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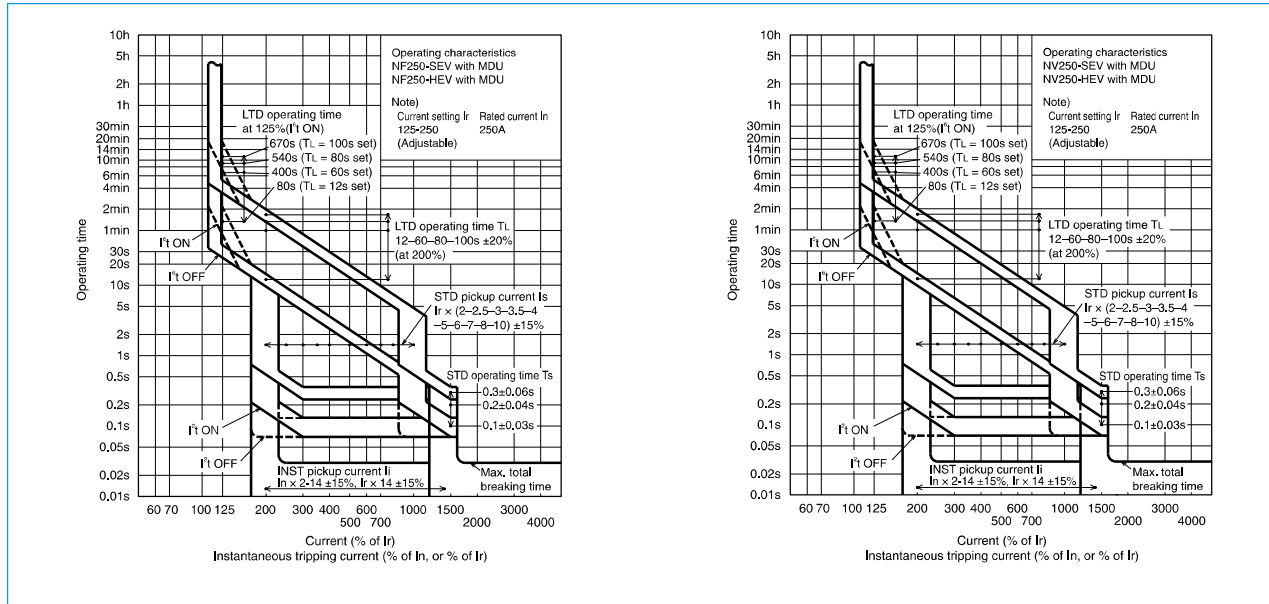
NF250-SEV with MDU NF250-HEV with MDU



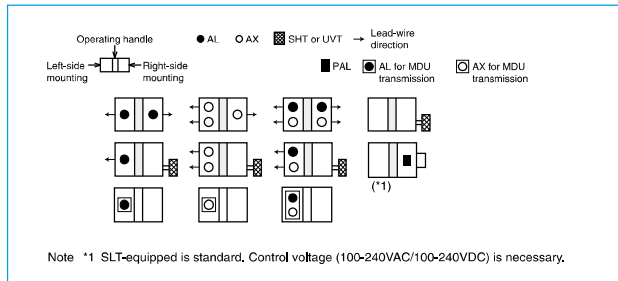
Model		NF250-SEV with MDU	NF250-HEV with MDU
Rated current I _n (A)		250	250
Rated ambient temperature 40°C		125-250	125-250
Current setting I _r (A)		125-250	125-250
Number of poles		3 4	3 4
Rated insulation voltage U _i (V)		690	690
Rated short-circuit breaking capacity (kA)	IEC 60947-2 (Icu/Ics)	AC	
		690V	8/8 10/8
		500V	18/18 30/23
		440V	36/36 50/50
		415V	36/36 70/70
		400V	36/36 75/75
		380V	36/36 75/75
DC			
230V	85/85 100/100		
250V	-	-	
Standard attached parts (Front connection)		Mounting screw M4 × 0.7 × 55 (3P: 2pcs, 4P: 4pcs) Insulation barrier (3P: 4pcs, 4P: 6pcs)	
MDU accessories	Breaker mounting	MDU, Connection cable (for breaker mounting)	
	Panel mounting	MDU, Panel mounting bracket, Panel mounting screw, Connection cable (for panel mounting)	

