Series						C Series	S Series	C Series	S Series	H Series	C Series	
Frame Size						30	32	63	63	63	125	
Image						5	5 	S.		J	4	
Type name						NF30-CS	NF32-SW	NF63-CW	NF63-SW	NF63-HW	NF125-CW	
Rated current in	(Amp.)					3 5 10 15 20 30	3 4 (5) 6 10 (15) 16 20 25 (30) 32	3 4 (5) 6 10 (15) 16 20 25 (30) 32 40 50 (60) 63	3 4 (5) 6 10 (15) 16 20 25 (30) 32 40 50 (60) 63	10 (15) 16 20 25 (30) 32 40 50 (60) 63	50 (60) 63 (75) 80 100 125	
Rated ambient te	emperature ((°C)				40	40	40	40	40	40	
Rated insulation	voltage Ui ('	V)				500	600	600	600	690	600	
Rated short-circuit breaking capacities (kA)	IEC 6 (Icu	0947-2 I/Ics)	AC (50/60	; Hz)	690V 525V 500V 440V 415V 400V 380V 230V 230V 250V	- - 1.5/1.5 1.5/1.5 1.5/1.5 2.5/2 (240V) -	- 2.5/1 2.5/1 2.5/1 5/2 5/2 7.5/4 2.5/1 (*4)] -	- 2.5/1 2.5/1 2.5/1 5/2 5/2 7.5/4 2.5/1 (*4)] -		2.5/1 - 7.5/4 10/5 10/5 10/5 10/5 25/13 7.5/4 (44) -	- 7.5/4 10/5 10/5 10/5 10/5 30/15 7.5/4 (*1)	
Suitability for isol	lation				3000		-	-	-	-	-	
Utilization catego	ory					A	A	A	A	A	A	
Reverse connect	tion (termina	lls unmarked	d)			_	•	•	•	•	•	
Rated impulse w	ithstand volt	tage Uimp (k	kV)			4	6	6	6	6	8	
Pollution degree						2	2	2	2	2	3	
			without cu	urrent		10,000	10,000	10,000	15,000	15,000	10,000	
					440V-In/2	6,000 (415V)	6,000	6,000	15,000	15,000	6,000	
Number of opera	ating cycles		with curre	nt	440V-In	6,000 (415V)	6,000	6,000	8,000	8,000	6,000	
					690V-In/2	-	-	-	-	-	-	
				ca L C	690V-In a	45 67.5	50 75	50 75	- 50 75 100	- 50 75 100	- 60 90	
Overall dimensio	ons (mm)				0	52	68	68	68	68	68	
					ca	67	90	90	90	90	90	
Mass of front-fac	e type (ka)					0.25 0.35	0.4 0.55	0.45 0.6	0.45 0.6 0.7	0.45 0.6 0.7	0.65 0.9	
	 		Screw terr	minal		•	•	•	•	•	•	
	·	Front	Solderless	(box)	terminal (SL)	-	-	-	-	-	ě	
	Fixed		Busbar ter	rmina	,,,,,,, _	-	-	-	-	-	-	
Installation		Rear			(B)	•	•	•	•	•	•	
connections	Diver in	Rear			(PM)	-	•	•	•	•	•	
connections	Plug-in	Rear/front	IP20		(PM-IP)	-	-	-	-	-	-	
	IEC 35mm	Mounting h	hook (optio	n)		-	•	•	•	•	-	
	rail	Adapter (o	ption)			•	-	-	-	-	•	
	Alarm swite	ch			(AL)	•	•	•	•	•	•	
Cassette-type	Auxiliary s	witch			(AX)	•	•	•	•	•	•	
accessories	Shunt trip				(SHT)	-	•	•	•	•	•	
(option) (*5)	Undervoltag	e trip (UVT)	Non-Synchro	onous (Closing (UVT-N)	-	•	•	•	•	•	
			Synchrono	us Clo	sing (UVI-S)	-	-	-	-	-	•	
Accessorie's	with Lead-	wire termina	al block		(SLT)	•	•	•	•	•	•	
(option)	With Interna	ai terminai ty	ype		(IN1)	-	-	_	-	-	-	
Ruilt in					(5.41)	•		•	•	•	•	
accessories	Pre-alarm	(contact out	iput) (*3)		(PAL)	-	-	-	-	-	-	
(option)	Overcurrer	nt trip alarm	(*3)		(OAL)	-	-	-	-	-	-	
			Duotara		(S)	•	•	•	• -	• -	•	
	Enclosure		Dusipi001		(1)	-	•	•	• -	• -	•	
	-		Waterproo	t	(W)		- •	- •	- • -	- • -	- •	
	Electrical o	peration de	evice	_	(MD)	-						
	wiechanica	II IIILEIIOCK			(IVI)	-						
	Handle loc	k device	Handle loo	ck		•						
	Lock cover		_		(112-3)	-						
External	Look cover				(20)							
accessories	External	Mounted o	on breaker		(F)	-	•	•	•	•	•	
(option)	operating				(V)	-	•	•	•	•	•	
	nandie	Door mour	nting		(S)	-	•	•	•	•	•	
	Insulating	Between p	ohase		(BA-F)	_	•	•	•	•	•	
	barrier	To ground			(BA-G)	-	•	•	•	•	•	
		Large			(TC-L)	•	•	•	•	•	•	
	Terminal	Small	-		(TC-S)	•	•	•	•	•	•	
	cover	for response	nt		(110)					-	•	
		for rear con	rinection	_	(BIC)	•						
-		por plug-in				-						
					G/L	-						
Marine approval					BV	_						
marino approvar					DNV	_	i i	i i	• -	• -	ě	
					ABS	•	ě	ě	• -		ě	
A	an alar d				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Hydraulic-	Hydraulic-	Hydraulic-	Hydraulic-	Hydraulic-	Thermal-	
Automatic trippin	ig device					magnetic	magnetic	magnetic	magnetic	magnetic	magnetic	
Trip button						-	Equipped	Equipped	Equipped	Equipped	Equipped	
						1	1.10.55					

Note (*1) Use two poles for three- and four-pole products. If wired as shown on the right, three and four poles can be used for up to 400VDC and 500VDC,

(*2) Use two poles for three- and four-pole products. If wired as shown on the right, three and four poles can be used for up to 500VDC and 600VDC,

respectively. (*3) PAL and OAL are not available together. Only one can be specified. (*4) Specify if for DC use. (*5) Cassette-type accessories are not compatible with NF30-CS.



