

●NF-S (Standard class)

Frame (A)	30			32			50				60			63																
Model	NF32-SV									NF63-SV																				
Image																														
Rated current In (A)	3 4 (5) 6 10			32			3 4 (5) 6 10 (15) 16				(60)			63																
Rated ambient temperature 40°C (45°C for marine use)	15 16 20 25 (30)						20 25 (30) 32 40 50																							
Number of poles	2 3			2 3			2 3 4				2 3 4			2 3 4																
Rated insulation voltage Ui (V)	600									600																				
Rated short-circuit breaking capacities (kA)	IEC 60947-2 EN 60947-2 (Icu/Ics)	AC	690V	-			-			-				-																
			500V	2.5/2.5			2.5/2.5			7.5/7.5				7.5/7.5																
			440V	2.5/2.5			2.5/2.5			7.5/7.5				7.5/7.5																
			415V	2.5/2.5			2.5/2.5			7.5/7.5				7.5/7.5																
			400V	5/5			5/5			7.5/7.5				7.5/7.5																
			380V	5/5			5/5			7.5/7.5				7.5/7.5																
			230V	7.5/7.5			7.5/7.5			15/15				15/15																
			200V	7.5/7.5			7.5/7.5			15/15				15/15																
DC 250V	2.5/2.5 (*5)			2.5/2.5 (*5)			7.5/7.5 (*5)				7.5/7.5 (*5)																			
Rated impulse withstand voltage Uimp (kV)	8			8			8				8																			
Current (*1)	AC/DC compatible									AC/DC compatible																				
Suitability for isolation	Compatible									Compatible																				
Reverse connection	Possible									Possible																				
Number of operating cycles	Without current			10,000			10,000				15,000			15,000																
	With current (440VAC)			6,000			6,000				8,000			8,000																
Utilization category	A									A																				
Pollution degree	3									3																				
EMC environment condition (environment A or B)	N/A									N/A																				
Overall dimensions (mm)			a	50	75	50	75	50	75	100	50	75	100	50	75	100														
			b	130			130			130			130																	
			c	68			68			68			68																	
			ca	90			90			90			90																	
			ca	90			90			90			90																	
Mass of front-face type (kg)	0.45			0.65			0.45			0.65			0.5			0.7			0.9			0.55			0.75			1.0		
	Front connection (F)	Page	●Screw terminal																											
Solderless (BOX) terminal (SL)	-																													
Rear (B)	716	●Bar stud																												
Plug-in (PM)	-																													
Cassette-type accessories	Alarm switch (AL)	● (*4)																												
	Auxiliary switch (AX)	● (*4)																												
	Shunt trip (SHT)	● (*4)																												
	Undervoltage trip (UVT)	● (*4)																												
With lead-wire terminal block (SLT)	737	●																												
Pre-alarm (PAL)	739	-																												
External accessories	Enclosure	Closed (S)	●																											
		Dustproof (I)	●																											
		Waterproof (W)	-																											
	Electrical operation device (NFM)	756	-																											
	Mechanical interlock (MI) (*7)	Panel mounting	●																											
		Breaker mounting	●																											
	Handle lock device	LC	●																											
		HL	●																											
		HL-S	●																											
	External operating handle	(F)	●																											
(V)		●																												
Terminal cover (TC-L, TC-S, TTC, BTC, PTC)	744	●																												
Rear stud (B-ST)	718	●																												
Plug-in (PM)	●																													
IEC 35mm rail mounting adapters	759	●																												
CE marking	Self-declaration									Self-declaration																				
CCC recognition	Recognition in process									Recognition in process																				
Marine use approval (NK, LR, ABS, GL)	☆									☆																				
Automatic tripping device	Thermal-magnetic									Thermal-magnetic																				
Trip button	Equipped									Equipped																				
Page of Characteristics and dimensions	762									762																				

- Notes: *1 The trip action characteristics differ between AC and DC for products that are compatible with both AC and DC.
 *2 In case of a current rating of 100A, it does not specify NK rating.
 *3 Use two poles for three- and four-pole products. In this case, do not use the neutral pole of the four-pole products. If wired as shown on the right, three and four poles can be used for up to 400 and 500VDC, respectively. (In case of NF250-SV, three and four poles can be used for up to 500 and 600VDC)
 *4 The cassette type design makes it easy for customer to install. Available for installation on side below 250A frame (excluding UVT).
 *5 Use two poles for three- and four-pole products. In this case, do not use the neutral pole of the four-pole products. Not available for use with connection as shown on the right.
 *6 Place an order of other models in conjunction with the circuit breaker.
 *7 Not isolation compatible. excluding 400 to 800A frame.

