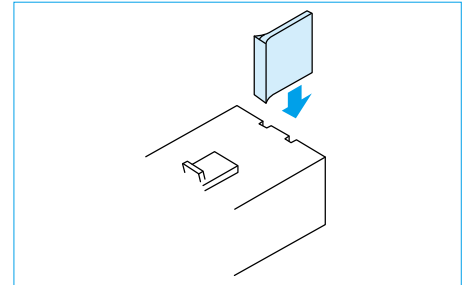


5. Insulating Barriers

The insulating barrier enhances the insulation between the phases of circuit breaker terminals. It also prevents accidents due to conductive foreign matter and dust, and secondary accidents when isolating a fault current.



● The insulating barrier is available for the models listed in the table below.

Table 6-30

("●" denotes optional)

Applicable model		Connecting method			
MCCB	ELCB	Front	Rear	Flush plate	Plug-in
NF32-SV, NF63-CV NF125-CV, NF100-CVFU NF100-SRU	NV32-SV, NV63-CV NV125-CV, NV100-CVFU NV100-SRU	●	-	-	-
NF63-SV/HV NF125-SV/HV NF100-HRU	NV63-SV/HV NV125-SV/HV NV100-HRU	Standard attachment	-	-	-
NF125-SEV/HEV NF250-CV/SV/HV/SEV/HEV NF125-SGV/LGV/HGV/RGV NF160-SGV/LGV/HGV NF250-SGV/LGV/HGV/RGV NF250-SEV/HEV with MDU	NV125-SEV/HEV NV250-CV/SV/HV/SEV/HEV NV250-SEV/HEV with MDU	Standard attachment	-	-	Standard attachment
NF125-SVU NF125-HVU NF250-SVU NF250-HVU NF250-CVU	NV125-SVU NV125-HVU NV250-SVU NV250-HVU NV250-CVU	Standard attachment	-	-	-
NF400-CW/SW/SEW/HEW/REW/UEW NF630-CW/SW/SEW/HEW/REW	NV400-CW/SW/SEW/HEW NV630-CW/SW/SEW/HEW	Standard attachment	●	●	Standard attachment
NF400-UEW(4P) NF800-CEW/SEW/HEW/REW/SDW	NV800-SEW/HEW	Standard attachment	●	●	●
NF800-UEW	-	Standard attachment	●	●	-
NF400-SWU/HWU NF630-SWU/HWU	-	Standard attachment	-	-	-
NF1000-SEW, NF1250-SEW/SDW	-	Standard attachment	-	-	Standard attachment
NF1600-SEW/SDW	-	Standard attachment	-	-	-

Always mount the insulating barrier when it comes with the circuit breaker.

● Insulating Barrier-Front (BA-F)

Table 6-31 Summary of dimensions

Type name	Applicable model		Dimensions (mm)		Quantity per breaker			Reference diagram						
	MCCB	ELCB	A	B	2P	3P	4P							
BAF-05SRU	NF100-SRU/HRU	NV100-SRU/HRU	50	59.5	1	2	-							
BAF-05SV	NF32-SV NF63-CV NF125-CV	NV32-SV NV63-CV NV125-CV	50	59.5	1 (*2)	2	3							
	NF63-SV/HV NF125-SV/HV/UV	NV63-SV/HV NV125-SV/HV												
BAF-2SV	NF125-SEV/HEV NF125-SGV/LGV/HGV/RGV NF160-SGV/LGV/HGV NF250-CV/SV/HV/UV/SEV/HEV NF250-SGV/LGV/HGV/RGV NF250-SEV/HEV with MDU	NV125-SEV/HEV NV250-CV/SV/HV/SEV/HEV NV250-SEV/HEV with MDU	100	59.5	2	4	6							
	BAF-05SVU	NF100-CVFU NF125-SVU NF125-HVU							NV100-CVFU NV125-SVU NV125-HVU	50	59.5	2	4	-
	BAF-2SVU	NF250-SVU NF250-HVU NF250-CVU							NV250-SVU NV250-HVU NV250-CVU					
	BAF-4SW	NF400-CW/SW/SEW/HEW/REW NF630-CW/SW/SEW/HEW/REW							NV400-CW/SW/SEW/HEW NV630-CW/SW/SEW/HEW	110	98.5	2	4	6
BAF-4UW (*1)	NF400-UEW(3P)	-	110	132/ 98.5	-	4	-							
BAF-8SW	NF800-CEW/SEW/SDW/HEW/REW	NV800-SEW/HEW	110	98.5	1	2	3							
BAF-10SW	NF400-UEW(4P) NF800-UEW, NF1000-SEW NF1250-SEW/SDW	-	110	132	1	2	3							
	BAF-4SWU	NF400-SWU/HWU NF630-SWU/HWU (less than 600A)	-	110	98.5	-	2		-					
BAF-6SWU	NF630-SWU/HWU(630A)	-	150	98.5	-	4	-							
BAF-16SW	NF1600-SEW/SDW	-	185	132	1	2	3							

Notes *1 The barriers BAF-4UW for the power supply and load sides vary in the dimension B.
*2 Not supplied with ELCB.