	S Series			H Series		US	eries
	125			125			
NF125-SW	NF125-SGW RT	NF125-SGW RE	NF125-HW	NF125-HGW RT	NF125-HGW RE	NF125-RGW RT	NF125-UGW RT
(15) 16 20 (30) 32 40 50 (60) 63 (75) 80 100 125	16–25 25–40 40–63 63–100 80–125	16–32 32–63 63–100 75–125	(15) 16 20 (30) 32 40 50 (60) 63 (75) 80 100	16–25 25–40 40–63 63–100 80–125	16–32 32–63 63–100 75–125	16–25 25–40 40–63 63–100	16-25 25-40 40-63 63-100
40 2 3 4 690	40 2 3 4 690	40 3 4 690	40 2 3 4 690	40 2 3 4 690	40 3 4	40 2 3 690	40 2 3 4 690
8/4 18/5 25/13 30/15 30/15 30/15 50/25 15/8 (*1)	8/8 22/22 30/30 36/36 36/36 36/36 36/36 85/85	8/8 22/22 30/30 36/36 36/36 36/36 36/36 85/85 -	10/5 22/11 30/15 50/25 50/25 50/25 50/25 100/50 40/20 (*1)	20/20 35/35 50/50 65/65 70/70 75/75 75/75 100/100	20/20 35/35 50/50 65/65 70/70 75/75 75/75 100/100 -	25/25 125/125 125/125 125/125 125/125 125/125 125/125 125/125 125/125 125/125	30/30 200/200 200/200 200/200 200/200 200/200 200/200 200/200 200/200
 -	20/20 (*2) ●	-	-	40/40 (*2) ●	-	-	-
 A	A	A	A	A	A	A	A
8 3 25,000 20,000 10,000 1,000 60 90 120 130 68 90 0.7 0.95 1.3	8 3 50,000 40,000 30,000 1,000 1005 140 165 86 110 2.0	8 3 50,000 40,000 30,000 1,000 1,000 105 86 110 2.0	8 3 25,000 20,000 10,000 1,000 90 130 68 90 0.8 0.95	8 3 50,000 40,000 30,000 1,000 1,000 105 140 165 86 110 2.0 2.6	8 3 50,000 40,000 30,000 1,000 1,000 105 86 110 2.0	8 3 50,000 40,000 30,000 1,000 105 240 86 110 3.1	8 3 50,000 40,000 30,000 1,000 1,000 140 240 86 110 3.1 3.9
	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	
						- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -
						- - - - - - - - - - - - - - - - - - -	
- - Thermal- magnetic Equipped	Thermal- magnetic Equipped	Electronic	● – ● – Thermal- magnetic Equipped	Thermal- magnetic Equipped	Electronic Equipped	Thermal- magnetic	● – ● – Thermal- magnetic Equipped

Series						S Series			H Series		
Frame Size						160			160		
Image								5			
Type name					NF160-SW	NF160-SGW RT	NF160-SGW RE	NF160-HW	NF160-HGW RT	NF160-HGW RE	
Rated current In	(Amp.)				125 150 160	125–160	80–160	125 150 160	125–160	80–160	
Rated ambient te	emperature (°C)			40	40	40	40	40	40	
Number of poles					2 3 4	2 3 4	3 4	2 3 4	2 3 4	3 4	
Rated insulation	voltage Ui (/)	1	1	690	690	690	690	690	690	
Rated short-circuit breaking capacities (kA)	ircuit IEC 60947-2 (50 g (lcu/lcs) ies (kA)		AC (50/60Hz)	690V 525V 500V 440V 415V 400V 380V 230V	- 15/8 25/13 30/15 30/15 30/15 50/25	8/8 22/22 30/30 36/36 36/36 36/36 36/36 85/85	8/8 22/22 30/30 36/36 36/36 36/36 36/36 36/36 85/85	5/3 - - 30/8 50/13 50/13 50/13 50/13 100/25	20/20 35/35 50/50 65/65 70/70 75/75 75/75 100/100	20/20 35/35 50/50 65/65 70/70 75/75 75/75 100/100	
			DC	250V 300V	15/8 (*1)	- 20/20 (*2)		40/20 (*1)	40/40 (*2)	_	
Suitability for isol	lation -/-			0001	•	L0/L0 (+L)		•	+0/+0 (*2)	•	
Utilization catego	orv				Ă	A	Ā	Ā	A	Ā	
Reverse connect Rated impulse with	tion (termina ithstand volt	ls unmarke age Uimp (I	d) kV)		6	8	8	6	8	8	
Pollution degree			Les data a sub a succession a		2	3	3	2	3	3	
Number of opera	ting cycles		with current	440V-In/2 440V-In 690V-In/2 690V-In	4,000 4,000 -	30,000 20,000 1,000 1,000	30,000 20,000 1,000 1,000	4,000 4,000 1,000 1,000	30,000 20,000 1,000 1,000	30,000 20,000 1,000 1,000	
Overall dimensio	ns (mm)			a b c ca	105 140 165 68 92	105 140 165 86 110	105 140 165 86 110	105 140 165 68 92	105 140 165 86 110	105 140 165 86 110	
Mass of front-fac	e type (kg)				1.3 1.5 1.9	2.0 2.6	2.0 2.6	1.3 1.5 1.9	2.0 2.6	2.0 2.6	
			Screw terminal	_	•	•	•	•	•	•	
	Fixed	Front	Solderless (box)	terminal (SL)	•	•	•	•	•	•	
Installation		Roar		(B)			-				
and		Roar		(D) (PM)		-	-		-	-	
connections	Plug-in	Rear/front	IP20	(PM-IP)	_			•			
	IEC 35mm	Mounting h	hook (option)	(,	-	-	_	-	_	_	
	rail	Adapter (o	potion)		-	_	-	-	-	_	
	Alarm swite	h		(AL)	•	•	•	•	•	•	
Cassette-type	Auxiliary sy	vitch		(AX)	•	•	•	•	•	•	
accessories	Shunt trip			(SHT)	•	•	•		•	ě	
(option)	Lindon (alton	a tring (LIV(T)	Non-Synchronous C	losing (UVT-N)	•	-	-	ě	-	_	
	Undervollag	e trip (UVI)	Synchronous Clos	sing (UVT-S)	-	•	•	-	•	•	
Accessorie's	with Lead-	vire termina	al block	(SLT)	•	•	•	•	•	•	
connection	with Interna	al terminal t	ype	(INT)	-	•	•	-	•	•	
(option)	with Flying	leads			•	•	•	•	•	•	
Built-in	Pre-alarm	contact out	tput) (*3)	(PAL)	-	-	•	-	-	•	
accessories	Overcurren	t trip alarm	(*3)	(OAL)	-	_	•	_	_	•	
(004011)				(3)	• -	_	_	_	-	_	
	Enclosure		Dustproof		• -	• -	• -	• -	• -	• -	
			Waterproof	(W)	• -	• -	• -	• -	• -	• -	
	Electrical o	peration de	vice	(MD)	•	•	•	•	•	•	
	Mechanica	I interlock		(MI)	•	•	•	•	•	•	
	Handle loc	k device	Handle lock	(HL)	•	•	•	•	•	•	
				(HL-S)	•	•		•	•	•	
External	LOCK COVEI			(LC)	•	•	•	•	•	•	
accessories	External	Mounted o	on breaker	(F)	•	•	•	•	•	•	
(option)	operating	_			•	•	•	•	•	•	
	nandle	Door mour	nting	(\$)	•	•		i i i	•	ě	
	Insulating	Between p	hase	(BA-F)	, i	ě	, i		•	ě	
	barrier	To ground		(BA-G)	•	_	_	•	_	-	
		Large		(TC-L)	•	•	•	•	•	•	
	Terminal	Small		(TC-S)	•	•	•	•	•	•	
	cover	Transpare	nt	(TTC)	•	•	•	•	•	•	
		for rear co	nnection	(BTC)	•	•	•	•	•	•	
		for plug-in		(PIC)	•	•	•	•	•	•	
				L/R	-	-	-	-	-	-	
Marine approval				G/L	-	-	-	-	-	-	
manne approval					_	_					
				ARS	_	_	_	_		_	
Automatic trippin	a device			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Thermal-	Thermal-	Electronic	Thermal-	Thermal-	Electronic	
Trip butter	3				Fragmetic	Faultone	Environ et	magnetic	magnetic	E en de const	
THP DULION					⊏quipped	⊏quipped	⊏quipped	∣ ⊏quippea	⊏quipped	⊏quipped	