NF250-SEV with MDU (Breaker mounting) NF250-SEV with MDU (Panel mounting)

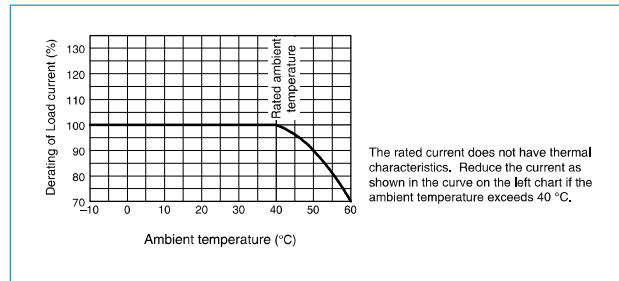
Operating Characteristics



Internal Accessories



Current Reducing Curve



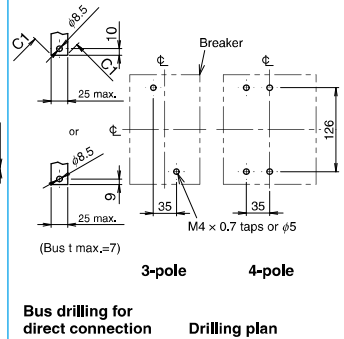
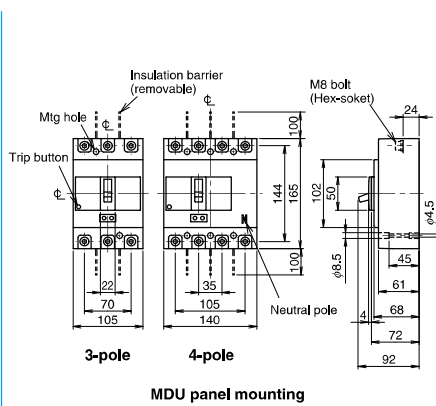
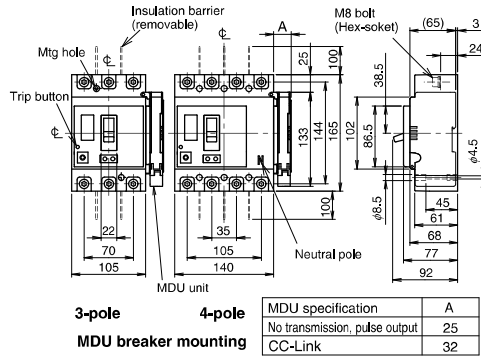
External Accessories

Accessories	Type name	Reference page	Accessories	Type name	Reference page	
Operating handle (*1)	F	F-2SV	Mechanical interlock	MI (*3)	3P MI-05SV3	
	V	V-2SV		4P MI-2SV4	129	
Handle lock device	LC	LC-05SV	Terminal cover	Small	TC-S	3P TCS-2SV3 (*5)
	HL (*2)	HLF-05SV		Large	TC-L	3P TCL-2SV3 (*5)
		HLN-05SV		4P TCL-2SV3L (*5)	121	
	HL-S (*1)	HLS-2SV		Skeleton	TTC	3P TTC-2SV3 (*5)
			Rear	BTC	3P BTC-2SV3 (*5)	
			Electrical operation device (*1)		(*4)	133