● Insulating Barrier-Rear (BA-B)

Table 6-32 Summary of dimensions

Type name	Applicable model		Dimensions (mm)		Quantity per breaker			Reference diagram
	MCCB	ELCB	A	B	2P	3P	4P	
BAB-4SW	NF400-CW/SW/SEW/HEW/REW NF400-UEW(3P) NF630-CW/SW/SEW/HEW/REW	NV400-CW/SW/SEW/HEW NV630-CW/SW/SEW/HEW	140	74.5	-	4	6	
	BAF-8SW	NF800-CEW/SEW/SDW/HEW/REW NF400-UEW(4P) NF800-UEW						

Drilling size for use of BA-B (in the case of 3-pole circuit breaker)

NF400-CW, NF400-SW, NF400-SEW, NF400-HEW, NF400-REW, NF400-UEW NV400-CW, NV400-SW, NV400-SEW, NV400-HEW NF630-CW, NF630-SW, NF630-SEW, NF630-HEW, NF630-REW NV630-CW, NV630-SW, NV630-SEW, NV630-HEW		NF800-CEW, NF800-SEW, NF800-HEW, NF800-REW, NF800-UEW NV800-SEW, NV800-HEW	
Power supply side Note The dimensions in brackets are those for NF400-UEW.		Note The dimensions in brackets are those for NF800-UEW.	
Load side			

The drilling size drawings show the dimensions viewed from the rear side.

● Insulating Barrier-Plug-in (BA-P)

Table 6-33 Summary of dimensions

Type name	Applicable model		Dimensions (mm)		Quantity per breaker			Reference diagram
	MCCB	ELCB	A	B	2P	3P	4P	
BAP-2SV	NF125-SEV/HEV NF125-SGV/LGV/HGV/RGV NF160-SGV/LGV/HGV NF250-CV/SV/HV NF250-SGV/LGV/HGV/RGV NF250-SEV/HEV	NV125-SEV/HEV NV250-CV/SV/HV/SEV/HEV	172	74.5	4			
BAP-4SW	NF400-CW/SW NF400-SEW/HEW/REW/UEW NF630-CW/SW NF630-SEW/HEW/REW	NV400-CW/SW NV400-SEW/HEW NV630-CW/SW NV630-SEW/HEW	178	74.5		4	6	
BAP-8SW	NF800-CEW/SEW NF800-HEW/REW	NV800-SEW/HEW	172	74.5	-			
	NF1000-SEW NF1250-SEW	-	215	74.5				

● Earth fault preventing barriers (BA-G)

Table 6-34 Summary of dimensions

Type name	Applicable model		Dimensions (mm)		Quantity per breaker	Reference diagram
	MCCB	ELCB	A	B		
BAG-05SV3	NF32-SV NF63-CV/SV/HV	NV32-SV NV63-CV/SV/HV	30	75	1	<p>Earth fault preventing barrier (3 poles)</p>
BAG-1SV3	NF125-CV/SV/HV	NV125-CV/SV/HV	40	90		
BAG-2SV3	NF125-SEV/HEV NF250-CV/SV/HV/SEV/HEV NF250-SEV/HEV with MDU	NV125-SEV/HEV NV250-CV/SV/HV/SEV/HEV NV250-SEV/HEV with MDU	63	105		
BAG-4SW3	NF400-CW/SW/SEW/HEW/REW NF630-CW/SW/SEW/HEW/REW	NV400-CW/SW/SEW/HEW NV630-CW/SW/SEW/HEW	63	164		
BAG-4UW3	NF400-UEW	-	63	164		
BAG-8SW3	NF800-CEW/SEW/SDW/HEW/REW	NV800-SEW/HEW	110	210		
BAG-8UW3	NF800-UEW	-	110	210		
BAG-10SW3	NF1000-SEW NF1250-SEW/SDW	-	98	210		
BAG-16SW3	NF1600-SEW/SDW	-	150	300		

Also the earth fault preventing barriers for 2- and 4-pole circuit breakers are available.