Note (*1) Use two poles for three- and four-pole products. If wired as shown on the right, three and four poles can be used for up to 400VDC and 500VDC, respectively.
(*2) Use two poles for three- and four-pole products. If wired as shown on the right, three and four poles can be used for up to 500VDC and 600VDC, respectively.

respectively. (*3) PAL and OAL are not available together. Only one can be specified.



 C Series		S Series			H Series		U Se	ries	
250		250			250		25	0	
(CEEE)	(1997)	17		(19)	69		17	1	
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THE PROPERTY OF	TEL # 1820 1	101 m	C. mark	red entities in	100 m	1. mar 1.	1.4°	E.	
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in the second	P (P (P))	9696	100	PEREP	14.64	100	927	1 m J	
NE250-CW	NE250-SW	NF250-SGW	NF250-SGW	NE250-HW	NF250-HGW	NF250-HGW	NF250-RGW	NF250-UGW	
NI 230-0W	111230-011	RT	RE	11230-1100	RT	RE	RT	RT	
(100) 105 150 175	(100) 125 150 175			105 150 175					
200 225 250	200 225 250	125-160 160-250	125-250	200 225 250	125-160	125-250	125-160 160-225	125-160 160-225	
200 223 230	200 220 200			200 223 230	160–250				
40	40	40	40	40	40	40	40	40	
2 3	2 3 4	2 3 4	3 4	2 3 4	2 3 4	3 4	2 3	2 3 4	
600	690	690	690	690	690	690	690	690	
-	-	8/8	8/8	5/3	20/20	20/20	25/25	30/30	
-	-	22/22	22/22	-	35/35	35/35	125/125	-	
10/5	15/8	30/30	30/30	30/8	50/50	50/50	125/125	200/200	
15/8	25/13	36/36	36/36	50/13	65/65	65/65	125/125	200/200	
18/9	30/15	36/36	36/36	50/13	70/70	70/70	125/125	200/200	
18/9	30/15	36/36	36/36	50/13	75/75	75/75	125/125	200/200	
18/9	30/15	36/36	36/36	50/13	75/75	75/75	125/125	200/200	
35/18	50/25	85/85	85/85	100/25	100/100	100/100	125/125	200/200	
10/5 (*1)	15/8 (*1)	-	-	40/20 (*1)	-	-	-	_	
-	-	20/20 (*2)	-	-	40/40 (*2)	-	-	-	
•	•	•	•	•	•	•	•	•	
A	A	A	A	A	A	<u>A</u>	A	A	
•	•	•	•	•	•	•	•	•	
6	6	8	8	6	8	8	8	8	
2	2	3	3	2	3	3	3	3	
8,000	12,000	25,000	25,000	12,000	25,000	25,000	25,000	25,000	
4,000	4,000	15,000	15,000	4,000	15,000	15,000	15,000	15,000	
4,000	4,000	10,000	10,000	4,000	10,000	10,000	10,000	10,000	
-	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
-	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
105	105 140	105 140	105 140	105 140	105 140	105 140	105	105 140	
165	165	165	165	165	165	165	240	240	
68	68	86	86	68	86	86	86	86	
92	92	110	110	92	110	110	110	110	
1.3 1.5	1.3 1.5 1.9	2.0 2.6	2.0 2.6	1.3 1.5 1.9	2.0 2.6	2.0 2.6	3.1	3.1 3.9	
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 Thermal-	Thermal-	Thermal-	Flectronic	Thermal-	Thermal-	Flectronic	Thermal-	Thermal-	
 magnetic	magnetic	magnetic	LICOUDIIC	magnetic	magnetic	LIGOTOTIC	magnetic	magnetic	
Equipped	Equipped	Equipped	Equipped	Equipped	Equipped	Fauipped	Equipped	Equipped	

