

WSS and WS-V Series Earth Leakage Type Circuit Breakers

NV

Trip Amperage	Rated Current (A)
	See Table Below

Symbol	Number of Poles
2	2 Poles
3	3 Poles

Symbol Molded Case Circuit Breakers		
50-SVFU	125-SVU	250-HVU
100-CVFU	125-HVU	400-SWU
100-SRU	225-CWU	400-HWU
100-HRU	250-SVU	

Symbol	Rated Sensitivity Current	Symbol	Internal Accessories (*1)
30	30	AL	Alarm switch
50	50	AX	Auxillary switch
100	100	SHT	Shunt Tripping Device (Designate rated voltage for coil)
	100•200•500mA (Adjustable)	UVT	Undervoltage Tripping Device (Designate rated voltage for coil)
	100•300•500mA (Adjustable)	SLT	Vertical lead-wire terminal block

Notes:

- When ordering two, designate as AL2 or AX2. For the microload type, designate AL-B or AX-B.
- For the 30 to 250A frame 2-pole or 3-pole TC-L, the specifications will be set according to the rated current.

Earth Leakage Type Circuit Breaker (50 – 100AF)

Frame Size (A)		50		100		
Model Number		NV50-SVFU		NV100-CVFU	NV100-SRU	NV100-HRU
Stocked Item		-	-	-	-	-
Rated Current in Amps at Ambient Temperature 40°C (IEC 30°C)		(5) (10) 15 20 30 40 50		60 (70) 75 (80) (90) 100	5 10 15 20 (25) 30 40 50	5 10 15 20 (25) 30 40 50 60 (70) 75 (80) (90) 100
Number of Poles		2	3	3	2	3
Phase Wire		1ø 2W	3ø 3W, 1ø 2W	3ø 3W, 1ø 2W	1ø 2W	3ø 3W, 1ø 2W
Rated Voltage	UL 489	100-240		100-240	100-240	120-240-480
	IEC 60947-2 EN 60947-2 JIS C 8201-2-2 Ann.1	100-240	100-440	100-440	100-230	100-230-400-440
Rated Sensitivity Current mA		30, 50	30, 50, 100	30 50, 100-200-500 switching	30, 50	30 50 100-300-500 switching
Pickup Current UL 1053		75%		75%	75%	75%
Operating Time Within AT 5IΔn		0.04		0.04	0.04	0.04
Leakage Display Method		Display window		Mechanical buttons	Mechanical buttons	Mechanical buttons
UL489 (File No. E108284) CSA C22.2 No. 5-02	AC	480V	-	-	-	18 (10)
		240V	14	14	35 (25)	50 (25)
		120V	14	14	35 (25)	50 (25)
JIS C 8201-2-1 Ann.1 IEC60947-2 EN60947-2 (Icu/Ics)	AC	440V	-	7.5/4	10/5	-
		400V	-	10/5	10/5	-
		230V	15/8	15/8	15/8	35/18 (25/13)
		100V	15/8	15/8	15/8	35/18 (25/13)
Overall Dimensions (mm)	Width	36	54	75	50	75
	Height	120		150	120	120
	Depth	68		68	68	74
	Depth Including Knob	90		90	96	102
External Handles	F-Type	2P: F-03SVUL2 3P: F-03SVUL		2P: F-05SVUL2 3P: F-05SVUL	2P: F-05SRUL2 3P: F-05SRUL	
	V-Type	2P: V-03SVUL2 3P: V-03SVUL		2P: V-05SVUL2 3P: V-05SVUL	2P: V-05SRUL2 3P: V-05SRUL	
	C-Type	-		3P: C1SVU	-	
Handle Lock	HL	HLF-03SVU		HLF-05SVU	HLF-05SRU	
	HL-S	HLS-03SVU		2P: HLS-05SVU2 3P: HLS-05SVU	2P: HLS-05SRU2 3P: HLS-05SRU3	
Terminal Cover		2P: TCL-03SVU2 3P: TCL-03SVU3		2P: TCL-05SVU2 TCL-05SVU2L 3P: TCL-05SVU3 TCL-05SVU3L	2P: TCS-05SRU2, TCL-05SRU2 3P: TCS-05SRU3, TCL-05SRU3 TCG-05SRU	

Note: V-Type handles require a separate extension shaft, V-AD3S for 50AF to 250AF ELCB and the V-AD3L for 400AF to 630AF ELCB.