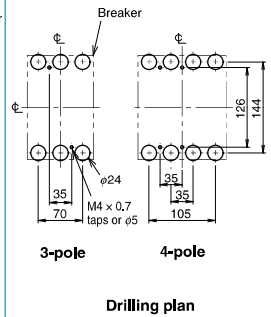
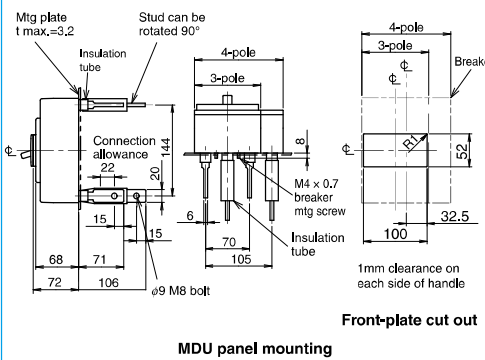
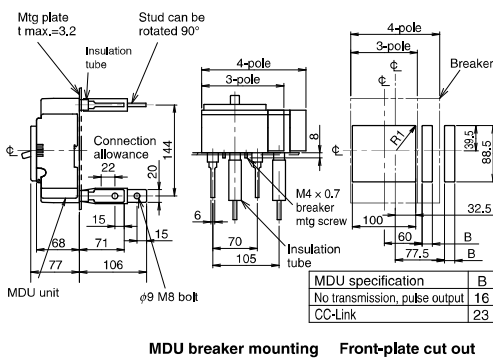
Notes *1 Available only for the MDU panel mounting type.
*2 HLF types are used for OFF lock and HLN types for ON lock.
*3 When selecting the MDU breaker mounting, only the MI panel mounting can be manufactured.
*4 Specify the working voltage.
*5 In the case of the MDU breaker mounting type, specify the model name with MP at the end.

Outline Drawing

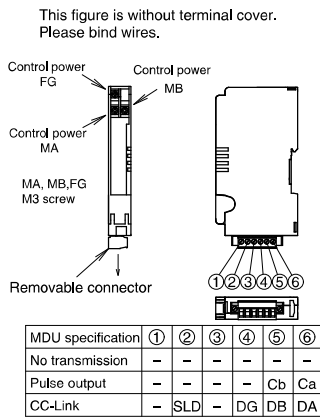
Front connection



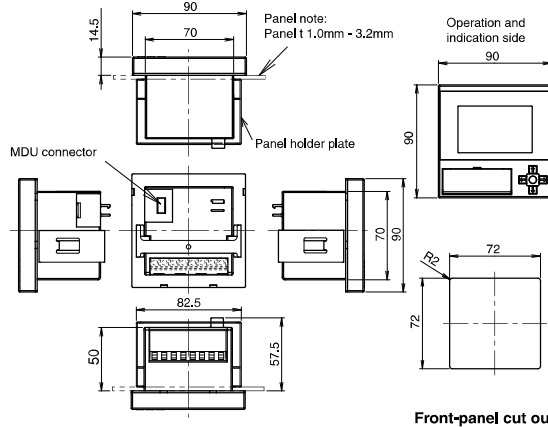
Rear mounting



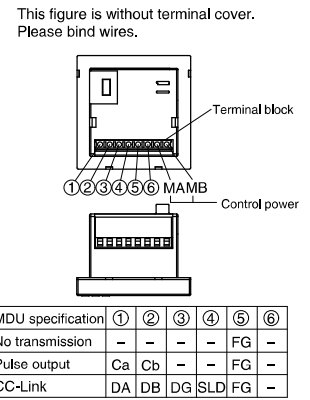
MDU unit terminal for breaker mounting



MDU panel mounting



MDU terminal for panel mounting



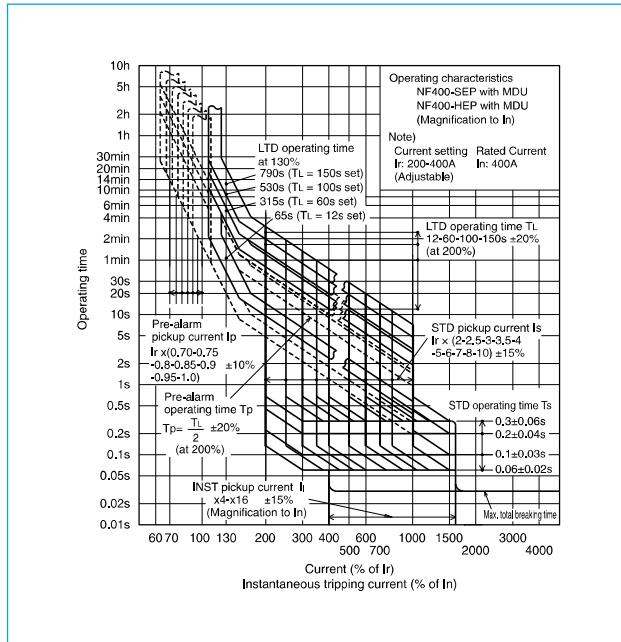
NF400-SEP with MDU NF400-HEP with MDU



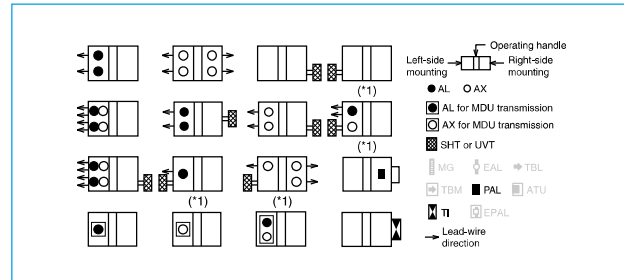
NF400-SEP with MDU (Breaker mounting)