Series				C Series	SS	eries	НS	eries	
Frame Size				400	4	00	400	400	
Image				사이다 문 성정사				alata Ma	
Type name				NF400-CW	NF400-SW	NF400-SEW	NF400-HEW	NF400-REW	
Rated current In	ı (Amp.)			250 300 350 400	250 300 350 400	200~400 adjustable	200~400 adjustable	200~400 adjustable	
Rated ambient t	emperature	(°C)		40	40	40	40	40	
Number of poles	s			2 3	2 3 4	3 4	3 4	3	
Rated insulation	i voltage Ui (V)	0001/	690	690	690	690	690	
Rated short-circuit breaking capacities (kA)	IEC 6 (Icu	0947-2 AC 1/lcs) (50/60Hz)	500V 500V 440V 415V 400V 380V	15/8 25/13 36/18 36/18 40/20	$\begin{array}{c} 30/30(25/25) (*1) \\ 42/42(36/36) (*1) \\ 45/45(36/36) (*1) \\ 45/45(36/36) (*1) \\ 50/50(42/42) (*1) \end{array}$	$\begin{array}{c} 10/10(3)7(*1)\\ 30/30(25/25) *1\\ 42/42(36/36) (*1)\\ 50/50(36/36) (*1)\\ 50/50(36/36) (*1)\\ 50/50(42/42) (*1) \end{array}$	50/50 65/65 70/70 70/70 70/70	70/35 125/63 125/63 125/63 125/63	
			230V	50/25	85/85(65/65) (*1) 40/40 *4	85/85(65/65) (*1)	100/100	150/75	
Suitability for isc	plation		2000	•	••••	•	•	•	
Utilization categ	ory			A	A	В	B	B	
Rated short-time	e withstand o	urrent Icw (kA)		-	-	5	5	5	
Reverse connec	ction (termina	als unmarked)		•	•	•	•	↓ •	
Pollution degree	viinstand vol	lage Uimp (KV)		8	8	8	8	8	
Foliution degree	5	La, Lca,		140	140 185	140 185	140 185	140	
Overall dimensio	one (mm)		b	257	257	257	257	257	
Overall dimensio		Ыра	С	103	103	103	103	103	
			са	134	155	155	155	155	
Mass of front-fac	ce type (kg)			4.4 5.0	4.6 5.2 6.8	6.0 7.6	6.0 7.6	6.0	
		Screw termina	al x) torminal (SL)	-	-	-	-	-	
Installation	Fixed	Front Solderless (b).	x) terminar (SL)				-	-	
and		Rear	(B)		•		•	•	
connections	Discrite	Rear	(PM)	ě	ě	ě	ě		
	Plug-in	Rear/front IP20	(PM-IP)	-	_	-	-	-	
	Alarm swit	ch	(AL)	•	•	•	•	•	
Cassette-type	Auxiliary s	witch	(AX)	•	•	•	•	•	
(option)	Snunt trip	Non-Synchronous	(SHI) Closing (LIVT-N)				•		
(001011)	Undervoltag	ge trip (UVT) Synchronous C	losing (UVT-S)						
Accessorie's	with Lead-	wire terminal block	(SLT)	•	•	•	•	•	
connection	with Intern	al terminal type	(INT)	-	-	-	-	-	
(option)	with Flying	leads		•	•	•	•	•	
Built-In accessories	Pre-alarm	(contact output) (*3)	(PAL)	-	-	• (*2)	• (*2)	• (*2)	
(option)	Overcurre	nt trip alarm (*3)	(OAL)	-	-	-	-	-	
		Dustaroof	(S)	-	_	_	-	-	
	Enclosure	Dusipiooi	(1)	•	• -	• -	-	-	
		Waterproof	(VV)	•	• -	• -	-	-	
	Electrical operation	operated type	(MD)	•	•	•	•	•	
	device	charge type	(MDS)	•	•	•	•	•	
	wiechanica	II III III III III III III III III III	(IVII)						
	Handle loc	k device Handle lock	(HL-S)	ě	ě	ě	ě	•	
External	Lock cove	r	(<u>L</u> C)						
(option)	External	Mounted on breaker	(F)	•	•	•	•	•	
	bandle	Door mounting	(V)	•	•	•	•	•	
	mandio		(S)	•	•	•	•	•	
	Insulating	Between phase	(BA-F)		•	•		+ •	
	Damei	Large	(BA-G)				-	<u>+</u>	
	T	Small	(TC-S)	-	-	-	_	-	
	cover	Transparent	(TTC)	•	•	•	•	•	
	00101	for rear connection	(BTC)	•	•	•	- •		
		tor plug-in	(PTC)		• -		-		
			L/K					+	
Marine approval			BV	i i					
approva			DNV	-		- I		-	
			ABS	•	• -	• -	• -	•	
Automatic trippin	ng device			Thermal-	Thermal-	Electronic	Electronic	Electronic	
Trip buttop	•			Equipped	Equipped	Equipped	Equipped	Equipped	
	(- -	a terminal breaking	ity decreases *			լ բզարիզո			1

(*1) In case of solderless terminal, breaking capacity decreases to (/).
(*2) Solid state relay output is option. Please specify if other output is necessary. (Standard type is with SLT equipped.)
(*3) PAL and OAL are not available together. Only one can be specified.
(*4) Use two poles for three- and four-pole products. If wired as shown on the right, three and four poles can be used for up to 400VDC and 500VDC, respectively.



U Serie	es	C Series	S	Series	HS	eries
400		630		630	630	630
		3.8.8	3.36.8	5.8.8	3.8.6	3.3.2
					and the second second	
					B	F
- HOLE			50 - 6-j.C	and a	alata.	- mark
222		s a a	2344	Side L	.8.8.6	.84848
				NECOO SEW		
NF400-0	Evv	NF630-CW	NF630-SW	NF630-SEW	NF630-HEVV	NF630-REW
200~40	00			300~630	300~630	300~630
adjustat	ble	500 600 630	500 600 630	adjustable	adjustable	adjustable
40		40	40	40	40	40
 2 40	4	2 3	40	40	40	40
690	-	690	690	690	690	690
_		_	10/10	10/10	35/18	_
170/17	0	18/9	30/30	30/30	50/50	70/35
200/20	0	36/18	42/42	42/42	65/65	125/63
200/20	0	36/18	50/50	50/50	70/70	125/63
200/20	0	36/18	50/50	50/50	70/70	125/63
200/20	0	40/20	50/50	50/50	70/70	125/63
 200/20	0	20/10 (*/)	<u>40//0 (*/)</u>			-
 •		•	••••	•	•	•
B		Ā	Ă	B	B	B
 5				7.6	7.6	7.6
•		•	•	•	•	•
8		8	8	8	8	8
 140	280	3	3	140 195	3	3
297	322	257	257	257	257	257
200	022	103	103	103	103	103
252		155	155	155	155	155
16.2	25.4	5.2 6.0	5.4 6.2 8.0	6.5 8.3	6.5 8.3	6.5
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• (*2))	_	_	• (*2)	• (*2)	• (*2)
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 Electror	nic	Thermal-	Thermal-	Electronic	Electronic	Electronic
-		magnetic	magnetic		2.00000	
Equippe	ea	Fauinned	Equipped	L Fauipped	L Fauinned	Equipped