Earth Leakage Type Circuit Breaker (125 – 400AF)

Frame Size (A)		125				225				250				400			
Model Number		NV125-SVU		NV125-HVU		NV225-CWU		NV250-SVU		NV250-HVU		NV400-SWU		NV400-HWU			
Stocked Item		-	-	-	-	-	-	-	-	-	-	S	S				
Rated Current in Amps at Ambient Temperature 40°C (IEC 30°C)		15 20 30 (40) 50 60 75 100	125	15 20 30 (40) 50 60 75 100	125	125 150 175 200 225	(250)	125 150 175 200 225	250	125 150 175 200 225	250	250 300 350 400	250 300 350 400				
Number of Poles		3		3		3		3		3		3		3			
Phase Wire		3ø 3W, 1ø 2W		3ø 3W, 1ø 2W		3ø 3W, 1ø 2W		3ø 3W, 1ø 2W		3ø 3W, 1ø 2W		3ø 3W, 1ø 2W		3ø 3W, 1ø 2W			
Rated Voltage	UL 489	120-480		120-480		240		120-480		120-480		120-480		120-480			
	IEC 60947-2 EN 60947-2 JIS C 8201-2-2 Ann. 1	100-440		100-440		230-400-440		100-440		100-440		100-440		100-440			
	Rated Sensitivity Current mA	30 50 100-200-500 switching															
Pickup Current UL 1053		75%															
Operating Time Within AT 5IΔn		0.04															
Leakage Display Method		Mechanical buttons															
UL489 (File No. E108284) CSA C22.2 No. 5-02	AC	480V	30	50	-	35	50	35	65	100	65	100					
		240V	50	100	35	65	100	65	100								
		120V	50	100	-	65	100	65	100								
JIS C 8201-2-1 Ann.1 IEC60947-2 EN60947-2 (Icu/Ics)	AC	440V	30/15	50/25	15/8	36/18	50/25	42/42 (36/36)	65/65								
		400V	30/15	50/25	18/9	36/18	50/25	45/45 (36/36)	70/70								
		230V	50/25	100/50	35/18	65/33	100/50	85/85 (65/65)	100/100								
		100V	50/25	100/50	-	65/33	100/50	85/85 (65/65)	100/100								
Overall Dimensions (mm)	Width	90		90		105		105		105		140		140			
	Height	160		160		165		185		185		257		257			
	Depth	68		68		68		68		68		103		103			
	Depth Including Knob	90		90		92		92		92		155		155			
External Handles	F-Type	F-1SVUL				F-2SUL				F-2SVUL				F-4SUL			
	V-Type	V-1SVUL				V-2SUL				V-2SVUL				V-4SUL			
	S-Type	-				S2SWU				-				-			
	C-Type	C1SVU				C2SWU				C2SVU				C4SWU			
Handle Lock	HL	HLF-05SVU				HLF-2SWU				HLF-05SVU				HL-4SWU			
	HL-S	HLS-05SVU				HLS-2SWU				HLS-2SVU				-			
Mechanical Interlock		-				MI-05SWU3				-				-			
Terminal Covers		TCL-1SVU3				TCL-2SWU3 TCL-2SWU3L				TCL-2SVU3 TCL-2SVU3L				TCL-4SWU			

Note: V-Type handles require a separate extension shaft, V-AD3S for 50AF to 250AF ELCB and the V-AD3L for 400AF to 630AF ELCB.