Model		NF400-SEP with MDU	NF400-HEP with MDU	
Rated current In (A)		200 225 250 300 350 400 Adjustable		
Rated ambient temperature 40°C				
Number of poles		3	4	
Rated operational voltage Ue V		690	690	
Rated short-circuit breaking capacity (kA)	IEC 60947-2 (Icu/Ics)	AC	690V	10/10
			500V	30/30
			440V	42/42
			415V	45/45
			400V	45/45
			380V	45/45
			230V	85/85
			200V	85/85
Standard attached parts (Front connection)		Breaker	Mounting screw M6 × 60 (4pcs) Insulation barrier (3P: 4pcs, 4P: 6pcs)	
MDU accessories		Breaker mounting	MDU, Connection cable (for breaker mounting)	
		Panel mounting	MDU, Panel mounting bracket, Panel mounting screw, Connection cable (for panel mounting)	

Operating Characteristics

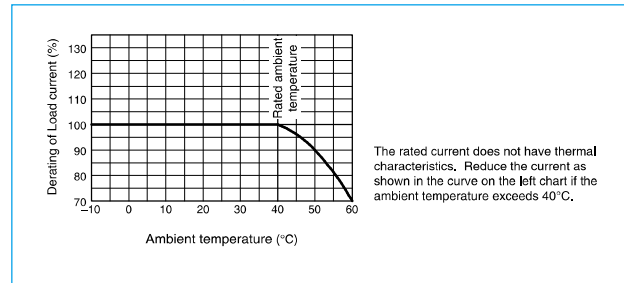


Internal Accessories



Note *1 Right side mounting is standard of SHT and UVT. Specify separately for left side mounting.

Current Reducing Curve



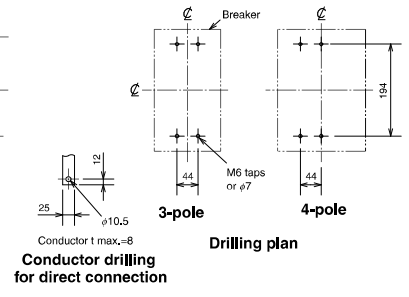
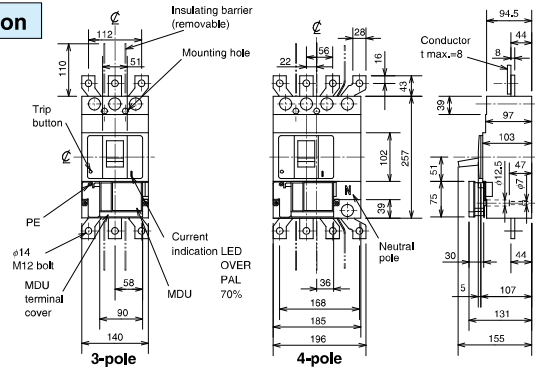
7 External Accessories

Accessories		Type name		Reference page	Accessories		Type name		Reference page	
		Breaker mounting	Panel mounting				Breaker mounting	Panel mounting		
Operating handle	F	-	F-4S	117	Large	TC-L	3P	-	TCL-4SW3 (*1)	121
	V	-	V-4S	119			4P	-	TCL-4SW4 (*1)	
Handle lock device	HL	HL-4SW	HL-4SW	127	Skeleton	TTC	3P	TTC-4SW3-MDU	TTC-4SW3	
	HL-S	-	HLS-4SW				4P	TTC-4SW4-MDU	TTC-4SW4	
Mechanical interlock	MI	3P	MI-4SW3	129	Rear	BTC	3P	BTC-4SW3 (*1)	BTC-4SW3 (*4)	
		4P	MI-4SW4				MI-4SW4	4P	BTC-4SW4	BTC-4SW4
Auxiliary handle	HT	HT-4SW	HT-4SW	128	Electrical operation device	NFM	3P	-	(*3)	133
				4P						