Series				C Series	S S	eries	H	Series	
Frame Size				800	8	00		800	
Image									
Type name				NF800-CEW	NF800-SDW	NF800-SEW	NF800-HEW	NF800-REW	
Rated current In	(Amp.)			400~800 adjustable	(700) 800	400~800 adjustable	400~800 adjustable	400~800 adjustable	
Rated ambient te	emperature ((°C)		40	40	40	40	40	
Number of poles	voltage I li ()	(A)		3	2	3 4	3 4	3	
nateu insulation		v)	690V			10/10	15/15		
Rated short-circuit breaking	IEC 6	AC 0947-2 (50/60Hz)	500V 440V 415V 400V	18/9 36/18 36/18	_ _ _ _	30/30 42/42 50/50	50/50 65/65 70/70 70/70	70/35 125/63 125/63 125/62	
capacities (kA)			380V 230V	40/20 50/25	-	50/50 85/85	70/70 100/100	125/63 150/75	
Suitability for ico	lation ~~	DC	250V	-	40/40 (*3)	-	-	-	
Utilization catego	ory			В	Ā	B	В	В	
Rated short-time	withstand c	urrent low (kA)		9.6	-	9.6	9.6	9.6	
Reverse connec	tion (termina	ils unmarked)		•	•	•	•	•	
Pollution degree	ninstanu voit	age oimp (kv)		3	3	3	3	3	
0			а	210	210	210 280	210 280	210	
Overall dimension	ons (mm)		b	275	275	275	275	275	
			c	103	103	103	103	103	
Mass of front-fac	ce type (kg)			10.9	9	10.9 14.2	10.9 14.2	10.9	
		Screw termina		-	-	-	-	-	
Installation	Fixed	Front Solderless (bo) Bushar termin	k) terminai (SL) al				-	-	
and		Rear	(B)	i i		ě	l i	i i	
connections	Plua-in	Rear	(PM)	•	•	•	•	•	
	Alarm cwite	Rear/front IP20	(PM-IP)	-	-	-	-	-	
Cassette-type	Auxiliary sv	witch	(AL) (AX)						
accessories	Shunt trip		(SHŤ)		ě	ě	ě		
(option) (*4)	Undervoltag	e trip (UVT) Non-Synchronous	Closing (UVT-N)	•	•	•	•	•	
Accessorie's	with Lead-v	vire terminal block	(SLT)					-	
connection	with Interna	al terminal type	(INT)	-	-	-	-	-	
(option)	with Flying	leads		•	•	•	•	•	
Built-in accessories	Pre-alarm	(contact output) (*2)		• (*1)	-	• (*1)	• (*1)	• (*1)	
(option)	Overcurren	nt trip alarm (*2)	(OAL)	-	-	-	-	-	
		Dustproof	(S)	-	-	-	-	-	
	Enclosure	Waterproof	(1)			• -	-	-	
	Electrical	Motor- operated type	(MD)	•	•	•	•	•	
	device	Spring- charge type	(MDS)	•	•	•	•	•	
	Mechanica	l interlock	(MI)	•	•	•	•	•	
	Handle loc	k device Handle lock	(HL) (HL-S)	•	•	•	•	•	
External	Lock cover		(LC)	-	-	-	-	-	
(option)	External	Mounted on breaker	(F)	•	•	•	•	•	
	operating	De au martin a	(V)	•	•	•	•	•	
	nanue	Door mounting	(S)	•	•	•	•	•	
	barrier	Between phase	(BA-F)					•	
		Large	(TC-L)	•	•	•	•	•	
	Terminal	Small	(TC-S)	-	-	-	-	-	
	cover	Transparent	(TTC)	•	•	•	•	•	
		for plug-in	(BTC)	-	-	-	-	-	
	1		L/R	•		• -	• -	•	
Marina anna			G/L	•	-	• -	-	•	
warine approval			BN					-	
			ABS		_	• -	• -	•	
Automatic trippir	ng device			Electronic	Thermal- magnetic	Electronic	Electronic	Electronic	
Trip button				Equipped	Equipped	Equipped	Equipped	Equipped	

Note (*1) Solid state relay output is option . Please specify if other output is necessary. (Standard type is with SLT equipped.)
(*2) PAL and OAL are not available together. Only one can be specified.
(*3) Specify if for DC use.
(*4) Cassette-type accessories are not compatible with NF1000-SW, NF1250-SW, NF1250-SDW, NF1600-SW, and NF1600-SDW.

U Series	1000		S Series	100	0
800	1000	1	200	160	
2.2.2		<u></u>			
and the factor			· · · .	* *	
	<i>i</i>	10	<i>p</i>	P.	P
712712A	and the second se	- Linear -			
	222	111	5 6	5 5 B B	11 B
NF800-UEW	NF1000-SEW	NF1250-SEW	NF 1250-SDW	NF1600-SEW	NF 1600-SDW
400800	500-1000	600~1250		800~1600	
adjustable	adjustable	adjustable	1000 1250	adjustable	1600
10	10				10
40	40	40	40	40	40
3 4	3 4	3 4	2	3 4	2
35/35	25/13	25/13	690	25/13	690
170/170	65/33	65/33		65/33	
200/200	85/43	85/43	_	85/43	_
200/200	85/43	85/43	_	85/43	-
200/200	85/43	85/43	-	85/43	-
200/200	85/43	85/43	-	85/43	-
 200/200	125/63	125/63	_	125/63	_
 -	-		40/20 (*3)	-	40/20 (*3)
 •	•	•	•	•	•
9.0	20	20	A	20	A
5.0		•	-	20	-
8	8	8	8	8	8
3	3	3	3	3	3
210 280	210 280	210 280	210	210 280	210
 322	406	406	406	406	406
 200	140	140	140	140	140
252	190	190	190	190	190
27.6 33.7	23.5 30.7	23.5 30.7	22	34.5 41.2	32
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• (*1)	• (*1)	• (*1)	-	• (*1)	-
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			 Thermal-	_	
Electronic	Electronic	Electronic	magnetic	Electronic	Magnetic
Equipped	Equipped	Equipped	Equipped	Equipped	Equipped

Molded-Case Circuit Breakers and Motor Breakers

NF32-SW NF63-CW NF63-SW NF63-HW MB30-SW MB50-CW MB50-SW



Type	name			NF32	2-SW	NF63	3-CW		F63-	SW	NF	63-H	w	MB30-SW	MB	50-CW	MB50	-SW
Rateo	l current In (Am	ıp.)		3 4 (5 (15) 16 (30)) 6 10 20 25 32	3 4 (5) 6 16 20 2 40 50	10 (15) 5 (30) 32 (60) 63	3 4 16 3 4	(5)61 2025(050(6)	0 (15) (30) 32 0) 63	10 (1 25 (3 50	5) 16 0) 32 (60) 6	20 40 53	0.8 1.2 1.4 2 2.5 4 5 7.1 8 10 12 16 25 32	8 1 16 40	10 12 25 32) 45	0.8 1.4 2 4 5	1.2 2.5 7.1
Numb	er of poles			2 (*1)	3	2 (*1)	3	2 (*1) 3	4	2 (*1)	3	4	3		3	3	
Rated	insulation volta	age Ui (V))	60	00	60	00		600)		690		500		500	50	00
kA) ^{Lit}			690V	-	-	-	-		-		2.5/1		-		-	-	-	
ity (500V	2.5	5/1	2.5	5/1		7.5/	4		7.5/4		-		-	-	-
ort-o	IEC 60947-2	AC	440V	2.5	5/1	2.5	5/1		7.5/	4		10/5		2.5/1	2	2.5/1	7.5	5/4
d sh	(Icu/Ics)		400V	5/	/2	5	/2		7.5/	4		10/5		5/2		5/2	7.5	5/4
king			230V	7.5	5/4	7.	5/4		15/8	3	2	25/13	3	7.5/4	7	7.5/4	15	/8
bra Dra		DC	250V	2.5/1	-	2.5/1	-	7.5/	4	-	7.5/4	-		-		-	-	-
Stand (Fron	lard Attached P t connection)	arts				N	Mountir nsulati	ng s ion l	crew: barrie	M4 r: (2	×0.7× P: 1p	:55 (2 c, 3P	2 and 1: 2p	d 3P: 2pcs, 4 cs, 4P: 3pcs	P: 4pc (*2)	s)		

Note (*1) Types of DC specifications can be produced upon request. (*2) These are supplied with NF63-SW, NF63-HW, and MB50-SW models.

