The enclosure and insulating-barrier dimensions listed in this document have been determined using the *minimum* clearances (shown in Note 4 on pages 3, 5, 7, 9, 11, and 13) recommended to maintain the inherent electrical ratings of Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap configurations. When installing bus or cable connections and cable terminations, these clearances should be observed.

Note: Lesser clearances than those shown are acceptable only if substantiated by impulse-testing of the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc. Dimensions shown for clearances to barriers are for barriers of 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent. For other barrier materials, refer to the nearest S&C Sales Office.

The enclosures should also reflect adequate consideration of environmental factors, such as controlled access, tamper-resistance, and sealing against ingress of rodents, insects, and weeds.

★ Not applicable to submersible enclosures.

Supersedes Data Bulletin 785-60 dated 3-29-2010

November 2, 2020
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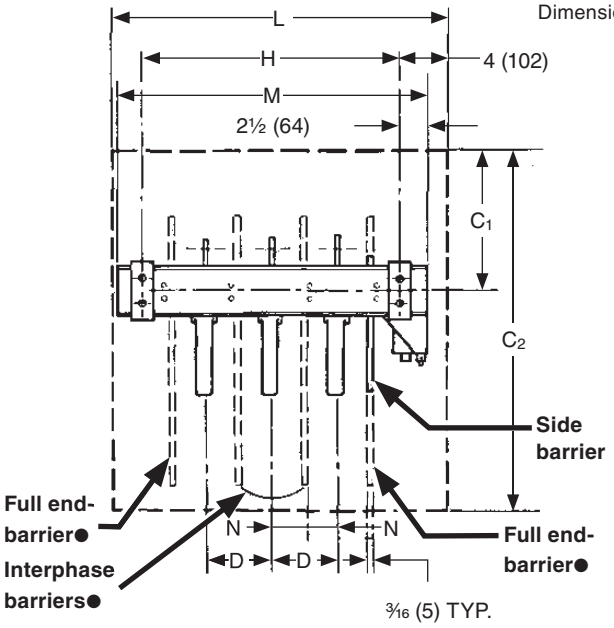
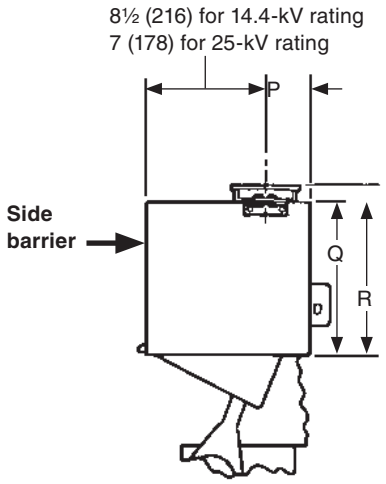
Top-Supported Frame, Main Contact at Top, Handle on Right, Manually Operated Style

Dimensions in inches (mm)