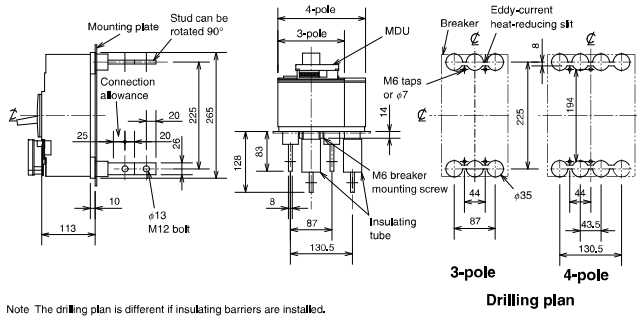
Notes *1 For NF400SEP with MDU.
*2 When selecting the MDU breaker mounting, only the MI panel mounting can be manufactured.
*3 Specify the operation method and voltage. Order in combination with the breaker unit.
*4 This is for NF400-SEP with MDU. For rear terminal cover of NF400-HEP with MDU, use PTC-4SW3.

Outline Drawing

Front connection



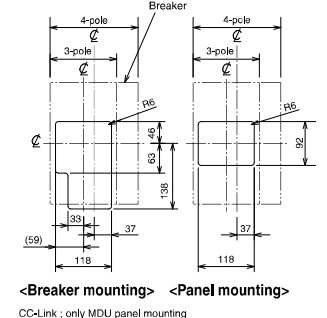
Rear connection



Note: The drilling plan is different if insulating barriers are installed.

Front-plate cutout

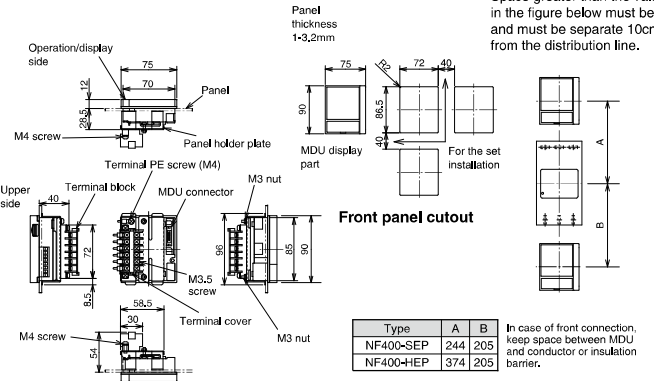
1mm clearance on each side of handle. (Load side of breaker mounting has given the space to pass wires to the terminal.)



NF400-SEP, NF400-HEP with MDU (No transmission, pulse output)

MDU panel mounting

MDU is connected with circuit breaker via MDU connection cable.

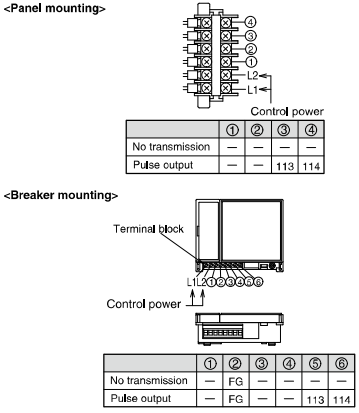


Type	A	B
NF400-SEP	244	205
NF400-HEP	374	205

Space greater than the value shown in the figure below must be secured, and must be separate 10cm or more from the distribution line.

MDU terminal

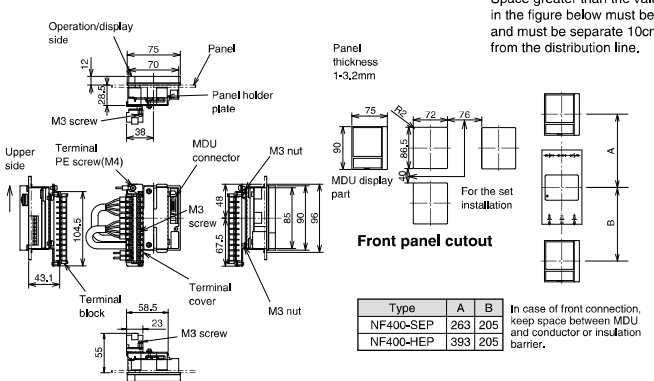
Figure of the breaker mounting is removed the terminal cover.



