


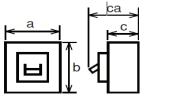


## NV-S(standard class) Harmonic Surge Ready

Frame(A)		30		32		50		60		63		100		125				
Model		NV32-SVF				NV63-SVF				NV125-SVF								
Image																		
Rated current In(A) Rated ambient temperature 40°C		(5) (10) 15 20 30		(32)		(5) (10) 15 20 30 45 50		60		(63)		15 20 30 (40) 50 60 75 100		125				
Number of poles		2 3		2 3		2 3		2 3		2 3		3		3				
Phase line(*1)		1φ2W 1φ2W,3φ3W 1φ3W		1φ2W 1φ2W,3φ3W 1φ3W		1φ2W 1φ2W,3φ3W 1φ3W		1φ2W 1φ2W,3φ3W 1φ3W		1φ2W 1φ2W,3φ3W 1φ3W		1φ2W,3φ3W 1φ3W		1φ2W,3φ3W 1φ3W				
Rated operational voltage Ue(V) (*2)		AC 100-240		100-440		100-240		100-440		100-240		100-440		100-440				
High-speed Type	Rated current sensitivity (mA)	30		30		30		30		30		30		30				
	Max. operating tme(s)	at LΔn 0.1		0.1		0.1		0.1		0.1		0.1		0.1				
Time-delay Type	Rated current sensitivity (mA)	-		-		-		-		-		-		-				
	Max. operating tme(s) (*4)	-		-		-		-		-		-		-				
	Internal non-operating(s) (or more)	-		-		-		-		-		-		-				
Earth leakage indication system		Visible color (Indication window)		Visible color (Indication window)		Visible color (Indication window)		Visible color (Indication window)		Visible color (Indication window)		Mechanical type (button)		Mechanical type (button)				
Rated short-circuit Breaking Capacities(kA)	JIS C 8201-2-1 Ann.1 JIS C 8201-2-1 Ann.2 IEC 60947-2 2nd.ed (Icu/Ics) (*5)	AC	440V	-	2.5/2.5	-	2.5/2.5	-	7.5/6	-	7.5/6	-	7.5/6	-	7.5/6	-	20/20	20/20
			415V	-	5/5	-	5/5	-	10/8	-	10/8	-	10/8	-	10/8	-	25/25	25/25
			400V	-	5/5	-	5/5	-	10/8	-	10/8	-	10/8	-	10/8	-	25/25	25/25
			230V	-	7.5/7.5	-	7.5/7.5	-	15/15	-	15/15	-	15/15	-	15/15	-	50/50	50/50
			200V	-	7.5/7.5	-	7.5/7.5	-	15/15	-	15/15	-	15/15	-	15/15	-	50/50	50/50
	GB 14048.2 (Icu/Ics) (*8)	AC	100V	7.5/7.5	7.5/7.5	7.5/7.5	7.5/7.5	15/15	15/15	15/15	15/15	15/15	15/15	15/15	15/15	50/50	50/50	
			415V	-	5/5	-	5/5	-	10/8	-	10/8	-	10/8	-	10/8	-	25/25	25/25
			400V	-	5/5	-	5/5	-	10/8	-	10/8	-	10/8	-	10/8	-	25/25	25/25
			380V	-	5/5	-	5/5	-	10/8	-	10/8	-	10/8	-	10/8	-	25/25	25/25
			230V	-	7.5/7.5	-	7.5/7.5	-	15/15	-	15/15	-	15/15	-	15/15	-	50/50	50/50
Rated impulse withstand voltage Uimp(kV)		4 6		4 6		4 6		4 6		4 6		4 6		6 6				
Current		AC		AC		AC		AC		AC		AC		AC				
Suitability for isolation		compatible		compatible		compatible		compatible		compatible		compatible		compatible				
Reverse connection(below 230VAC)		-		-		-		-		-		-		possible				
Number of operating cycles	Without current	10,000		10,000		10,000		10,000		10,000		10,000		10,000				
	With current(440VAC)	6,000(AC240V)		6,000(AC240V)		6,000(AC240V)		6,000(AC240V)		6,000(AC240V)		6,000(AC240V)		8,000				
Utilization category		A		A		A		A		A		A		A				
Pollution degree		2		2		2		2		2		2		2				
EMC environment condition(environment A or B)		A		A		A		A		A		A		A				
Overall dimensions(mm)		a	36	54	36	54	36	54	36	54	36	54	36	54	75	75		