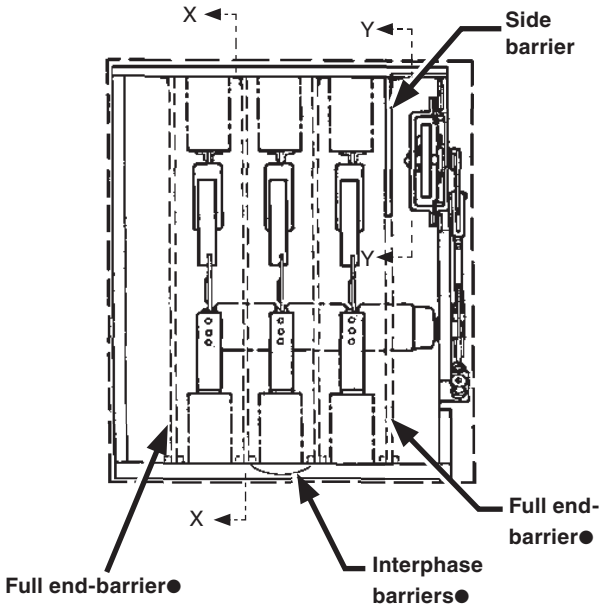


TOP VIEW

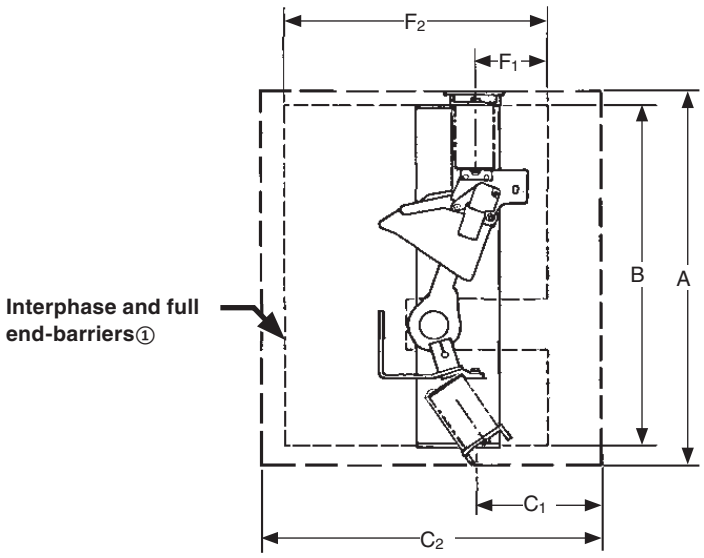


The side barrier, furnished by S&C, must be installed as shown if full end-barriers are not used.

SECTION Y-Y



FRONT VIEW



SECTION X-X

● For Mini-Rupter Switch catalog number 255062, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

NOTES

1. The enclosure and insulating-barrier dimensions listed in this document have been determined using the minimum clearances (shown in Note 4) recommended to maintain the inherent electrical ratings of Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap configurations. When installing bus or cable connections and cable terminations, these clearances should be observed.
2. The purchaser must provide stops to limit handle travel to 140 degrees.
3. If connectors greater than 1 inch (25 mm) "high" are to be used at top terminals, terminal-pad adapters (furnished by the purchaser) should be installed so the minimum recommended energized part-to-barrier clearance is not compromised.
4. If the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc., is not impulse-tested to verify it will fully meet its assigned BIL rating, the assembly should be checked to ensure the following minimum recommended clearances have been met or exceeded. Greater clearances may be required if corners, edges, or small-radius points exist.

Switch Rating, kV, BIL	Minimum Recommended Clearance, Inches (mm)		
	Metal-to-Metal① (phase-to-phase and phase-to-ground)	Energized Part-to-Barrier	Barrier-to-Ground (In vicinity of energized parts)
95 125	6 (152) 8½ (216)	1 (25) 2¼ (57)	1 (25) 2¼ (57)

① Where barriers are provided, metal-to-metal distances should be measured around the edge of the barrier.

System Rating, kV, Nom.	Switch Rating				Catalog Number①	Minimum Dimensions, Inches (mm)												
	kV			Amperes, Cont.														
	Nom.	Max	BIL			A	B	C_1	C2	D②	F_1	F_2	H②	L	M②	N②	P	Q	R
4.16 thru 16.5	14.4	17.0	95●■	600	255022	36 (914)	32¾ (832)	11 (279)	31 (787)	6 (152)	6⅞ (175)	23⅞ (606)	23¼ (591)	30 (762)	28¼ (718)	2⅞ (73)	3½ (89)	9¾ (248)	11 (279)
4.16 thru 16.5	14.4	17.0	95●■	600	255032	36 (914)	32¾ (832)	11 (279)	31 (787)	6 (152)	6⅞ (175)	23⅞ (606)	23¼ (591)	30 (762)	28¼ (718)	2⅞ (73)	3½ (89)	9¾ (248)	11 (279)
12 thru 27.6	25	29	125●▲	600	255043	38½ (978)	35¼ (895)	13½ (343)	38 (965)	7½ (191)	11¼ (286)	28¼ (718)	28 (711)	35 (889)	33 (838)	3⅝ (92)	6½ (165)	16 (406)	17¼ (438)
12 thru 27.6	25	29	125●▲	600	255053	38½ (978)	35¼ (895)	13½ (343)	38 (965)	7½ (191)	11¼ (286)	28¼ (718)	28 (711)	35 (889)	33 (838)	3⅝ (92)	6½ (165)	16 (406)	17¼ (438)

① The catalog number of the switch supplied may be supplemented with the letter "R" followed by a digit. This indicates the most recent modification of construction details for that particular Mini-Rupter Switch.