NF400-SEP, NF400-HEP with MDU (CC-Link)

MDU panel mounting

MDU is connected with circuit breaker via MDU connection cable.

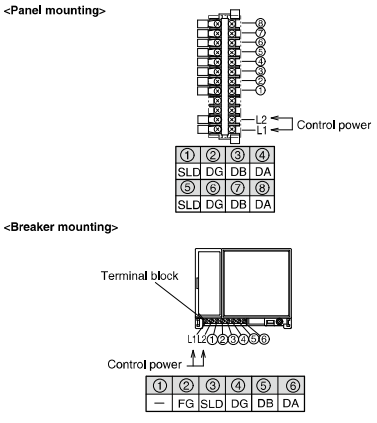


Type	A	B
NF400-SEP	263	205
NF400-HEP	393	205

Space greater than the value shown in the figure below must be secured, and must be separate 10cm or more from the distribution line.

MDU terminal

Figure of the breaker mounting is removed the terminal cover.



NF630-SEP with MDU NF630-HEP with MDU NF800-SEP with MDU NF800-HEP with MDU

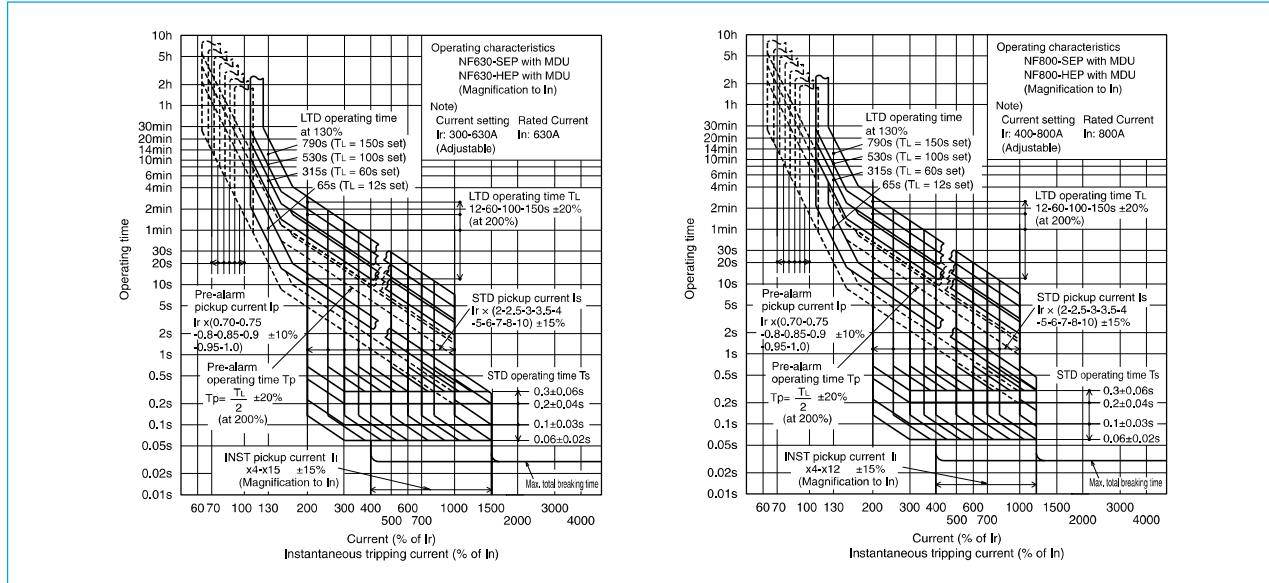


NF630-SEP with MDU
(Breaker mounting)

