



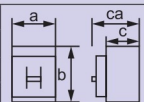


Takamura

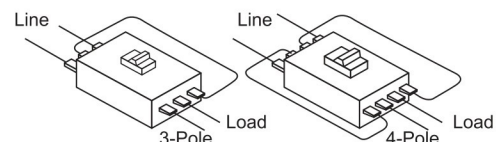


Molded-Case Circuit Breakers

Series	C Series		C Series		S Series		H Series		
Model	NF30-CS		NF63-CV		NF63-SV		NF63-HV		
Photo									
Rated current In (Amp.)	5 10 15 20 30		5 10 15(16) 20 30(32) 40 50 60 (63) 75 (80) 100		5 10 15(16) 20 30(32) 40 50 60 (63) 75 (80) 100		10 15(16) 20 30(32) 40 50 60 (63) 75 (80) 100		
Rated ambient temperature(°C)	30		40		40		40		
Number of poles	2 3		2 3		2 3		2 3		
Rated insulation voltage UI(V)	500		600		600		690		
Rated short-circuit breaking capacity(kA)	IEC60947-2 (Icu/Ics)	AC (50/60 Hz)	690V	-	-	-	2.5/2.5		
			500V	-	2.5/2.5	7.5/7.5	7.5/7.5		
			440V	-	2.5/2.5	7.5/7.5	10/8		
			415V	1.5/1.5	2.5/2.5	7.5/7.5	10/8		
			400V	1.5/1.5	5/5	7.5/7.5	10/8		
			380V	1.5/1.5	5/5	7.5/7.5	10/8		
			230V	2.5/2(240V)	7.5/7.5	15/15	25/19		
			200V	2.5/2(240V)	7.5/7.5	15/15	25/19		
DC	250V	-	2.5/2.5(*7)	7.5/7.5(*7)	7.5/7.5(*7)				
Rated impact and voltage Uimp (KV)	4		8		8		8		
Electric current (*1)	AC		AC/DC		AC/DC		AC/DC		
Universal isolation	-		Apply		Apply		Apply		
Number of operating cycles	Without current		10,000		10,000		15,000		
	With current(440VAC)		6,000(AC415V)		6,000		8,000		
Rated short time current Icw (kA) in 0.25 seconds	-		-		-		-		
Class of pollution	2		3		3		3		
Overall dimensions(mm)			a	45 67.5	50 75	50 75	50 75		
			b	96	130	130	130		
			c	52	68	68	68		
			ca	67	90	90	90		
Surface weight(kg)	0.25 0.35		0.5 0.7		0.55 0.75		0.55 0.75		
Connection mode	Front connection (F)	Screw terminal		Screw terminal		Screw terminal		Screw terminal	
	Box terminal (SL)	-		-		-		•	
	Back type (B)	Circular junction column		Circular junction column		Circular junction column		Circular junction column	
	Insertion type (PM)	-		•		•		•	
Casing fittings (selection)	Alarm switch (AL)	• (*5)		• (*6)		• (*6)		• (*6) •	
	Auxiliary switch (AX)	• (*5)		• (*6)		• (*6)		• (*6) •	
	Shunt trip (SHT)	-		• (*6)		• (*6)		• (*6) •	
	Insufficient voltage hopping device(UVT)	-		• (*6)		• (*6)		• (*6) •	
	Lead terminal plate (SLT)	•		•		•		• •	
	Pre alarm (PAL)	-		-		-		-	
External fittings (selection)	Close	Shut down (S)	•		•		• •		
		Dustproof (I)	-		-		• •		
		Waterproofing (W)	-		•		• •		
	Electric operating device (NFM)	-		-		-		-	
	Mechanical interlocking device(MI)(*8)	Panel installation	-		•		• •		
		Circuit breaker installation	-		•		• •		
	Handle	LC	•		•		• •		
		HL	•		•		• •		
	Locking device	HL-S	-		•		• •		
		Extern manipulate handle	(F)	-		•		• •	
		(V)	-		•		• •		
Termical cover plate (TC-L,TC-S,TTC,BTC,PTC)	•		•		•		• •		
Back connection (B-ST)	-		•		•		• •		
Insertion type (PM)	-		•		•		• •		
Fixed installation of IEC35mm guideway	•		•		•		• •		
Automatic tripping device	Safe electromagnetic formula		Hydraulic-magnetic		Hydraulic-magnetic		Hydraulic-magnetic		
Trip button	-(*2)		Equipped		Equipped		Equipped		