② These dimensions are inherent to the switch and are thus invariable.

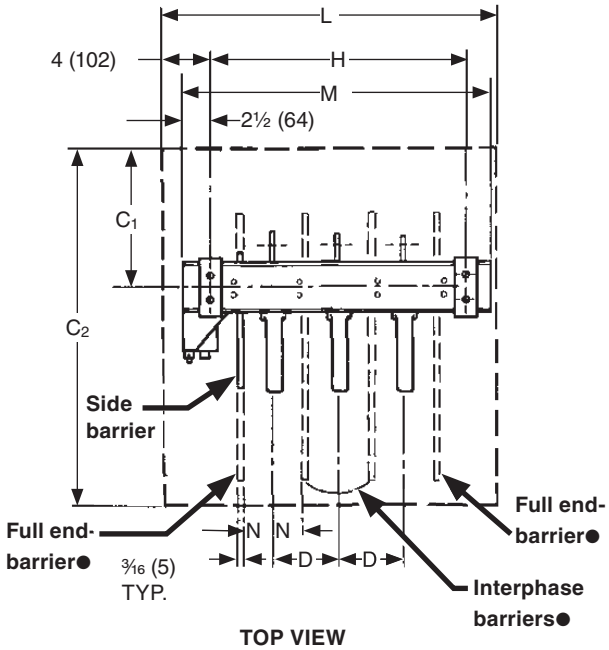
● These switches require the addition of insulating interphase barriers (furnished by S&C or the purchaser) to attain the BIL rating shown. Such barriers should be 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent.

■ These switches may be applied without insulating interphase barriers and full end-barriers for service on systems rated 4.16 kV through 7.2 kV with a 75-kV BIL rating.

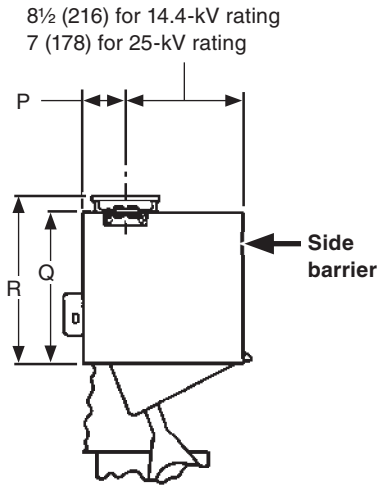
▲ These switches may be applied without insulating interphase barriers for service on systems rated 12 kV through 16.5 kV with a 95-kV BIL rating.

Top-Supported Frame, Main Contact at Top, Handle on Left, Manually Operated Style

Dimensions in inches (mm)

