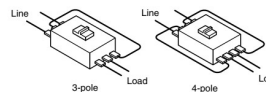


Detailed Specifications

●NF-C (Economy class)

Frame (A)		30	50	60	63	100	125	225	250	400	600	630	800
Model		NF30-CS		NF63-CV		NF125-CV		NF250-CV		NF400-CW	NF630-CW		NF800-CEW
Image													
Rated current In (A)		3 5 10 15 20 30		3 4 (5) 6 10 (15) 16		(60)		63		50 (60) 63		Adjustable	
Rated ambient temperature 40°C (45°C for marine use)		20 25 (30) 32 40 50		(75) 80 100		125		(100) 125 150		175 200 225 (*3)		400 450 500 600 700 800	
Number of poles		2 3		2 3		2 3		2 3		2 3		3	
Rated insulation voltage Ui (V)		500		600		600		600		690		690	
Rated short-circuit breaking capacity (kA)		690V 500V 440V 415V 400V 380V 230V 200V DC 250V		2.5/2.5 2.5/2.5 2.5/2.5 5/5 5/5 7.5/7.5 7.5/7.5 2.5/2.5 (*7)		2.5/2.5 2.5/2.5 2.5/2.5 5/5 5/5 7.5/7.5 7.5/7.5 2.5/2.5 (*7)		7.5/4 10/5 10/5 10/5 10/5 30/15 30/15 7.5/4 (*4)		10/8 15/12 25/19 25/19 25/19 36/27 36/27 15/12 (*4)		15/8 25/13 36/18 36/18 40/20 50/25 50/25 20/10 (*4)	
Rated impulse withstand voltage Uimp (kV)		4		8		8		8		8		8	
Current (*1)		AC		AC/DC compatible		AC/DC compatible		AC/DC compatible		AC/DC compatible		AC/DC compatible	
Suitability for isolation		Compatible		Compatible		Compatible		Compatible		Compatible		Compatible	
Reverse connection		Possible		Possible		Possible		Possible		Possible		Possible	
Number of operating cycles		10,000		10,000		10,000		10,000		8,000		8,000	
Without current		6,000		6,000		6,000		6,000		6,000		6,000	
With current (440VAC)		6,000		6,000		6,000		6,000		6,000		6,000	
Utilization category		A		A		A		A		A		A	
Pollution degree		2		3		3		3		3		3	
EMC environment condition (environment A or B)		N/A		N/A		N/A		N/A		N/A		N/A	
Overall dimensions (mm)		a 45 b 67.5		50 75		50 75		60 90		60 90		105 165	
	a	96		130		130		130		165		165	
	b	52		68		68		68		68		103	
	ca	67		90		90		90		92		134	
Mass of front-face type (kg)		0.25 0.35		0.45 0.65		0.5 0.7		0.6 0.9		1.3 1.5		4.4 5.0	
Front connection (F)		●Screw terminal		●Screw terminal		●Screw terminal		●Screw terminal		●Screw terminal		●Busbar terminal	
Solderless (BOX) terminal (SL)		●Round stud (assembled in)		●Round stud		●Round stud		●Round stud		●Round stud		●Round stud	
Rear (R)		716		716		716		716		716		716	
Plug-in (PM)		●(*5)		●(*6)		●(*6)		●(*6)		●(*6)		●(*6)	
Alarm switch (AL)		●(*5)		●(*6)		●(*6)		●(*6)		●(*6)		●(*6)	
Auxiliary switch (AX)		●(*5)		●(*6)		●(*6)		●(*6)		●(*6)		●(*6)	
Shunt trip (SHT)		●(*5)		●(*6)		●(*6)		●(*6)		●(*6)		●(*6)	
Undervoltage trip (UVT)		●(*5)		●(*6)		●(*6)		●(*6)		●(*6)		●(*6)	
With lead-wire terminal block (SLT)		737		737		737		737		737		737	
Pre-alarm (PAL)		739		739		739		739		739		739	
Enclosure (S)		753		753		753		753		753		753	
Dustproof (D)		753		753		753		753		753		753	
Waterproof (W)		756		756		756		756		756		756	
Electrical operation device (NFM)		752		752		752		752		752		752	
Mechanical Panel mounting		752		752		752		752		752		752	
Breaker mounting		752		752		752		752		752		752	
LC		750		750		750		750		750		750	
HL		750		750		750		750		750		750	
HL-S		750		750		750		750		750		750	
External operating handle (F)		740		740		740		740		740		740	
Terminal cover (TCL, TC-S, TTC, TTC, TTC)		744		744		744		744		744		744	
Rear stud (B-ST)		718		718		718		718		718		718	
Plug-in (PM)		718		718		718		718		718		718	
IEC 35mm rail mounting adapters		759		759		759		759		759		759	
CE marking		TUV approval		Self-declaration		Self-declaration		Self-declaration		Self-declaration		Self-declaration	
CCC recognition		Recognition in process		Recognition in process		Recognition in process		Recognition in process		Recognition in process		Recognition in process	
Marine use approval (NK, LR, ABS, GL)		☆ (NK, LR, ABS)		☆		☆		☆		☆		☆	
Automatic tripping device		Hydraulic magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic		Thermal-magnetic	
Trip button		-(*)2		Equipped		Equipped		Equipped		Equipped		Equipped	
Page of Characteristics and dimensions		760		762		762		764		768		786	

- Notes: 1. The trip action characteristics differ between AC and DC for products that are compatible with both AC and DC.
2. It is attached with the alarm switch.
3. In case of a current rating of 100A, it does not specify NK rating.
4. 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.
5. The standard lead drawing is performed laterally. Load drawing is also available.
6. The cassette type design makes it easy for customer to install. Available for installation on side below 250A frame (excluding UVT).
7. 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 connector as shown on the right.
8. Place an order of other models in conjunction with the circuit breaker.
9. Solid state relay output is option. Please specify if other output is necessary.
10. Not isolation compatible, excluding 400 to 800A frame.



- Remarks: 1. Products with rated current parenthesized are produced when an order is placed.
2. Specify "P-LT" when using a plug-in product with a lead-wire terminal block.
3. The circuit breaker has the rated short-circuit breaking capacity specified in the shaded cells.