Notes:

- *1: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 400V DC and the 4 poles to be used for up to 500V DC,
- *2: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 500V DC and the 4 poles to be used for up to 600V DC,
- *3:Both PAL and OAL is not available. Only one specified.
- *4:Please specified in case use DC.
- *5:Cassette-type accessories are not suitable for NF30-CS.
- *6:In case of usa alarm, also attached trip button.

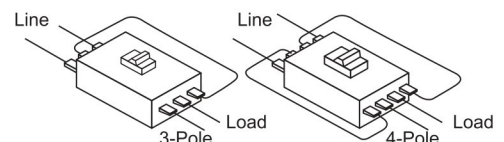


Molded-Case Circuit Breakers




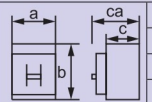
Series		C Series		S Series			H Series				
Model		NF125-CV		NF125-SV			NF-125HV				
Photo											
Rated current In (Amp.)		15(16) 20 30(32) 40 50 60 (63) 75(80) 100 125		15(16) 20 30(32) 40 50 60 (63) 75(80) 100 125			15(16) 20 30(32) 40 50 60 (63) 75(80) 100 125				
Rated ambient temperature(°C)		40		40			40				
Number of poles		2 3		2 3 4			2 3 4				
Rated insulation voltage UI(V)		600		690			690				
Rated short-circuit breaking capacity(kA)	IEC60947-2 (Icu/Ics)	AC (50/60 Hz)	690V	-		8/8			10/8		
			500V	7.5/4		18/18			30/23		
			440V	10/5		25/25			50/38		
			415V	10/5		30/30			50/38		
			400V	10/5		30/30			50/38		
			380V	10/5		30/30			50/38		
			230V	30/15		50/50			100/75		
			200V	30/15		50/50			100/75		
			DC	250V		7.5/4(*4)		40/40(*4)			-
Rated impact and voltage Uimp (KV)		8		8			8				
Electric current (*1)		AC/DC		AC/DC			AC				
Universal isolation		Apply		Apply			Apply				
Number of operating cycles	Without current		10,000		25,000			25,000			
	With current(440VAC)		6,000		10,000			10,000			
Rated short time current Icw (kA) in 0.25 seconds		-		-			-				
Class of pollution		3		3			3				
Overall dimensions(mm)		a	60	90	60	90	120	60	90	120	
		b	130		130			130			
		c	68		68			68			
		ca	90		90			90			
		H	90		90			90			
Surface weight(kg)		0.6 0.9		0.7 1.0 1.3			0.7 1.0 1.3				
Connection mode	Front connection (F)	Screw terminal		Screw terminal			Screw terminal				
	Box terminal (SL)	•		•			•				
	Back type (B)	Pole type terminal		Pole type terminal			Pole type terminal				
	Insertion type (PM)	•		•			•				
Casing fittings (selection)	Alarm switch (AL)	•(*6)		•(*6)			•(*6)				
	Auxiliary switch (AX)	•(*6)		•(*6)			•(*6)				
	Shunt trip (SHT)	•(*6)		•(*6)			•(*6)				
	Insufficient voltage hopping device(UVT)	•(*6)		•(*6)			•(*6)				
	Lead terminal plate (SLT)	•		•			•				
	Pre alarm (PAL)	-		-			-				
External fittings (selection)	Close	Shut down (S)	•		•			•			
		Dustproof (I)	•		•			•			
		Waterproofing (W)	-		-			-			
	Electric operating device (NFM)		-		-			-			
	Mechanical interlocking device(MI)(*8)	Panel installation		•		•			•		
		Circuit breaker installation		•		•			•		
	Handle	LC		•		•			•		
		HL		•		•			•		
	Locking device	HL-S		•		•			•		
		(F)		•		•			•		
	Extern manipulate handle	(V)		•		-			•		
		Termical cover plate (TC-L,TC-S,TTC,BTC,PTC)		•		•			•		
Back connection (B-ST)		•		•			•				
Insertion type (PM)		•		•			•				
Fixed installation of IEC35mm guideway		-		-			-				
Automatic tripping device		Hydraulic-magnetic		Hydraulic-magnetic			Hydraulic-magnetic				
Trip button		Equipped		Equipped			Equipped				