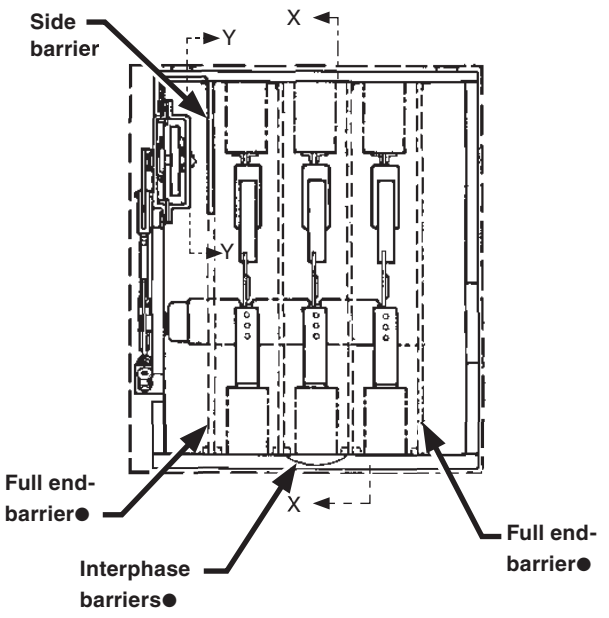


TOP VIEW

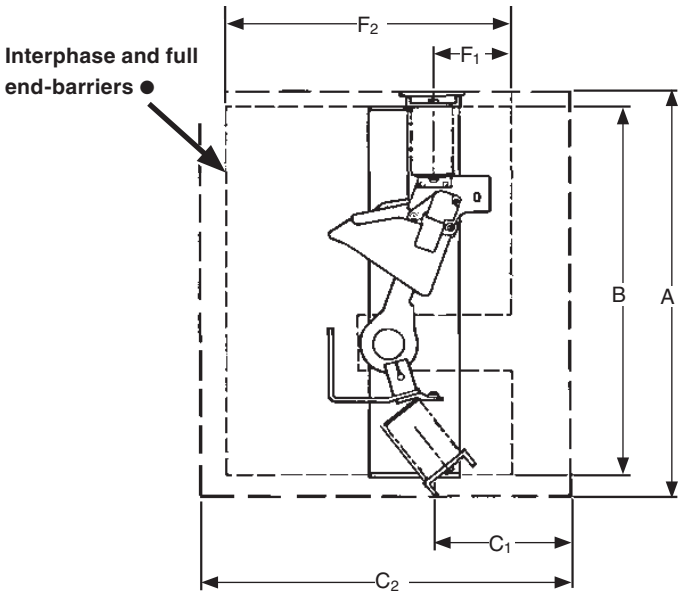


The side barrier, furnished by S&C, must be installed as shown if full end-barriers are not used.

SECTION Y-Y



FRONT VIEW



SECTION X-X

● For Mini-Rupter Switch catalog number 255162, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

NOTES

1. The enclosure and insulating-barrier dimensions listed in this document have been determined using the minimum clearances (shown in Note 4) recommended to maintain the inherent electrical ratings of Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap configurations. When installing bus or cable connections and cable terminations, these clearances should be observed.
2. The purchaser must provide stops to limit handle travel to 140 degrees.
3. If connectors greater than 1 inch (25 mm) "high" are to be used at top terminals, terminal-pad adapters (furnished by the purchaser) should be installed, so that the minimum recommended energized part-to-barrier clearance is not compromised.
4. If the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc., is not impulse-tested to verify it will fully meet its assigned BIL rating, the assembly should be checked to ensure the following minimum recommended clearances have been met or exceeded. Greater clearances may be required if corners, edges, or small-radius points exist.

Switch Rating, kV, BIL	Minimum Recommended Clearance, Inches (mm)		
	Metal-to-Metal① (phase-to-phase and phase-to-ground)	Energized Part-to-Barrier	Barrier-to-Ground (In vicinity of energized parts)
95 125	6 (152) 8½ (216)	1 (25) 2¼ (57)	1 (25) 2¼ (57)

① Where barriers are provided, metal-to-metal distances should be measured around the edge of the barrier.

System Rating, kV, Nom.	Switch Rating				Catalog Number①	Minimum Dimensions, Inches (mm)													
	kV			Amperes, Cont.		A	B	C_1	C2	D②	F_1	F_2	H②	L	M②	N②	P	Q	R
	Nom.	Max	BIL																
4.16 thru 16.5	14.4	17.0	95●■	600	255122	36 (914)	32¾ (832)	11 (279)	31 (787)	6 (152)	6⅞ (175)	23⅞ (606)	23¼ (591)	30 (762)	28¼ (718)	2⅞ (73)	3½ (89)	9¾ (248)	11 (279)
4.16 thru 16.5	14.4	17.0	95●■	600	255132	36 (914)	32¾ (832)	11 (279)	31 (787)	6 (152)	6⅞ (175)	23⅞ (606)	23¼ (591)	30 (762)	28¼ (718)	2⅞ (73)	3½ (89)	9¾ (248)	11 (279)
12 thru 27.6	25	29	125●▲	600	255143	38½ (978)	35¼ (895)	13½ (343)	38 (965)	7½ (191)	11¼ (286)	28¼ (718)	28 (711)	35 (889)	33 (838)	3⅝ (92)	6½ (165)	16 (406)	17¼ (438)
12 thru 27.6	25	29	125●▲	600	255153	38½ (978)	35¼ (895)	13½ (343)	38 (965)	7½ (191)	11¼ (286)	28¼ (718)	28 (711)	35 (889)	33 (838)	3⅝ (92)	6½ (165)	16 (406)	17¼ (438)

