

UL Certified Circuit Breakers

NF125-SVU NF125-HVU NV125-SVU NV125-HVU



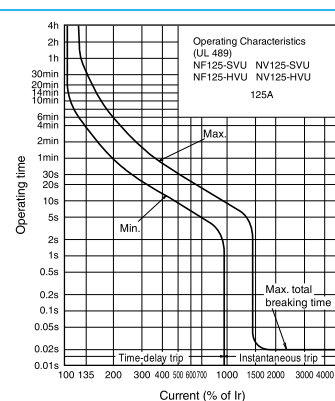
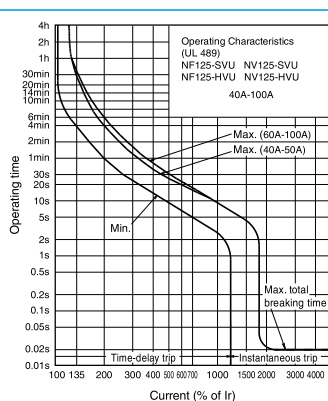
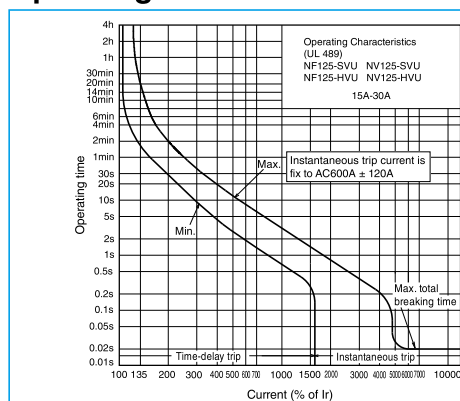
NF125-HVU

Model			NF125-SVU		NF125-HVU			
Rated current I _n (A) Reference ambient temperature 40°C			15 20 30 40 50 60 (70) 75 (80) (90) 100		125	15 20 30 40 50 60 (70) 75 (80) (90) 100	125	
Number of poles			2	3	2	3	3	3
Rated short-circuit breaking capacity (kA)	UL 489 CSA C22.2 No.5	AC	Rated voltage VAC		480	480	600Y/347V	600Y/347V
			600Y/347V		—	—	18	18
			480V		30	30	50	50
			240V		50	50	100	100
			120V		—	—	—	—
	IEC 60947-2 EN 60947-2 (I _{cu} /I _{cs})	AC	Rated insulation voltage U _i V		690	690	690	690
			690V		8/4	8/4	10/5	10/5
			500V		18/9	18/9	25/13	25/13
			440V		30/15	30/15	50/25	50/25
			415V		30/15	30/15	50/25	50/25
			400V		30/15	30/15	50/25	50/25
			380V		30/15	30/15	50/25	50/25
			230V		50/25	50/25	100/50	100/50
Standard attached parts (Front connection)			Terminal screw M8x14 (2P: 4pcs, 3P: 6pcs) Mounting screw M4×0.7×55 (2 screws), Insulating barrier (2P: 2pcs, 3P: 4pcs)					

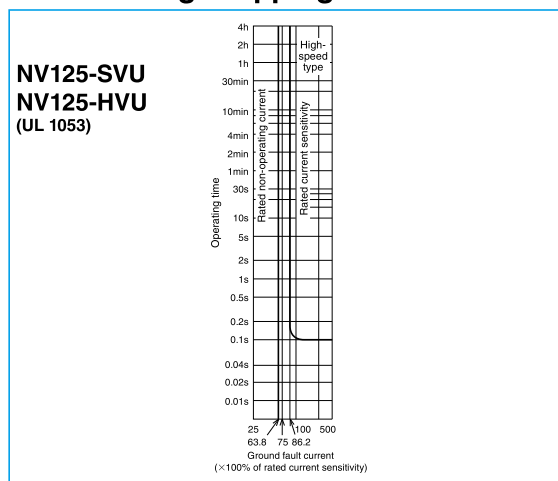
Model		NV125-SVU		NV125-HVU				
Rated current I _n (A) Reference ambient temperature 40°C		15 20 30 (40) 50 60 75 100	125	15 20 30 (40) 50 60 75 100	125			
Number of poles		3	3	3	3			
Phase line		3φ3W 1φ2W	3φ3W 1φ2W	3φ3W 1φ2W	3φ3W 1φ2W			
Rated voltage VAC	UL 489	120-480	120-480	120-480	120-480			
	IEC 60947-2 EN 60947-2	100-440	100-440	100-440	100-440			
High-speed type	Rated current sensitivity I _{Δn} mA	30/50 100/200/500 selectable	30/50 100/200/500 selectable	30/50 100/200/500 selectable	30/50 100/200/500 selectable			
		Pick-up current UL 1053	75% of I _{Δn}	75% of I _{Δn}	75% of I _{Δn}	75% of I _{Δn}		
		Operating time (sec) within AT 5I _{Δn}	0.04 (*1)	0.04 (*1)	0.04 (*1)	0.04 (*1)		
Earth-leakage indication system		Mechanical button	Mechanical button	Mechanical button	Mechanical button			
Rated short-circuit breaking capacity (kA)	UL 489 CSA C22.2 No.5	AC	480V		30	30	50	50
			240V		50	50	100	100
			120V		50	50	100	100
	IEC 60947-2 EN 60947-2 (I _{cu} /I _{cs})	AC	440V		30/15	30/15	50/25	50/25
			400V		30/15	30/15	50/25	50/25
			230V		50/25	50/25	100/50	100/50
			100V		50/25	50/25	100/50	100/50
			Standard attached parts (Front connection)			Terminal screw M8x14 (2P: 4pcs, 3P: 6pcs) Mounting screw M4×0.7×55 (2 screws), Insulating barrier (4pcs)		