Type NF63-SW





■External Accessories

Accessories		Type name	Reference page		Accessorie	s	Type name	Reference page
	F	F-05S (*1)	61	м	lechanical	MI	ML 05 SM2 (#1)	70
Operating handle	V	V-05S	64		interlock	IVII	101-055005 (*1)	79
	S	S05SW	68	ē	Small	TC-S	TCS-05SW3W (*1)	
	LC	LC-05SW		S	Large	TC-L	TCL-05SW3W (*1)	
Handlo lock dovice	(*2)	HLF-05SW		nal	Skeleton	TTC	TTC-05SW3 (*1)	70
	HL	HLN-05SW	80	erm.	Rear	BTC	BTC-05SW3W (*1)	
	HL-S	HLS-05SW (*1)		Ĕ	Plug-in	PTC	PTC-05SW3W (*1)	
				m	IEC 35mm ra ounting adap (option)	ail ters	DIN-05SW	80

Note (*1) The designation depends on the number of poles. Refer to the reference page. (*2) HLF types are used for OFF-lock, and HLN types for ON-lock.

Front connection





Plug-in



Molded-Case Circuit Breakers and Motor Breakers

NF125-CW NF125-SW NF125-HW MB100-SW



Туре	e name			NF12	5-CW	NF	125-S	W	NF	125-H	W	MB100-SW
Rate	d current In (Amp.	.)		50 (60) 80 10	63 (75) 10 125	(15) 32 40 (75)	16 20) 50 (6 80 10((30) 0) 63 0 125	(15) 32 40 (7	16 20 0 50 (6 5) 80 1	(30) 0) 63 00	(12.5) (16) (25) 32 (40) 45 63 71 90 100
Num	ber of poles			2	3	2	3	4	2	3	4	3
Rate	d insulation voltag	e Ui (V)	-	60	00		690			690		500
			690V	-	-		8/4			10/5		-
τĘ (Υ			500V	7.	5/4		18/9			30/15		-
ity (AC	440V	10)/5		25/13			50/25		25/13
ort-c	IEC 60947-2		400V	10)/5		30/15			50/25		30/15
sh	(Icu/Ics)		230V	30	/15		50/25			100/50)	50/25
ated			250V	7.5/4	-	15/8	-	-	40/20	-	-	-
bral		DC (*1)	400V	-	7.5/4	-	15/8	-		40/20		-
			500V	-	_	-	-	15/8	-	-	40/20	-
Stand (Front	ard Attached Parts	5			Mountine Insulatio	g screv n barri	v: M4> er: (2F	<0.7×5 P: 1pc,	5 (2 ar 3P: 2p	nd 3P: ocs, 4F	2pcs, 4 P: 3pcs	4P: 4pcs)) (*2)

Note (*1) When wired as shown at the bottom of page 13, 3-pole models can be used for up to 400 V DC, and 4-pole models for up to 500 V DC. (*2) These are supplied with NF125-SW, NF125-HW, and MB100-SW models.

■Operating Characteristics



Internal Accessories =



■Ambient Compensating Curve



Remark: 1. Refer to page 48.

■External Accessories =

Accessories	;	Type name	Reference page		Accessorie	s	Type name	Reference page
	F	F-1S (*1)	61	N	lechanical	NAL.		70
Operating bandle	V	V-1S	64		interlock		IVII-055VV3 (*1)	/9
S		S1SW	68	er	Small	TC-S	TCS-1SW3W (*1)	
LC		LC-1SW		S S	Large	TC-L	TCL-1SW3W (*1)	
Llandla la alc davias	(*2)	HLF-1SW		minal	Skeleton	TTC	TTC-1SW3 (*1)	70
Handle lock device	ÌΗĹ	HLN-1SW	80		Rear	BTC	BTC-1SW3W (*1)	
	HL-S	HLS-1SW (*1)(*2)		Te	Pulg-in	PTC	PTC-1SW3W (*1)	
					IEC 35mm mounting ada	rail apters	DIN-1SW3 (*1)	80
					Electrical operation dev	vice	MDS-NF1SWE (*3)	71

Note (*1) The designation depends on the number of poles. Refer to the reference page.

(*2) Specify the working voltage. An order should be placed at the same time as an order of circuit breaker main body.
 (*3) HLF and HLS types are used for OFF-lock, and HLN types for ON-lock.

Front connection







Plug-in



Note (*1) It can respond to the attachment size of 110 and 111 both sides. Remark: 1. 2-pole model of NF125-HW are 3-pole model with the central pole removed.

Molded-Case Circuit Breakers

NF400-CW NF400-SW



				NE400-CW NE400-SW				
Туре	name			NF40	0-CW	N	IF400-SV	V
Rated	d current In (A	Amp.)			250 300	350 40	00	
Numb	per of poles			2	2	3	4	
Rated insulation voltage Ui (V)			69	90		690		
ky it			690V	-	-		10/10	
LEC 60947-			500V	15	/8		30/30	
	IEC 60947-2	AC	440V	25/	'13		42/42	
d sh	(Icu/Ics)	400V		36/	'18		45/45	
lateo akin			230V	50/	25	85/85		
bre		DC(*1)	250V	20/	'10		40/40	
Stand	ard Attached	Parte	Front connection	Mo Insulating ba	unting screw arrier: (2P: 2	: M6×60 pcs, 3P:	(4pcs) 4pcs, 4F	: 6pcs)
Standard Attached Parts Rear connectio			Rear connection	Мо	unting screw	: M6×72	(4pcs)	

Note (*1) When wired as shown at the bottom of page 17, 3-pole models can be used for up to 400VDC, and 4-pole models for up to 500VDC.

■Operating Characteristics



■Internal Accessories =



Note (*1) Right-side mounting is standard of SHT and UVT. Specify separately for left-side mounting. Remark: 1. Refer to page 49.