① The catalog number of the switch supplied may be supplemented with the letter "R" followed by a digit. This indicates the most recent modification of construction details for that particular Mini-Rupter Switch.

② These dimensions are inherent to the switch and are thus invariable.

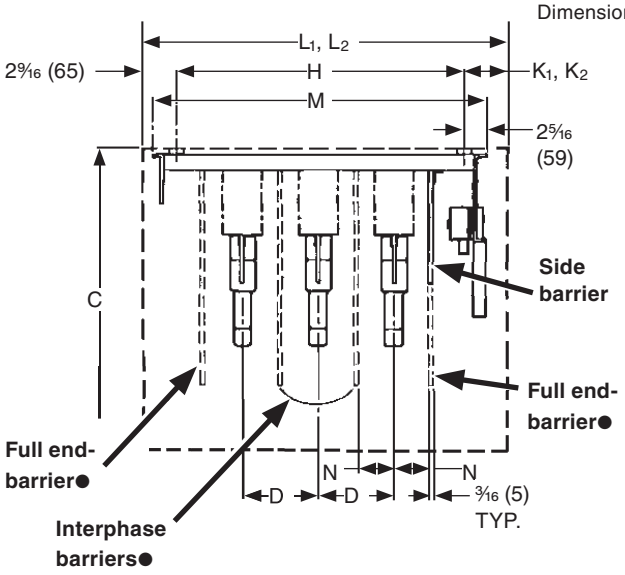
● These switches require the addition of insulating interphase barriers (furnished by S&C or the purchaser) in order to attain the BIL rating shown. Such barriers should be 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent.

■ These switches may be applied without insulating interphase barriers and full end-barriers for service on systems rated 4.16 kV through 7.2 kV with a 75-kV BIL rating.

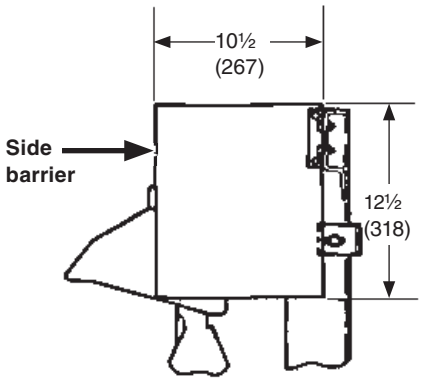
▲ These switches may be applied without insulating interphase barriers for service on systems rated 12 kV through 16.5 kV with a 95-kV BIL rating.

Back-Supported Frame, Main Contact at Top, Handle on Right, Manually Operated Style

Dimensions in inches (mm)