Note *1 0.1 for UL1053.

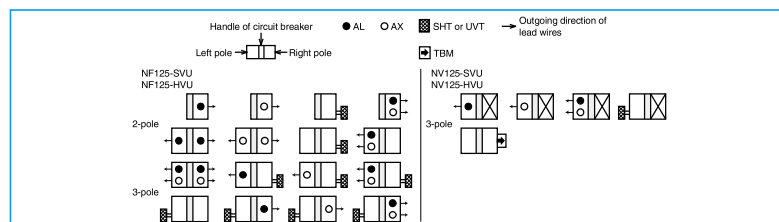
Operating Characteristics



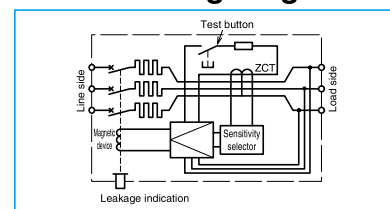
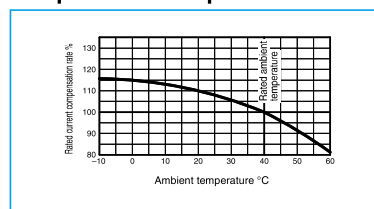
Earth Leakage Tripping Characteristics



Internal Accessories



Temperature Compensation Curve Internal Wiring Diagram

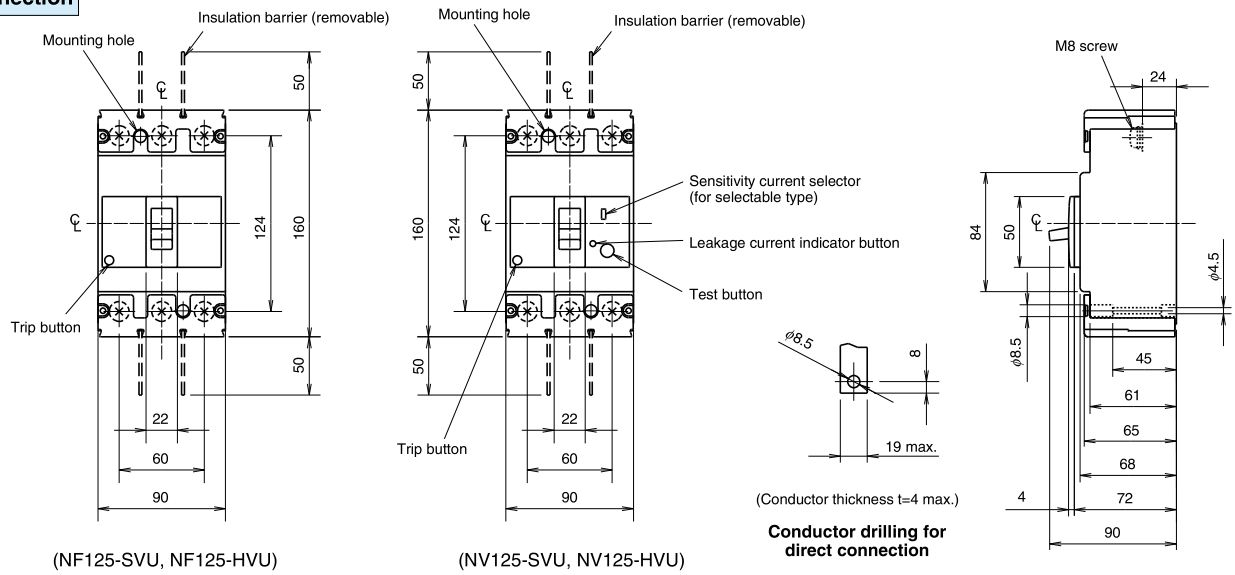


External Accessories

Accessories			Accessories		
Type name	Reference page	Type name	Reference page	Type name	Reference page
Operating handle	F F-1SVUL	123	Terminal cover	Large TC-L	128
	V V-1SVUL	125		TC-L	
	C C-1SVU	127		TC-L-1SVU3	
Handle lock device	HL HLF-05SVU	134			
	HL-S HLS-05SVU				

Outline Drawing

Front connection



Compatible crimp terminals

Tightening torque 54lb-in (6N-m)