Notes:

- *1: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 400V DC and the 4 poles to be used for up to 500V DC,
- *2: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 500V DC and the 4 poles to be used for up to 600V DC,
- *3:Both PAL and OAL is not available. Only one specified.
- *4:Please specified in case use DC.
- *5:Cassette-type accessories are not suitable for NF30-CS.
- *6:In case of usa alarm, also attached trip button.

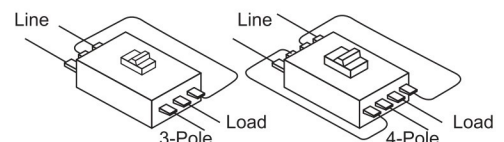


Molded-Case Circuit Breakers




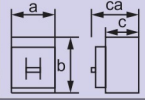
Series		C Series	S Series	H Series		
Model		NF250-CV	NF250-SV	NF250-HV		
Photo						
Rated current In (Amp.)		(100)(*3)125 150 175 200 225 250	125 150 160 175 200 225 250	125 150 160 175 200 225 250		
Rated ambient temperature(°C)		40	40	40		
Number of poles		3	3 4	3 4		
Rated insulation voltage UI(V)		600	690	690		
Rated short-circuit breaking capacity(kA)	IEC60947-2 (Icu/Ics)	AC (50/60 Hz)	690V	-	8/8	10/8
			500V	10/8	30/30	50/38
			440V	15/12	36/36	65/65
			415V	25/19	36/36	70/70
			400V	25/19	36/36	75/75
			380V	25/19	36/36	75/75
			230V	36/27	85/85	100/100
			200V	36/27	85/85	100/100
			DC	250V	15/12(*4)	20/20(300V)(*4)
Rated impact and voltage Uimp (KV)		8	8	8		
Electric current (*1)		AC/DC	AC/DC	AC/DC		
Universal isolation		Apply	Apply	Apply		
Number of operating cycles	Without current	8,000	25,000	25,000		
	With current(440VAC)	4,000	10,000	10,000		
Rated short time current Icw (kA) in 0.25 seconds		-	-	-		
Class of pollution		3	3	3		
Overall dimensions(mm)		a	105	105 140	105 140	
		b	165	165	165	
		c	68	68	68	
		ca	92	92	92	
		H	150	150	150	
Surface weight(kg)		1.5	1.6 2.0	1.6 2.0		
Connection Mode	Front connection (F)	Screw terminal	Screw terminal	Screw terminal		
	Box terminal (SL)	•	•	•		
	Back type (B)	Pole type terminal	Pole type terminal	Pole type terminal		
	Insertion type (PM)	•	•	• •		
Casing fittings (selection)	Alarm switch (AL)	•(*6)	•(*6)	•(*6) •		
	Auxiliary switch (AX)	•(*6)	•(*6)	•(*6) •		
	Shunt trip (SHT)	•(*6)	•(*6)	•(*6) •		
	Insufficient voltage hopping device(UVT)	•(*6)	•(*6)	•(*6) •		
	Lead terminal plate (SLT)	•	•	• •		
	Pre alarm (PAL)	-	-	-		
External fittings (selection)	Close	Shut down (S)	•	•	-	
		Dustproof (I)	•	•	• -	
		Waterproofing (W)	•	•	• -	
	Electric operating device (NFM)	•	•	•		
	Mechanical interlocking device(MI)(*8)	Panel installation	•	•	• •	
		Circuit breaker installation	•	•	• -	
	Handle	LC	•	•	•	
		HL	•	•	•	
	Locking device	HL-S	•	•	•	
		(F)	•	•	•	
	Extern manipulate handle	(V)	•	•	•	
		Termical cover plate (TC-L,TC-S,TTC,BTC,PTC)	•	•	•	
	Back connection (B-ST)	•	•	•		
Insertion type (PM)	•	•	•			
Fixed installation of IEC35mm guideway	-	-	-			
Automatic tripping device		Hydraulic-magnetic	Hydraulic-magnetic	Hydraulic-magnetic		
Trip button		Equipped	Equipped	Equipped		

Notes:

- *1: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 400V DC and the 4 poles to be used for up to 500V DC,
- *2: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 500V DC and the 4 poles to be used for up to 600V DC,
- *3:Both PAL and OAL is not available. Only one specified.
- *4:Please specified in case use DC.
- *5:Cassette-type accessories are not suitable for NF30-CS.
- *6:In case of usa alarm, also attached trip button.



