φ3W
Rated current sensitivity (mA)				30 50 100	
Pick-up current sensitivity UL 1053				75% of I _{Δn}	
Operating time (sec) within at 5I _{Δn}				0.04 (at 5I _{Δn})	
Earth leakage protection characteristic				Type AC	
Earth leakage indication system				Mechanical type (button)	
Rated short-circuit breaking capacities (kA)	UL 1077 CSA 22.2 No.235	AC	240V	5	
	IEC 60947-2 EN 60947-2 (Icu/Ics)	AC	230V	5/2	
Standard attached parts				IEC35 rail mounting claws	

Operating Characteristics



Earth Leakage Tripping Characteristics

NV50-FHU, NV100-FHU (UL 1053)



Outline Drawing

Internal Accessories

Left-side mounting

Right-side mounting

Operating handle

● AL

○ AX

▨ SHT or UVT

▨ MG

→ Lead-wire direction

◀ EAL

▶ TBL

◀ TBM

▶ PAL

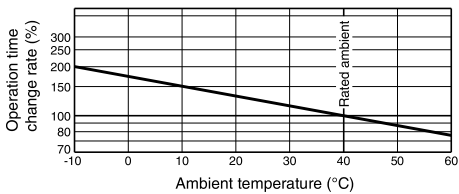
◀ ATU

Type	NF50-FHU (*1)		NF100-FHU (*2)
Number of poles	2P	3P	3P
Accessories			
AL			
AX			
AL+AX			
SHT			
AL+SHT			

Type	NV50-FHU (*1)		NV100-FHU (*2)
Number of poles	2P	3P	3P
Accessories			
AL			
AX			
AL+AX			

Note *1 Lead wires are normally extended laterally.
Grooves are provided standard on the face of the breaker, allowing the extension of the lead wires along them.
*2 Lead wires are usually extended load side.

Temperature Characteristic Curve



External Accessories

Accessories		Type name	Reference page
Terminal cover	Small	TC-S	128
		TCS-05FH2	
		TCS-05FH3	
	Large	TCL-05FH2	
		TCL-05FH3	
Lock cover	LC	(*1) LC03CS	135
Handle lock device	HL	(*1) HL-05FH	134

Note *1 Not acquire UL (cURus), CCC, TÜV, UKCA.

Outline Drawing

