

●NF-L / NF-H / NF-R (High-performance class)

Frame (A)	50			60			63			100			125			125			125			125													
Model	NF63-HV									NF125-HV						NF125-LGV			NF125-HGV			NF125-RGV													
Image																																			
Rated current In (A)	10	15	16	20	25	60			(63)			15	16	20	30	32	40	125			16-20	20-25	25-32	32-40	35-50	16-20	20-25	25-32	32-40	35-50	16-20	20-25	25-32	32-40	40-50
Rated ambient temperature 40°C (45°C for marine use)																																			
Number of poles	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4		
Rated insulation voltage Ui (V)	690			690			690			690			690			690			690			690			690			690			690				
Rated short-circuit breaking capacities (kA)	IEC 60947-2 EN 60947-2 (Icu/Ics)	AC	690V	2.5/2.5	2.5/2.5	2.5/2.5	2.5/2.5	2.5/2.5	2.5/2.5	10/8	10/8	10/8	10/8	10/8	10/8	30/23	30/23	30/23	36/36	36/36	36/36	50/38	50/38	50/38	50/38	50/38	50/38	65/65	65/65	65/65	125/125	125/125	125/125		
			500V	7.5/7.5	7.5/7.5	7.5/7.5	7.5/7.5	7.5/7.5	7.5/7.5	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23	30/23		
			440V	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8		
			415V	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8		
			400V	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8		
			380V	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8	10/8		
			230V	25/19	25/19	25/19	25/19	25/19	25/19	25/19	25/19	25/19	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75		
200V	25/19	25/19	25/19	25/19	25/19	25/19	25/19	25/19	25/19	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75	100/75					
DC 250V	7.5/7.5 (*5)			7.5/7.5 (*5)			7.5/7.5 (*5)			-			-			20/20 (300V) (*2)			40/40 (300V) (*2)			-													
Rated impulse withstand voltage Uimp (kV)	8			8			8			8			8			8			8			8			8										
Current	AC/DC compatible (*1)			AC/DC compatible (*1)			AC/DC compatible (*1)			AC			AC			AC/DC compatible			AC/DC compatible			AC													
Suitability for isolation	Compatible			Compatible			Compatible			Compatible			Compatible			Compatible			Compatible			Compatible													
Reverse connection	Possible			Possible			Possible			Possible			Possible			Possible			Possible			Possible													
Number of operating cycles	Without current			15,000			15,000			15,000			25,000			25,000			50,000			50,000			50,000										
	With current (440VAC)			8,000			8,000			8,000			10,000			10,000			30,000			30,000			30,000										
Utilization category	A			A			A			A			A			A			A			A			A										
Pollution degree	3			3			3			3			3			3			3			3			3										
EMC environment condition (environment A or B)	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A										
Overall dimensions (mm)	a		50	75	100	50	75	100	50	75	100	90	120	120	90	120	120	105	140	140	105	140	140	105	140	140	105	140	140						
	b		130			130			130			130			130			165			165			165											
	c		68			68			68			68			68			68			68			68											
	ca		90			90			90			90			90			92			92			92											
Mass of front-face type (kg)	0.5	0.7	0.9	0.55	0.75	1.0	0.55	0.75	1.0	0.8	1.0	1.3	0.8	1.0	1.3	1.4	1.6	2.0	1.4	1.6	2.0	1.5	1.8	1.8											
Front connection (F)	●Screw terminal																																		
Solderless (BOX) terminal (SL)	●																																		
Rear (B)	716			●Round stud			●Round stud			●Round stud			●Bar stud			●Bar stud			●Bar stud			●Bar stud													
Plug-in (PM)	●																																		
Alarm switch (AL)	● (*3)																																		
Auxiliary switch (AX)	● (*3)																																		
Shunt trip (SHT)	● (*3)																																		
Undervoltage trip (UVT)	● (*3)																																		
With lead-wire terminal block (SLT)	●																																		
Pre-alarm (PAL)	-																																		
Enclosure	Closed (S)		●			●			●			●			●			●			●														
	Dustproof (I)		-			-			-			-			-			-			-														
	Waterproof (W)		-			-			-			-			-			-			-														
Electrical operation device (NFM)	-																																		
Mechanical interlock (MI) (*4)	Panel mounting		●			●			●			●			●			●			●														
	Breaker mounting		-			-			-			-			-			-			-														
Handle lock device	LC		●			●			●			●			●			●			●														
	HL		●			●			●			●			●			●			●														
	HL-S		●			●			●			●			●			●			●														
External operating handle (V)	●																																		
Terminal cover (TC-L, TC-S, TTC, BTC, PTC)	●																																		
Rear stud (B-ST)	●																																		
Plug-in (PM)	●																																		
IEC 35mm rail mounting adapters	●																																		
CE marking	Self-declaration																																		
CCC recognition	Recognition in process																																		
Marine use approval (NK, LR, ABS, GL)	☆																																		
Automatic tripping device	Thermal-magnetic																																		
Trip button	Equipped																																		
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- \*1 The trip action characteristics differ between AC and DC for products that are compatible with both AC and DC.
- \*2 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 500 and 600VDC, respectively.
- \*3 The cassette type design makes it easy for customer to install. Available for installation on side below 250A frame (excluding UVT).
- \*4 Not isolation compatible, excluding 400 to 800A frame.
- \*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.

