

The tables in this information bulletin provide approximate dimensions and shipping weights for typical bays of S&C Custom Metal-Enclosed Switchgear. The dimensions are provided for reference only, as an aid in the preliminary planning of installations. The exact dimensions for a specific switchgear lineup will be provided in the final-design engineering drawings and depend on the features and components specified for the bays of the line-up.

Table 1: Custom Bay—Heights, Depths, and Shipping Weights

Voltage (kV)	Compact Bays			Universal Bays			Approximate Shipping Weight, in pounds (kg), per Bay for Estimating Concrete Loading
	Height, in inches (cm)		Depth, in inches (cm)	Height, in inches (cm)		Depth, in inches (cm)	
	Indoor	Outdoor		Indoor	Outdoor		
4.16	90 (229)	93 (236)	36 (91)	104 (264)	107 (272)	36 (91)	2000 (907)
13.8	90 (229)	93 (236)	44 (112)	120 (305)	123 (312)	44 (112)	3000 (1361)



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S&C Custom Metal-Enclosed Switchgear

Table 2: 4.16-kV, 60-kV BIL Custom Bays—Typical Widths and Available Cable Space

Main Bus Continuous Rating (Amps)	Bay Function	Basic Component Description		Compact Bays ^①			Universal Bays ^①		
				Width, in inches (cm)		Cable Termination Height, in inches (cm)	Width, in inches (cm)		Cable Termination Height, in inches (cm)
				Manual	Power Operated		Manual	Power Operated	
600	Entrance	Mini-Rupter® Switch	Main Contact at Top	36 (91)	38 (97)	50 (127)	36 (91)	38 (97)	64 (163)
			Main Contact at Bottom	36 (91)	38 (97)	41 (104)	36 (91)	38 (97)	55 (140)
		Mini-Rupter Switch with	SM-40	36 (91)	38 (97)	34 (86)	36 (91)	38 (97)	48 (122)
			SM-5S	NA	NA	—	36 (91)	38 (97)	27 (69)
			Fault Fiter	42 (107)	44 (112)	26 (66)	42 (107)	44 (112)	40 (102)
	Feeder	Mini-Rupter Switch		36 (91)	38 (97)	50 (127)	36 (91)	38 (97)	64 (163)
		Mini-Rupter Switch with	SM-4Z	36 (91)	38 (97)	35 (89)	36 (91)	38 (97)	49 (124)
			SM-40	36 (91)	38 (97)	34 (86)	36 (91)	38 (97)	48 (122)
			SM-5S	36 (91)	38 (97)	33 (84)	36 (91)	38 (97)	47 (119)
			Fault Fiter	42 (107)	44 (112)	27 (69)	42 (107)	44 (112)	41 (104)
	Auxiliary	Bus-Tie Switch—Mini-Rupter Switch		36 (91)	38 (97)	—	36 (91)	38 (97)	—
		Bus Tap		30 (76)	NA	76 (193)	30 (76)	NA	90 (229)
		Bus Transition		18 (46)	NA	—	18 (46)	NA	—
	Metering	Through Bus		36 (91)	NA	—	36 (91)	NA	—
		Bus Tap		36 (91)	NA	●	36 (91)	NA	●
1200	Entrance	Alduti-Rupter® Switch	Main Contact at Top	36 (91)	41 (104)	50 (127)	36 (91)	41 (104)	64 (163)
			Main Contact at Bottom	36 (91)	41 (104)	50 (127)	36 (91)	41 (104)	64 (163)
		Mini-Rupter Switch with Fault Fiter		42 (107)	44 (112)	26 (66)	42 (107)	44 (112)	40 (102)
	Feeder	Mini-Rupter Switch with	SM-4Z	36 (91)	38 (97)	35 (89)	36 (91)	38 (97)	49 (124)
			SM-40	36 (91)	38 (97)	34 (86)	36 (91)	38 (97)	48 (122)
			SM-5S	36 (91)	38 (97)	33 (84)	36 (91)	38 (97)	47 (119)
			Fault Fiter	42 (107)	44 (112)	27 (69)	42 (107)	44 (112)	41 (104)
	Auxiliary	Bus-Tie Switch—Alduti-Rupter		36 (91)	41 (104)	—	36 (91)	41 (104)	—
		Bus Tap		30 (76)	NA	76 (193)	30 (76)	NA	90 (229)
		Bus Transition		18 (46)	NA	—	18 (46)	NA	—
	Metering	Through Bus		41 (104)	NA	—	41 (104)	NA	—
		Bus Tap		41 (104)	NA	●	41 (104)	NA	●

① These dimensions are approximate and final dimensions will be shown on the drawings.