Molded-Case Circuit Breakers

Series		C Series	S Series	H Series		
Model		NF400-CW	NF400-SW	NF400-HW		
Photo						
Rated current In (Amp.)		250 300 350 400	250 300 350 400	250 300 350 400		
Rated ambient temperature(°C)		40	40	40		
Number of poles		2 3	3 4	3 4		
Rated insulation voltage UI(V)		690	690	690		
Rated short-circuit breaking capacity(kA)	IEC60947-2 (Icu/Ics)	AC (50/60 Hz)	690V	-	10/10	35/18
			500V	15/8	30/30	50/50
			440V	25/13	42/42	65/65
			415V	36/18	45/45	70/70
			400V	36/18	45/45	70/70
			380V	40/20	50/50	70/70
			230V	50/25	85/85	100/100
			200V	50/25	85/85	100/100
DC		250V	20/10(*5)	40/40(*5)	-	
Rated impact and voltage Uimp (KV)		8	8	8		
Electric current (*1)		AC/DC	AC/DC	AC		
Universal isolation		Apply	Apply	Apply		
Number of operating cycles	Without current	6,000	6,000	6,000		
	With current(440VAC)	1,000	1,000	1,000		
Rated short time current Icw (kA) in 0.25 seconds		-	-	5		
Class of pollution		3	3	3		
Overall dimensions(mm)		a	140	140 185	140 185	
		b	257	257	257	
		c	103	103	103	
		ca	(134) (155)	155	155	
Surface weight(kg)		4.4 5.0	5.2 6.8	6.0 7.6		
Connection Mode	Front connection (F)	Copper cylinder	Copper cylinder	Copper cylinder		
	Box terminal (SL)	•	•	•		
	Back type (B)	Pole type terminal	Pole type terminal	Pole type terminal		
	Insertion type (PM)	•	• •	• •		
Casing fittings (selection)	Alarm switch (AL)	• (*1)	• (*1) •	• (*1) •		
	Auxiliary switch (AX)	• (*1)	• (*1) •	• (*1) •		
	Shunt trip (SHT)	• (*1)	• (*1) •	• (*1) •		
	Insufficient voltage hopping device(UVT)	•	• •	• •		
	Lead terminal plate (SLT)	•	• •	• •		
	Pre alarm (PAL)	-	-	• (*2)		
External fittings (selection)	Close	Shut down (S)	-	-	-	
		Dustproof (I)	•	• -	-	
		Waterproofing (W)	•	• -	-	
	Electric operating device (NFM)	• (*3)	• (*3)	• (*3)		
	Mechanical interlocking device(MI)(*8)	Panel installation	•	• •	• •	
		Circuit breaker installation	•	• -	• -	
	Handle Locking device	LC	-	-	-	
		HL	•	•	•	
	Extern manipulate handle	HL-S	•	•	•	
		(F)	•	•	•	
Termical cover plate (TC-L, TC-S, TTC, BTC, PTC)	(V)	•	•	•		
	(TC-L, TC-S, TTC, BTC, PTC)	•	• •	• •		
Back connection (B-ST)	• •	• •	•			
Insertion type (PM)	•	• • •	•			
Fixed installation of IEC35mm guideway	-	-	-			
Automatic tripping device		Hydraulic-magnetic	Hydraulic-magnetic	Hydraulic-magnetic		
Trip button		Equipped	Equipped	Equipped		

Notes:

*1: Use 2 poles in the case of 3 pole of 4 pole products.

In addition, wiring as shown to the right allows the 3 poles to be used for up to 400V DC and the 4 poles to be used for up to 500V DC,

*2: Use 2 poles in the case of 3 pole of 4 pole products.