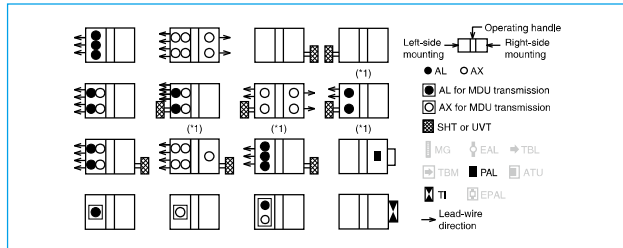
Model		NF630-SEP with MDU	NF630-HEP with MDU	NF800-SEP with MDU	NF800-HEP with MDU		
Rated current In (A)	Rated ambient temperature 40°C	300	350 400 500 600 630	400 450 500 600 700 800			
			Adjustable	Adjustable			
Number of poles		3	4	3	4		
Rated operational voltage Ue V		690	690	690	690		
Rated short-circuit breaking capacity (kA)	IEC 60947-2 (Icu/Ics)	AC	690V	10/10	15/15	10/10	15/15
			500V	30/30	50/50	30/30	50/50
			440V	42/42	65/65	42/42	65/65
			415V	45/45	70/70	45/45	70/70
			400V	45/45	70/70	45/45	70/70
			380V	45/45	70/70	45/45	70/70
			230V	85/85	100/100	85/85	100/100
			200V	85/85	100/100	85/85	100/100
Standard attached parts (Front connection) (*1)		Breaker	Mounting screw M6 × 35 (4pcs) Insulation barrier (3P: 2pcs, 4P: 3pcs)				
MDU accessories		Breaker mounting	MDU, Breaker mounting plate, Mounting screw for breaker mounting plate, Connection cable (for breaker mounting), MDU Mounting screw				
		Panel mounting	MDU, Panel mounting bracket, Panel mounting nut, Connection cable (for panel mounting), MDU Mounting screw				

Note *1 4-pole models are provided with auxiliary handle.

Operating Characteristics

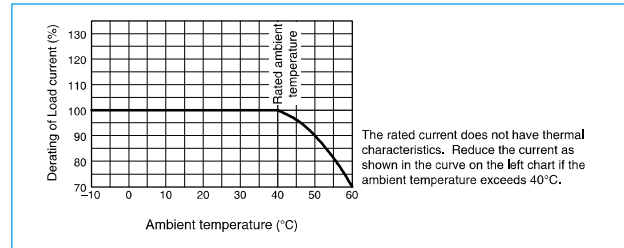


Internal Accessories



Note *1 Right side mounting is standard of SHT and UVT. Specify separately for left side mounting.

Current Reducing Curve



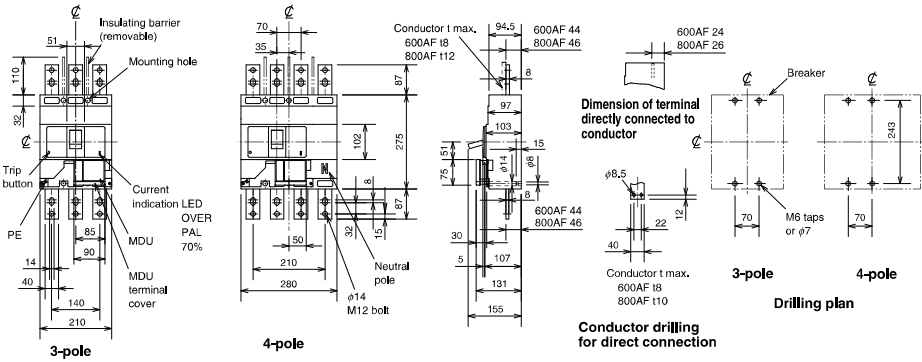
External Accessories

Accessories	Type name		Reference page	Accessories	Type name		Reference page
	Breaker mounting	Panel mounting			Breaker mounting	Panel mounting	
Operating handle	F	-	F-8S	Large	TC-L	3P	TCL-8SW3
	V	-	V-8S			4P	TCL-8SW4
Handle lock device	HL	HL-4SW	HL-4SW	Skeleton	TTC	3P	TTC-8SW3-MDU
	HL-S	-	HLS-8SW			4P	TTC-8SW4-MDU
Mechanical interlock	MI	MI-8SW3	MI-8SW3	Rear	BTC	3P	BTC-8SW3
	(*1)	4P	MI-8SW4			4P	BTC-8SW4
Auxiliary handle	HT	HT-4SW	HT-4SW				
Electrical operation device				NFM	3P		
						4P	