● Cable-termination height depends upon options selected and mounting arrangement required. Consult the nearest S&C Sales Office.

Table 3: 13.8-kV, 95-kV BIL Custom Bays—Typical Widths and Available Cable Space

Main Bus Continuous Rating (Amps)	Bay Function	Basic Component Description		Compact Bays ^①			Universal Bays ^①		
				Width, in inches (cm)		Cable Termination Height, in inches (cm)	Width, in inches (cm)		Cable Termination Height, in inches (cm)
				Manual	Power Operated		Manual	Power Operated	
600	Entrance	Mini-Rupter Switch	Main Contact at Top	42 (107)	44 (112)	46 (117)	42 (107)	44 (112)	76 (193)
			Main Contact at Bottom	42 (107)	44 (112)	37 (94)	42 (107)	44 (112)	67 (170)
		Mini-Rupter Switch with	SM-40	42 (107)	44 (112)	25 (64)	42 (107)	44 (112)	55 (140)
			SM-5S	NA	NA	—	42 (107)	44 (112)	34 (86)
			Fault Fiter	42 (107)	44 (112)	26 (66)	42 (107)	44 (112)	56 (142)
	Feeder	Mini-Rupter Switch		42 (107)	44 (112)	46 (117)	42 (107)	44 (112)	76 (193)
		Mini-Rupter Switch with	SM-4Z	42 (107)	44 (112)	27 (69)	42 (107)	44 (112)	57 (145)
			SM-20	42 (107)	44 (112)	27 (69)	42 (107)	44 (112)	57 (145)
			SM-40	42 (107)	44 (112)	25 (64)	42 (107)	44 (112)	55 (140)
			SM-5S	42 (107)	44 (112)	25 (64)	42 (107)	44 (112)	55 (140)
			Fault Fiter	42 (107)	44 (112)	23 (58)	42 (107)	44 (112)	53 (134)
	Auxiliary	Bus-Tie Switch—Mini-Rupter		46 (117)	46 (117)	—	46 (117)	46 (117)	—
		Bus Tap		30 (76)	NA	75 (191)	30 (76)	NA	105 (267)
		Bus Transition		18 (46)	NA	—	18 (46)	NA	—
	Metering	Through Bus		42 (107)	NA	—	42 (107)	NA	—
		Bus Tap		42 (107)	NA	●	42 (107)	NA	●
1200	Entrance	Alduti-Rupter Switch	Main Contact at Top	46 (117)	50 (127)	42 (107)	46 (117)	50 (127)	72 (183)
			Main Contact at Bottom	46 (117)	50 (127)	42 (107)	46 (117)	50 (127)	72 (183)
		Mini-Rupter Switch with Fault Fiter		42 (107)	44 (112)	26 (66)	42 (107)	44 (112)	56 (142)
	Feeder	Mini-Rupter Switch		42 (107)	44 (112)	46 (117)	42 (107)	44 (112)	76 (193)
		Alduti-Rupter Switch		46 (117)	50 (127)	42 (107)	46 (117)	50 (127)	72 (183)
		Mini-Rupter Switch with	SM-4Z	42 (107)	44 (112)	27 (69)	42 (107)	44 (112)	57 (145)
			SM-20	42 (107)	44 (112)	27 (69)	42 (107)	44 (112)	57 (145)
			SM-40	42 (107)	44 (112)	25 (64)	42 (107)	44 (112)	55 (140)
			SM-5S	42 (107)	44 (112)	25 (64)	42 (107)	44 (112)	55 (140)
			SM-5SS	42 (107)	44 (112)	18 (46)	42 (107)	44 (112)	48 (122)
	Fault Fiter	42 (107)	44 (112)	23 (58)	42 (107)	44 (112)	53 (134)		
	Auxiliary	Bus-Tie Switch—Alduti-Rupter		46 (117)	50 (127)	—	46 (117)	50 (127)	—
		Bus Tap		30 (76)	NA	75 (191)	30 (76)	NA	105 (267)
		Bus Transition		18 (46)	NA	—	18 (46)	NA	—
	Metering	Through Bus		46 (117)	NA	—	46 (117)	NA	—
		Bus Tap		46 (117)	NA	●	46 (117)	NA	●

① These dimensions are approximate and final dimensions will be shown on the drawings.

● Cable-termination height depends upon options selected and mounting arrangement required. Consult the nearest S&C Sales Office.