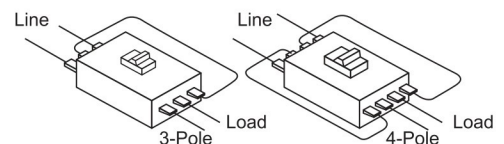
In addition, wiring as shown to the right allows the 3 poles to be used for up to 500V DC and the 4 poles to be used for up to 600V DC,

*3:Both PAL and OAL is not available. Only one specified.

*4:Please specified in case use DC.

*5:Cassette-type accessories are not suitable for NF30-CS.

*6:In case of usa alarm, also attached trip button.

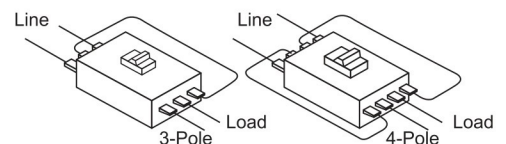


Molded-Case Circuit Breakers




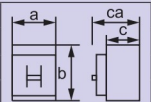
Series		C Series		S Series		SE Series		
Model		NF630-CP		NF630-SP		NF800-SEP		
Photo								
Rated current In (Amp.)		500 600 630		500 600 630		500 600 630 700 800		
Rated ambient temperature(°C)		40		40		40		
Number of poles		2	3	3	4	3	4	
Rated insulation voltage UI(V)		690		690		690		
Rated short-circuit breaking capacity(kA)	IEC60947-2 (Icu/Ics)	AC (50/60 Hz)	690V	-	10/10	10/10	-	
			500V	18/9	30/30	30/30	30/30	
			440V	36/18	42/42	42/42	42/42	
			415V	36/18	50/50	50/50	50/50	
			400V	36/18	50/50	50/50	50/50	
			380V	40/20	50/50	50/50	50/50	
			230V	50/25	85/85	85/85	85/85	
			200V	50/25	85/85	85/85	85/85	
DC	250V	20/10(*5)	40/40(*5)	-	-	-		
Rated impact and voltage Uimp (KV)		8		8		8		
Electric current (*1)		AC/DC		AC/DC		AC		
Universal isolation		Apply		Apply		Apply		
Number of operating cycles	Without current	6,000		6,000		4,000		
	With current(440VAC)	1,000		1,000		500		
Rated short time current Icw (kA) in 0.25 seconds		-		-		9.6		
Class of pollution		3		3		3		
Overall dimensions(mm)		a	210	210	280	210	280	
		b	275	275	275	275		
		c	103	103	103	103		
		ca	155	155	155	155		
Surface weight(kg)		9.6	10.9	10.9	14.2	10.9	14.2	
Connection Mode	Front connection (F)	Copper cylinder		Copper cylinder		Copper cylinder		
	Box terminal (SL)	-		-		-		
	Back type (B)	Pole type terminal		Pole type terminal		Pole type terminal		
	Insertion type (PM)	•		•		•		
Casing fittings (selection)	Alarm switch (AL)	• (*1)		• (*1)		• (*1)		
	Auxiliary switch (AX)	• (*1)		• (*1)		• (*1)		
	Shunt trip (SHT)	• (*1)		• (*1)		• (*1)		
	Insufficient voltage hopping device(UVT)	•		•		•		
	Lead terminal plate (SLT)	•		•		•		
	Pre alarm (PAL)	-		-		• (*2)		
External fittings (selection)	Close	Shut down (S)	-		-		-	
		Dustproof (I)	•		•		-	
		Waterproofing (W)	•		•		-	
	Electric operating device (NFM)	• (*3)		• (*3)		• (*3)		
	Mechanical interlocking device(MI)(*8)	Panel installation	•		•		•	
		Circuit breaker installation	•		•		•	
	Handle Locking device	LC	-		-		-	
		HL	•		•		•	
	Extern manipulate handle	HL-S	•		•		•	
		(F)	•		•		•	
	(V)	•		•		•		
	Termical cover plate (TC-L,TC-S, TTC,BTC,PTC)	•		•		•		
Back connection (B-ST)		•	•	•	•	•	•	
	Insertion type (PM)	•	•	•	•	•	•	
	Fixed installation of IEC35mm guideway	-		-		-		
Automatic tripping device		Hydraulic-magnetic		Hydraulic-magnetic		Hydraulic-magnetic		
Trip button		Equipped		Equipped		Equipped		