■External Accessories

An order for 环 should be placed at the same time as an order of circuit breaker main body.)									
Accessories		Type name	Reference page		Accessories		Type name	Reference page	
	F	F-4S	62	over	Large	(TC-L)	TCL-4SW3 (*1)		
Operating handle	V	V-4S	65	inal o	Skeleton	(TTC)	TTC-4SW3 (*1)	70	
	S	S4CW, S4SW	68	Tern	Rear	(BTC)	BTC-4SW3 (*1)		
Mechanical interlock	(MI)	MI-4SW3 (*1)	79	Har	ndle	HL	HL-4CW, HL-4SW	80	
Auxiliary bandle	(HT)		80	locł	device	HL-S	HLS-4SW	00	
, axinary nariole	(,,,,)	111 401, 111 40W	00	Electrical operation device			☆	71	

Note (*1) The designation depends on the number of poles. Refer to the reference page.

2h 1h Туре NF400-SW 30min 20min 14min 10min 6min 4min 2mir 1mir Operating time Max. 305 20s 10s 5s Min 2s 1s 0.5s 0.2 AC 0.1s Maxt 0.05s 0.02 Time de eous trip -0.01s 100 125 200 300 400 500 600 700 1000 1500 2000 3000 4000 % of Rated current

■Ambient Compensating Curve







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

Molded-Case Circuit Breakers

NF400-SEW NF400-HEW NF400-REW



Type	name			111400					
Rateo	d current In (A	Amp.)		200-400 adjustable					
Numb	Number of poles				3 4		4	3	
Reteo	Reted insulation voltage Ui (V)				90	69	90	690	
(kA)			690V	10/	'10	35	/18	—	
t-circ	city (AC	500V	30/30		50/50		70/35	
short	IEC 60947-2		440V	42/	42/42		/65	125/63	
ted :	(ICU/ICS)		400V	00V 50/50		70/70		125/63	
Brea			230V	85/85		100	/100	150/75	
Stand	Standard Attached Barta		Front connection	Ins	Mounti sulating I	ng screw barrier: (: M6×72 3P: 4pcs	2 (4pcs) s, 4P: 6pcs)	
Stariu		rans	Rear connection	Mounting screw: M6×85 (4pcs)					

Type NF400-SEW

Operating Characteristics =



Internal Accessories



Note (*1) Right-side mounting is standard of SHT and UVT. Specify separately for left-side mounting. Remark: 1. Refer to page 49.

Temperature Characteristics



External Accessories

(An order for 🛱 should be placed at the same time as an order of circuit breaker main body.)									
Accessories		Type name	Reference Accessories		s	Type name	Reference page		
	F	F-4S	62	over	Large	(TC-L)	TCL-4SW3 (*1)(*2)		
Operating handle	V	V-4S	65	linal c	Skeleton	(TTC)	TTC-4SW3 (*2)	70	
	S	S4SW	68	Term	Rear	(BTC)	BTC-4SW3 (*1)(*2)		
Mechanical interlock	(MI)	MI-4SW3 (*2)	79	Handle		HL	HL-4SW	80	
Auxiliary handle (HT)		HT-4SW	80	locł	< device	HL-S	HLS-4SW	00	
					ctrical operat ^r ice	ion	☆	71	

Note (*1) This is for NF400-SEW.

(*2) The designation depends on the number of poles. Refer to the reference page.



Plug-in



Type NF630-CW

Max

Molded-Case Circuit Breakers

NF630-CW NF630-SW



Type NF630-SW

Туре	name			NF63	0-CW	N	IF630-SV	N
Rateo	d current In (Amp.)			500 60	00 630		
Numb	per of poles			2	2	3	4	
Reteo	d insulation v	oltage	Ui (V)	69	90		690	
k) it			690V	-	-		10/10	
ity (500V	18	/9		30/30	
ort-c	IEC 60947-2	AC	440V	36/	'18	42/42		
d sh	(Icu/Ics)	400V		36/	'18		50/50	
ated			230V	50/	85/85			
bre		DC (*1)	250V	20/	'10	40/40		
Stand	ard Attached	Parts	Front connection	Mo Insulating b	unting screw arrier: (2P: 2	: M6×72 pcs, 3P:	2 (4pcs) 4pcs, 4F	P: 6pcs)
with a	uxiliary handle.)	Rear connection	Mounting screw: M6×85 (4pcs)				

Note (*1) When wired as shown at the bottom of page 17, 3-pole models can be used for up to 400VDC, and 4-pole models for up to 500VDC.



■Internal Accessories =

■Operating Characteristics

2h

1h

30mir

20min 14min 10min

6mir 4mir

2mir

1mir

30s

20s

10s

5s

2s

1s

0.5s

0.2s

0.1s

0.05

0.02s

0.01s

Operating time



% of Rated current

300 400

200

Note (*1) Right-side mounting is standard of SHT and UVT. Specify separately for left-side mounting. Remark: 1. Refer to page 49.

External Accessories

An order for \bowtie should be placed at the same time as an order of circuit breaker main body.)									
Accessories		Type name	Reference page	Reference Accessories		Type name	Reference page		
	F	F-4S	62	over	Large	(TC-L)	TCL-4SW3 (*1)		
Operating handle	V	V-4S	65	inal o	Skeleton	(TTC)	TTC-4SW3 (*1)	70	
	S	S4SW	68	Term	Rear	(BTC)	BTC-4SW3 (*1)		
Mechanical interlock	(MI)	MI-4SW3 (*1)	79	Har	ndle	HL	HL-4SW	80	
Auxiliary handle	(HT)	HT-4SW	80	loc	k device	HL-S	HLS-4SW	00	
, axinary nariole	(11)			Electrical operation device		\$	71		

Note (*1) The designation depends on the number of poles. Refer to the reference page

■Ambient Compensating Curve





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

Molded-Case Circuit Breakers

NF630-SEW NF630-HEW NF630-REW



Type NF630-SEW

Туре	name			NF630)-SEW	NF630	-HEW	NF630-REW																								
Rateo	d current In (A	Amp.)				300- adjus	-630 table																									
Num	Number of poles				3 4 3		4	3																								
Reteo	Reted insulation voltage Ui (V)				90	69	90	690																								
(kA)			690V	10/	/10	35/	'18	—																								
-circ		2 AC	AC	AC	AC	AC	500V	30/30		50/50		70/35																				
short	IEC 60947-2						AC	AC	AC	AC	AC	AC	AC	440V	42	/42	65/	65	125/63													
ted s king	(ICU/ICS)																															
brea			230V	85/	/85	100/	100	150/75																								
Stand	Standard Attached Parts (4 pelo modelo are provided				Mounting lating ba	g screw: arrier: (3	M6×72 P: 4pcs,	(4pcs) 4P: 6pcs)																								
with a	uxiliary handle.)	Rear connection	I	Mounting	screw:	Mounting screw: M6×85 (4pcs)																									

Operating Characteristics =



Internal Accessories =



Note (*1) Right-side mounting is standard of SHT and UVT. Specify separately for left-side mounting. Remark: 1. Refer to page 49.