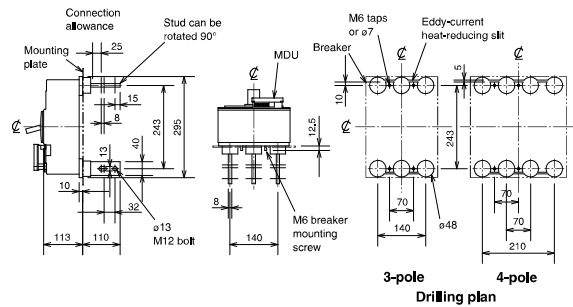
Notes *1 When selecting the MDU breaker mounting, only the MI panel mounting can be manufactured.
*2 Specify the operation method and voltage. Order in combination with the breaker unit.

Outline Drawing

Front connection



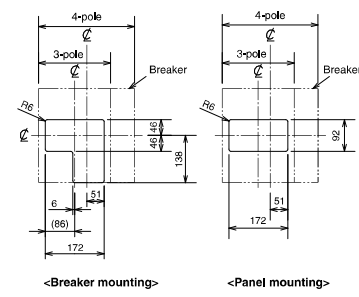
Rear connection



Note The drilling plan is different if insulating barriers are installed.

Front-plate cutout

1mm clearance on each side of handle.
(Load side of breaker mounting has given the space to pass wires to the terminal.)

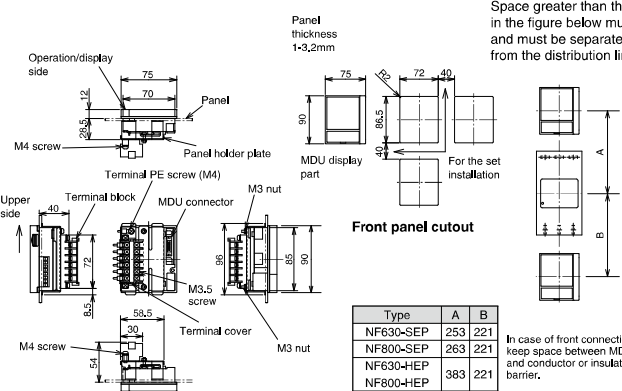


CC-Link; only MDU panel mounting

NF630-SEP, NF630-HEP, NF800-SEP, NF800-HEP with MDU (No transmission, Pulse output)

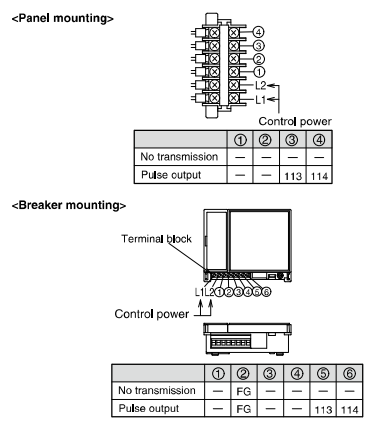
MDU panel mounting

MDU is connected with circuit breaker via MDU connection cable.



MDU terminal

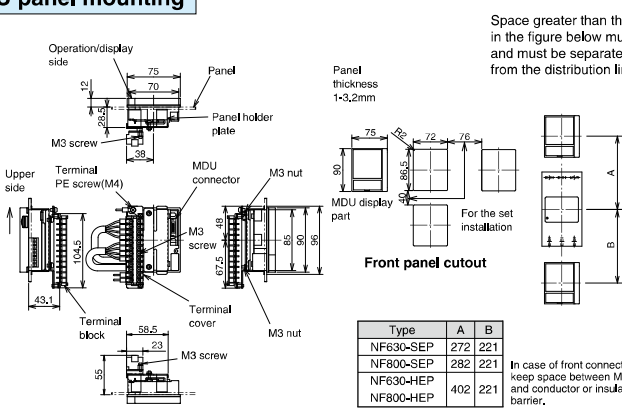
Figure of the breaker mounting is removed the terminal cover.



NF630-SEP, NF630-HEP, NF800-SEP, NF800-HEP with MDU (CC-Link)

MDU panel mounting

MDU is connected with circuit breaker via MDU connection cable.



MDU terminal

Figure of the breaker mounting is removed the terminal cover.