Notes:




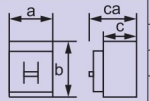
- *1: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 400V DC and the 4 poles to be used for up to 500V DC,
- *2: Use 2 poles in the case of 3 pole of 4 pole products.
In addition, wiring as shown to the right allows the 3 poles to be used for up to 500V DC and the 4 poles to be used for up to 600V DC,
- *3:Both PAL and OAL is not available. Only one specified.
- *4:Please specified in case use DC.
- *5:Cassette-type assessories are not suitable for NF30-CS.
- *6:In case of usa alarm, also attached trip button.






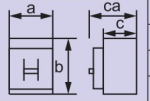
Earth-leakage Circuit Breakers

Series	C Series		S Series		H Series			
Model	NV63-CV		NV63-SV		NV63-HV			
Photo								
Rated current In (Amp.)	5 10 15 (16) 20 30 (32) 40 50 60 (63) 75 (80) 100		5 10 15 (16) 20 30 (32) 40 50 60 (63) 75 (80) 100		5 10 15 (16) 20 30 (32) 40 50 60 (63) 75 (80) 100			
Rated ambient temperature(°C)	40		40		40			
Number of poles	2 3		3		3			
Phase line (*1)	1 φ 2W	3φ3W 1φ3W 1φ2W	3 φ 3W 1 φ 3W 1 φ 2W	3 φ 3W 1 φ 3W 1 φ 2W				
Rated insulation voltage Ue(V) (AC)	100-240		100-400		100-440			
High-speed type	Rated current sensitivity In(mA)		30		30			
	Max. operating time(S)	at IΔn	0.1		0.1			
		at 5 IΔn	0.04		0.04			
Time-delay type	Rated current sensitivity (mA)		-		-			
	Max. operating time(S) (*3)		-		-			
	Inertial non-operating time at 2 IΔn(S)		-		-			
Leakage indication		Mechanical button		Mechanical button		Mechanical button		
Rated breaking capacitiae(kA) IEC60947-2(Icu/Ics)	AC440V	-	2.5/2.5	7.5/7.5		10/8		
	AC415V	-	2.5/2.5	7.5/7.5		10/8		
	AC400V	-	5/5	7.5/7.5		10/8		
	AC230V	7.5/7.5		15/15		25/19		
	AC200V	7.5/7.5		15/15		25/19		
	AC100V	7.5/7.5		15/15		25/19		
Rated impact and voltage Uimp (KV)	6		6		6			
Electric current (*1)	AC		AC		AC			
Universal isolation	Apply		Apply		Apply			
Number of operating cycles	Without current		10,000		15,000			
	With current		6,000		8,000			
Rated short time current Icw (kA) in 0.25 seconds	-		-		-			
Class of pollution	2		2		2			
Overall dimensions(mm)		a	75	75	75			
		b	130	130	130			
		c	68	68	68			
		ca	90	90	90			
		d	90	90	90			
Surface weight(kg)	0.7 0.75		0.8		0.8			
Connection Mode	Front connection (F)	Screw terminal		Screw terminal		Screw terminal		
	Box terminal (SL)	-		-		-		
	Back type (B)	Circular junction column		Circular junction column		Circular junction column		
	Insertion type (PM)	•		-		-		
Casing fittings (selection)	Alarm switch (AL)	• (*2)		• (*2)		• (*2)		
	Auxiliary switch (AX)	• (*2)		• (*2)		• (*2)		
	Shunt trip (SHT)	• (*2)		• (*2)		• (*2)		
	Insufficient voltage hopping device(UVT)	• (*2)		• (*2)		• (*2)		
	Leakage alarm switch (EAL)	-		-		-		
	Lead terminal plate (SLT)	•		•		•		
	Test button module (TBM)	• (*3)		• (*3)		• (*3)		
	Close	Shut down (S)	-		-		-	
	Dustproof (I)	-		-		-		
	Waterproofing (W)	-		-		-		
	Electric operating device (NFM)	-		-		-		
External fittings (selection)	Mechanical interlocking device(MI)(*8)	Panel installation	•		•		•	
		Circuit breaker installation	•		•		•	
	Handle Locking device	LC	•		•		•	
		HL	•		•		•	
		HL-S	•		•		•	
	External manipulate handle	(F)	•		•		•	
		(V)	•		•		•	
	Termical cover plate (TC-L,TC-S,TTC,BTC,PTC)	•		•		•		
	Back connection (B-ST)	•		•		•		
	Insertion type (PM)	•		-		•		
Fixed installation of IEC35mm guideway	-		•		-			
Automatic tripping device	Hydraulic-magnetic		Hydraulic-magnetic		Hydraulic-magnetic			
Trip button	Equipped		Equipped		Equipped			