WSS and WS-V Series (50 – 630AF) UL489 Listed Internal Accessories

Circuit Breaker Series		Pole Installation	AL	AX	AL + AX	SHT	UVTN	UVTS
NFB	NV							
NF50-SVFU	-	Right Hand Pole	AL-03SVU	AX-03SVU	ALAX-03SVU	SHTA240-03SVUR SHTA440-03SVUR SHTD100-03SVUR	-	-
			AL-03SVURS	AX-03SVURS	ALAX-03SVURS	SHTA240-03SVURS SHTA440-03SVURS SHTD100-03SVURS	-	-
-	NV50-SVFU	Flying Type Lead	AL-03SVU	AX-03SVU	ALAX-03SVU	SHTA240-03SVUL SHTA440-03SVUL SHTD100-03SVUL	-	-
		Left Hand Pole	AL-03SVULS	AX-03SVULS	ALAX-03SVULS	SHTA240-03SVULS SHTA440-03SVULS SHTD100-03SVULS	-	-
NF100-SRU NF100-HRU	-	Right Hand Pole	AL-05SRU	AX-05SRU	ALAX-05SRU	SHTA240-05SRUR SHTA480-05SRUR SHTD125-05SRUR	-	-
			AL-05SRURS	AX-05SRURS	ALAX-05SRURS	SHTA240-05SRURS SHTA480-05SRURS SHTD125-05SRURS	-	-
-	NV100-SRU NV100-HRU	Flying Type Lead	AL-05SRU	AX-05SRU	ALAX-05SRU	SHTA110-05SRULS SHTA127-05SRULS SHTA220-05SRULS SHTA240-05SRULS SHTA415-05SRULS SHTA440-05SRULS SHTD024-05SRULS SHTD110-05SRULS	UVTNA110-05SRULS UVTNA127-05SRULS UVTNA220-05SRULS UVTNA240-05SRULS UVTNA415-05SRULS UVTNA440-05SRULS UVTND024-05SRULS UVTND110-05SRULS	-
		Left Hand Pole	AL-05SRULS	AX-05SRULS	ALAX-05SRULS			-
NF100-CVFU NF125-SVU/HVU NF250-SVU/HVU	-	Right Hand Pole	AL-05SVU	AX-05SVU	ALAX-05SVU	SHTA240-05SVUR SHTA550-05SVUR SHTD125-05SVUR	UVTNAD130-05SVUR UVTNA250-05SVUR UVTNA480-05SVUR	UVTSAD130-05SVUR UVTSA250-05SVUR UVTSA480-05SVUR
			AL-05SVURS	AX-05SVURS	ALAX-05SVURS	SHTA240-05SVURS SHTA550-05SVURS SHTD125-05SVURS	UVTNAD130-05SVURS UVTNA250-05SVURS UVTNA480-05SVURS	UVTSAD130-05SVURS UVTSA250-05SVURS UVTSA480-05SVURS
-	NV100-CVFU NV125-SVU/HVU NV250-SVU/HVU	Flying Lead Type	AL-05SVU	AX-05SVU	ALAX-05SVU	SHTA240-05SVUL SHTA550-05SVUL SHTD125-05SVUL	UVTNAD130-05SVUL UVTNA250-05SVUL UVTNA480-05SVUL	UVTSAD130-05SVUL UVTSA250-05SVUL UVTSA480-05SVUL
		Left Hand Pole	AL-05SVULS	AX-05SVULS	ALAX-05SVULS	SHTA240-05SVULS SHTA550-05SVULS SHTD125-05SVULS	UVTNAD130-05SVULS UVTNA250-05SVULS UVTNA480-05SVULS	UVTSAD130-05SVULS UVTSA250-05SVULS UVTSA480-05SVULS
NF400-SWU NF400-HWU NF630-SWU NF630-HWU	-	Right Hand Pole	-	AX-4SWU	-	SHT-4SWU	-	-
			-	AX-4SWURS	-	SHT-4SWURS	-	-
-	NV400-SWU NV400-HWU	Flying Lead Type	AL-4SWUL	AX-4SWUL	ALAX-4SWUL	SHT-4SWU	-	-
		Left Hand Pole	AL-4SWULS	AX-4SWULS	ALAX-4SWULS	SHT-4SWULS	-	-

Note: See WS-V series catalog for complete details and specifications.