		b	100		100		100		100		100		100		130			
		c	68		68		68		68		68		68		68			
		ca	90		90		90		90		90		90		90			
		Mass of front-face type kg	0.4 0.5		0.4 0.5		0.4 0.5		0.4 0.5		0.4 0.5		0.4 0.5		0.95 0.95			
Installation and connection	Front connection(F)	●		●		●		●		●		●		●				
	Solderless(BOX) terminal(SL)	-		-		-		-		-		-		-				
	Rear(B)	-		-		-		-		-		-		-				
	Plug-in(PM)	-		-		-		-		-		-		-				
	cassette type-accessories	Alarm switch(AL)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)		
Auxiliary switch(AX)		-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)			
Shunt trip(SHT)		-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)	-	●(*6)			
Undervoltage trip(UVT)		-	●	-	●	-	●	-	●	-	●	-	●	-	●			
Earth leakage alarm switch(EAL)		-	-	-	-	-	-	-	-	-	-	-	-	-	-			
With lead-wire terminal block(SLT)		-	●	-	●	-	●	-	●	-	●	-	●	-	●			
Test button module(TBM)		-	●(*7)	-	●(*7)	-	●(*7)	-	●(*7)	-	●(*7)	-	●(*7)	-	●(*7)			
External accessories	Enclosure	Closed(S)	-		-		-		-		-		-		-			
		Dustproof(I)	-		-		-		-		-		-		-			
		Waterproof(W)	-		-		-		-		-		-		-			
	Electrical operation device(NFM)	Panel mounting	-		-		-		-		-		-		-			
		Mechanical interlock(MI)	-		-		-		-		-		-		-			
	Handle lock device	LC	●		●		●		●		●		●		●			
		HL	●		●		●		●		●		●		●			
		HL-S	●		●		●		●		●		●		●			
	Terminal cover(TC-L,TC-S,TT,TC,BTC,PTC)	●		●		●		●		●		●		●				
	Rear stud(B-ST)	-		-		-		-		-		-		-				
Plug-in (PM)	-		-		-		-		-		-		-					
IEC 35mm rail mounting adapters	standard equipped		standard equipped		standard equipped		standard equipped		standard equipped		standard equipped		standard equipped					
CE marking	TUV approval		TUV approval		TUV approval		TUV approval		TUV approval		TUV approval		TUV approval					
CCC recognition	Recognized		Recognized		Recognized		Recognized		Recognized		Recognized		Recognized					
Marine use approval(NK, LR, ABS, GL)	-		-		-		-		-		-		-					
Automatic tripping device	Thermal-magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic					
Tripping button	equipped		equipped		equipped		equipped		equipped		equipped		equipped					

Notes: \*1 If using a 3-pole earth leakage circuit breaker as a 1-pole 2-phase device, connect the left and right poles and not the central pole. When wiring to single-phase 3-wire, connect the neutral line to the central pole.  
 \*2 In case of time delay type, rated voltage is 200-440V.  
 \*3 In case of time delay type, products can be produced more than 20A of rated current.  
 \*4 When the operating time are 0.45, 1.0 and 2.0 seconds, the Earth leakage circuit breaker operates between 0.15 and 0.45 seconds, between 0.6 and 1.0 seconds and between 1.2 and 2.0 seconds respectively.

\*5 breaking capacity of 2P AC240V is same as 230V.  
 \*6 The cassette type design makes it easy for customer to install.  
 \*7 Standard type is SLT equipped.