Earth-leakage Circuit Breakers

Series	C Series		S Series		H Series				
Model	NV125-CV		NV125-SV		NV125-HV				
Photo									
Rated current In (Amp.)	15 (16) 20 30 (32) 40 50 60 (63) 75 (80) 100 125		15 (16) 20 30 (32) 40 50 60 (63) 75 (80) 100 125		15 (16) 20 30 (32) 40 50 60 (63) 75 (80) 100 125				
Rated ambient temperature(°C)	40		40		40				
Number of poles	3		3	4	3	4			
Phase line (*1)	3 φ 3W 1 φ 3W 1 φ 2W		3φ3W 1φ3W 1φ2W	3 φ 4W	3φ3W 1φ3W 1φ2W	3 φ 4W			
Rated insulation voltage Ue(V)	(AC) 100-440		100-440	200-440	100-440	200-440			
High-speed type	Rated current sensitivity In(mA)		30,100/200/500		30,100/200/500				
	Max. operating time(s)	at IΔn	0.1		0.1				
		at 5 IΔn	0.04		0.04				
Time-delay type	Rated current sensitivity (mA)		-		-				
	Max. operating time(S) (*3)		-		-				
	Inertial non-operating time at 2 IΔn(S)		-		-				
Leakage indication		Mechanical button		Mechanical button		Mechanical button			
Rated breaking capacitiea(kA) IEC60947-2(lcu/lcs)	AC440V		10/5		25/25		50/38		
	AC415V		10/5		30/30		50/38		
	AC400V		10/5		30/30		50/38		
	AC230V		30/15		50/50		100/75		
	AC200V		30/15		50/50		100/75		
	AC100V		30/15		50/50	-	100/75		
Rated impact and voltage Uimp (KV)		6		6		6			
Electric current (*1)		AC		AC		AC			
Universal isolation		Apply		Apply		Apply			
Number of operating cycles	Without current		10,000		25,000		25,000		
	With current		6,000		10,000		10,000		
Rated short time current Icw (kA) in 0.25 seconds		-		-		-			
Class of pollution		2		2		2			
Overall dimensions(mm)			a	90	90	120	90	120	
			b	130		130			
			c	68		68			
			ca	90		90			
			H	130		130			
Surface weight(kg)		1.0		1.1	1.4	1.1	1.4		
Connection Mode	Front connection (F)		Screw terminal		Screw terminal		Screw terminal		
	Box terminal (SL)		-		-		-		
	Back type (B)		Circular junction column		Circular junction column		Circular junction column		
	Insertion type (PM)		•		-		-		
Casing fittings (selection)	Alarm switch (AL)		• (*2)		•		• (*2)		
	Auxiliary switch (AX)		• (*2)		•		• (*2)		
	Shunt trip (SHT)		• (*2)		•		• (*2)		
	Insufficient voltage hopping device(UVT)		• (*2)		•		• (*2)		
	Leakage alarm switch (EAL)		-		-		-		
	Lead terminal plate (SLT)		•		•		•		
	Test button module (TBM)		• (*3)		• (*3)		• (*3)		
External fittings (selection)	Close	Shut down (S)		-		-			
		Dustproof (I)		-		-			
		Waterproofing (W)		-		-			
	Electric operating device (NFM)		•		•		•		
	Mechanical interlocking device(MI)(*8)	Panel installation		•		•		•	
		Circuit breaker installation		•		-		•	
	Locking device	Handle LC		•		•		•	
		HL		•		•		•	
		HL-S		•		•		•	
	External manipulate handle	(F)		•		•		•	
		(V)		•		•		•	
	Termical cover plate (TC-L,TC-S,TTC,BTC,PTC)		•		•		•		
	Back connection (B-ST)		•		•		•		
	Insertion type (PM)		-		-		-		
	Fixed installation of IEC35mm guideway		-		-		-		
Automatic tripping device		Hydraulic-magnetic		Hydraulic-magnetic		Hydraulic-magnetic			
Trip button		Equipped		Equipped		Equipped			