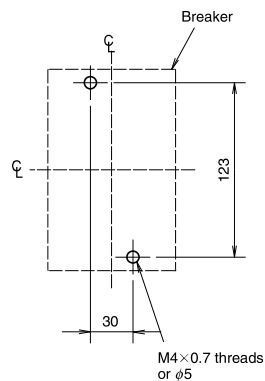
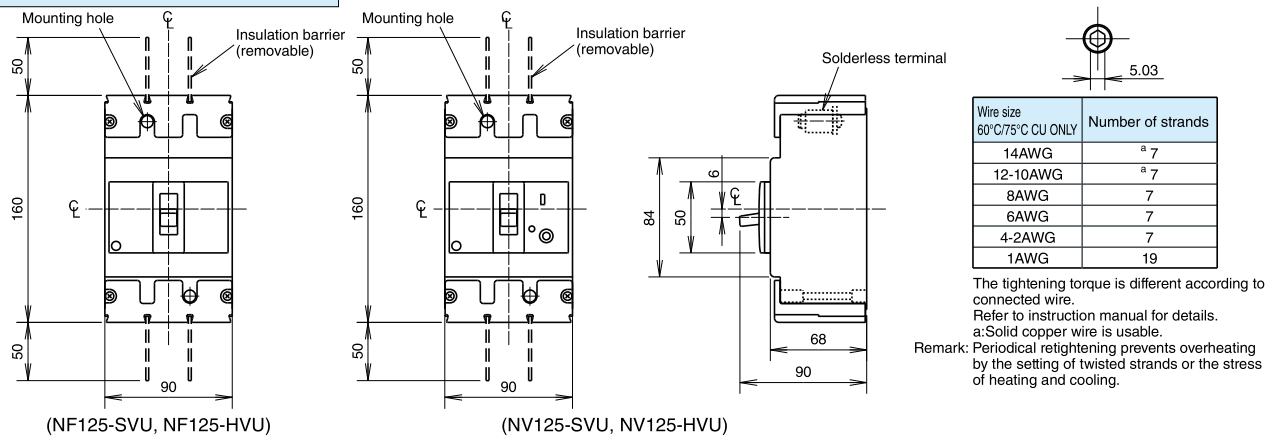
Applicable wire range	Crimp terminal type (*1)	
mm ²	AWG (#) (60°C/75°C)	
2.5-2.63	14	R2-8 R2-8
2.63-6.64	12-10	R5.5-8 R5.5-8
6.64-10.52	8	R8-8 R8-8
10.52-16.78	6	R14-8 R14-8
16.78-26.66	4	R22-8 R22-8S
26.66-42.42	2	38-S8 R38-8S
42.42-60.57	1/0	60-2BA 60-S8
		CB60-8

JST: Japan Solderless Terminal Mfg. Co.

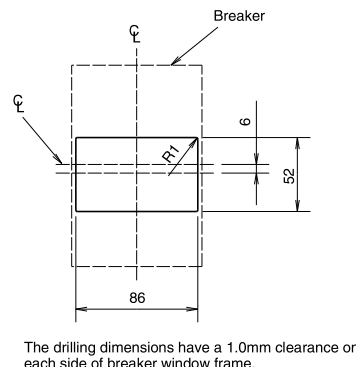
NTM: Nichifu Co., Ltd.

Note *1 When using with a wire connection, use the crimp terminal combination shown above.

Front connection (solderless terminal)



Drilling (Tapping)



Front-panel cutout

Remark: 1. 2-pole models are 3-pole with the central pole conductor removed.