External Accessories =

(An order for 🛱 should be placed at the same time as an order of circuit breaker main body.)									
Accessories		Type name	Type name Reference page		Accessorie	es	Type name	Reference page	
F		F-4S	62	over	Large	(TC-L)	TCL-4SW3 (*2)		
Operating handle V		V-4S	65	inal c	Skeleton	(TTC)	TTC-4SW3 (*2)	70	
	S	S4SW	68	Tern	Rear	(BTC)	BTC-4SW3 (*2)		
Mechanical interlock	(MI)	MI-4SW3 (*1)	79	Handle		HL	HL-4SW	80	
Auxiliary handle (HT)		HT-4SW	80	80 lock device		HL-S	HLS-4SW	00	
				Ele dev	ctrical operat	ion	\$	71	

Note (*1) This is for NF630-SEW

(*2) The designation depends on the number of poles. Refer to the reference page.

■Temperature Characteristics







165.5

¢_ 280



6

Molded-Case Circuit Breakers

NF800-CEW NF800-SEW NF800-HEW NF800-REW



Туре	name			NF800-CEW	NF800	-SEW	NF800)-HEW	NF800-REW
Rate	d current In (/	Amp.)				400 adjus	-800 itable		
Num	ber of poles			3 3 4 3 4 3				3	
Rate	d insulation v	oltage	Ui (V)	690	69	90	69	90	690
(kA)			690V	—	10	/10	15,	/15	—
-circ	150 000 17 0		500V	18/9	30	/30	50,	/50	70/35
cape	IEC 60947-2	AC	440V	36/18	42	/42	65	/65	125/63
ted s aking	(ICU/ICS)		400V	36/18	50	/50	70/70		125/63
Ba			230V	50/25	85	/85	100	/100	150/75
Stand	ard Attached	Parts	Front connection	Mounting screw: M6× n Insulating barrier: (3P: 2p				1pcs) IP: 3pcs)	
with a	uxiliary handle.)	Rear connection		Mour	iting screw	: M6×40 (4	4pcs)	

Type NF800-SEW

■Operating Characteristics =



Internal Accessories



Note (*1) Right-side mounting is standard of SHT and UVT. Specify separately for left-side mounting. Remark: 1. Refer to page 49.

External Accessories =

(An order for 🛱 should be placed at the same time as an order of circuit breaker main body.)										
Accessories		Type name	Reference page	Accessories		Type name	Reference page			
	F	F-8S	62	over	Large	(TC-L)	TCL-8SW3 (*1)			
Operating handle	V	V-8S	65	inal o	Skeleton	(TTC)	TTC-8SW3 (*1)	70		
	S	S4SW	68	Terr	Rear	(BTC)	BTC-8SW3 (*1)			
Mechanical interlock (MI) M		MI-8SW3 (*1)	79	Hai	ndle	HL	HL-4SW	80		
Auxiliary handle	(HT)	HTASW	80	loc	k device	HL-S	HLS-8SW	00		
Auxiliary handle	(111)	111-4000	00	Electrical operation device		n device	☆	71		

Note (*1) The designation depends on the number of poles. Refer to the reference page.

Current Reducing Curve =



The rated current does not depend on temperature. However, if ambient temperature exceeds 40°C, reduce the continuous working current as left curve.





Molded-Case Circuit Breakers

NF1000-SEW NF1000-SEW NF1250-SEW Type name 500-1000 600-1250 **NF1250-SEW** Rated current In (Amp.) Adjustable Adjustable Number of poles 3 4 3 4 Reted insulation voltage Ui (V) 690 690 25/13 25/13 690V Rated short-circuit (kA) capacity 500V 65/33 65/33 IEC 60947-2 440V 85/43 85/43 AC (Icu/Ics) preaking (400V 85/43 85/43 230V 125/63 125/63 Mounting screw: M8×40 (4pcs) Front Insulating barrier: (3P: 2pcs, 4P: 3pcs) Auxiliary handle: (1pc) connectio Standard Attached Parts Mounting screw: M8×40 (4pcs) Rear Insulating barrier: (3P: 2pcs, 4P: 4pcs) Type NF1250-SEW connection Auxiliary handle: (1pc)

Operating Characteristics =





400 500 600 700 Current (of Ir) Instantaneous tripping current (of In)

1000

1500 2000

3000 4000

Internal Accessories =



■External Accessories

(An order for $ m cm$ should be placed at the same time as an order of circuit breaker main body.)										
Accessories		Type name	Reference page	Accessories	Type name	Reference page				
Operating handle	F	F10SW (*1)	_	Auxiliary handle	HT-10SW	80				
Operating nandle	S	S10SW	68	Handle lock (HL)	\$	00				
Mechanical interlock	(MI)	MI-10SW3 (*1)	79	Large terminal cover (TC-L)	TCL-10SW3 (*1)	70				
				Electrical operation device	☆	71				

Note (*1) The designation depends on the number of poles. Refer to the reference page

■Current reduction curve

100 125

200 300

0.02

0.01s

60 70



Front connection



Rear connection





Plug-in



Molded-Case Circuit Breakers

NF1600-SEW



Type NF1600-SEW

Туре	name			NF160	0-SEW	
Rated	d current In (/	Amp.)		Adjus 800–	table 1600	
Numb	per of poles			3 4		
Reteo	d insulation v	oltage	Ui (V)	69	90	
(kA)			690V	25/	/13	
t-cird	circi	AC	500V	65/33		
shor	IEC 60947-2		440V	85/	/43	
ted s	(lcu/lcs) AC 4400 4000		400V	85/43		
Ra brea			230V	125	5/63	
Stand	dard Attached	d	Front connection	Mounting screw: Insulating barrier: (3 Auxiliary har	M8 × 40 (4pcs) 3P: 2pcs, 4P: 3pcs) ndle: (1pc)	
Parts	i		Rear connection	Mounting screw: M8 × 40 (4pcs) Auxiliary handle: (1pc)		



Internal Accessories =



Current reducing curve



External Accessories

(An order for $ m m h$ should be placed at the same time as an order of circuit breaker main body.)							
	Accessories		Type name	Reference page	Accessories	Type name	Reference page
	Operating handle	F	F10SW (*1)	—	Auxiliary handle	HT-10SW	- 80
		S	S10SW	68	Handle lock (HL)	\$	
	Mechanical interlock	(MI)	MI-16SW3 (*1)	79	Electrical operation device	☆	71

Note (*1) The designation depends on the number of poles. Refer to the reference page.



Rear connection