Earth-leakage Circuit Breakers

Series	C Series		S Series		H Series				
Model	NV250-CV		NV250-SV		NV250-HV				
Photo									
Rated current In (Amp.)	125 150 175 200 225 250		125 150 175 200 225 250		125 150 160 175 200 225 250				
Rated ambient temperature(°C)	40		40		40				
Number of poles	3		3 4		3 4				
Phase line (*1)	3 φ 3W 1 φ 3W 1 φ 2W		3 φ 3W 1 φ 3W 1 φ 2W		3 φ 3W 1 φ 3W 1 φ 2W				
Rated insulation voltage Ue(V) (AC)	100-440		100-440		100-440				
High-speed type	Rated current sensitivity In(mA)		30,100/200/500		30,100/200/500				
	Max. operating time(S)	at IΔn	0.1		0.1				
		at 5 IΔn	0.04		0.04				
Time-delay type	Rated current sensitivity (mA)		-		-				
	Max. operating time(S) (*3)		-		-				
	Inertial non-operating time at 2 IΔn(S)		-		-				
Leakage indication		Mechanical button		Mechanical button		Mechanical button			
Rated breaking capacitiea(kA) IEC60947-2(Icu/Ics)	AC440V		15/12		36/36		65/65		
	AC415V		25/19		36/36		70/70		
	AC400V		25/19		36/36		75/75		
	AC230V		36/27		85/85		100/100		
	AC200V		36/27		85/85		100/100		
	AC100V		36/27		85/85		100/100		
Rated impact and voltage Uimp (KV)		6		6		8			
Electric current (*1)		AC		AC		AC/DC			
Universal isolation		Apply		Apply		Apply			
Number of operating cycles	Without current		8,000		25,000		25,000		
	With current		4,000		10,000		10,000		
Rated short time current Icw (kA) in 0.25 seconds		-		-		-			
Class of pollution		3		3		3			
Overall dimensions(mm)			a	105	105	140	105	140	
			b	165	165		165		
			c	68	68		68		
			ca	92	92		92		
			Surface weight(kg)	1.5		1.6 2.0		1.6 2.0	
Connection Mode	Front connection (F)		Screw terminal		Screw terminal		Screw terminal		
	Box terminal (SL)		-		-		•		
	Back type (B)		Circular junction column		Circular junction column		Circular junction column		
	Insertion type (PM)		-		-		-		
Casing fittings (selection)	Alarm switch (AL)		• (*2)		• (*2)		• (*2)		
	Auxiliary switch (AX)		• (*2)		• (*2)		• (*2)		
	Shunt trip (SHT)		• (*2)		• (*2)		• (*2)		
	Insufficient voltage hopping device(UVT)		• (*2)		• (*2)		• (*2)		
	Leakage alarm switch (EAL)		-		-		-		
	Lead terminal plate (SLT)		•		•		•		
	Test button module (TBM)		• (*3)		• (*3)		• (*3)		
	External fittings (selection)	Close	Shut down (S)	-		-		-	
Dustproof (I)			-		-		-		
Waterproofing (W)			-		-		-		
Electric operating device (NFM)		•		•		•			
Mechanical interlocking device(MI)(*8)		Panel installation		•		•		•	
		Circuit breaker installation		•		•		•	
Locking device		LC		•		•		•	
		HL		•		•		•	
		HL-S		•		•		•	
External manipulate handle		(F)		•		•		•	
		(V)		•		•		•	
Termical cover plate (TC-L,TC-S,TTC,BTC,PTC)		•		•		•			
Back connection (B-ST)		•		•		•			
Insertion type (PM)		-		-		-			
Fixed installation of IEC35mm guideway		-		-		-			
Automatic tripping device		Hydraulic-magnetic		Hydraulic-magnetic		Hydraulic-magnetic			
Trip button		Equipped		Equipped		Equipped			

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