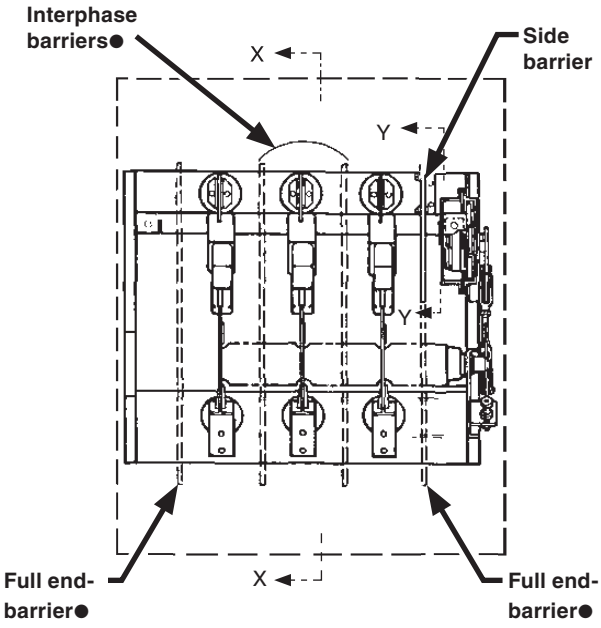


TOP VIEW

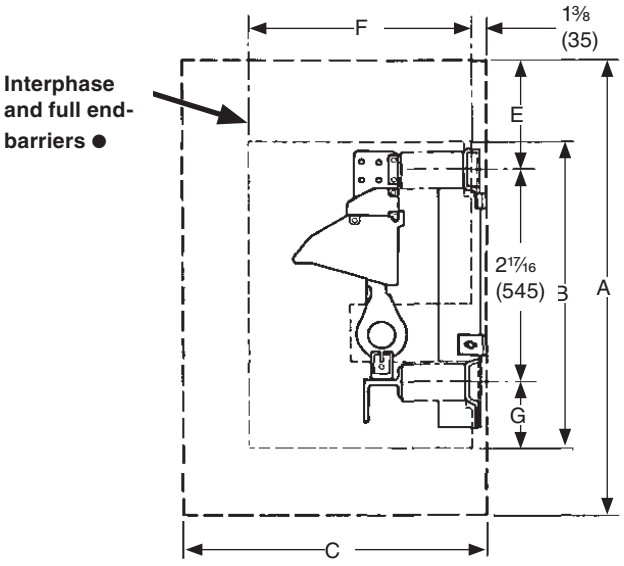


The side barrier, furnished by S&C for all switches except back-supported frame style rated 25 kV nominal, must be installed as shown if full end-barriers are not used.

SECTION Y-Y



FRONT VIEW



SECTION X-X

● For Mini-Rupter Switch catalog number 255232, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

NOTES

1. The enclosure and insulating-barrier dimensions listed in this document have been determined using the minimum clearances (shown in Note 4) recommended to maintain the inherent electrical ratings of Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap configurations. When installing bus or cable connections and cable terminations, these clearances should be observed.
2. For enclosures wherein Mini-Rupter Switches are to be combined with S&C Power Fuses in a "switch-over-fuse" configuration, recommended minimum fuse-component clearances may govern in determining the enclosure dimensions. (Minimum construction specifications for enclosures for S&C Types SM-4Z, SM-5S, SM-5SS, and SM-20 Power Fuses are given in S&C Information Bulletin 252-62.)
3. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "fuse-over-switch" configuration, consult the nearest S&C Sales Office.
4. If the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc., is not impulse-tested to verify it will fully meet its assigned BIL rating, the assembly should be checked to ensure the following minimum recommended clearances have been met or exceeded. Greater clearances may be required if corners, edges, or small-radius points exist.

Switch Rating, kV, BIL	Minimum Recommended Clearance, Inches (mm)		
	Metal-to-Metal① (phase-to-phase and phase-to-ground)	Energized Part-to-Barrier	Barrier-to-Ground (In vicinity of energized parts)
95 125	6 (152) 8½ (216)	1 (25) 2¼ (57)	1 (25) 2¼ (57)

① Where barriers are provided, metal-to-metal distances should be measured around the edge of the barrier.

5. The S&C Nonremovable Side Handle and Nonremovable Front Handle incorporate stops that limit switch-operating-shaft travel to 140 degrees. If the S&C Removable Side Handle is furnished, or if any handle is furnished by the purchaser, these stops or their equivalent must be provided by the purchaser.
6. If connectors greater than 1 inch (25 mm) "high" are to be used at top terminals, terminal-pad adapters (furnished by the purchaser) should be installed so the minimum recommended energized part-to-barrier clearance is not compromised.

System Rating, kV, Nom.	Switch Rating				Catalog Number①	Minimum Dimensions, Inches (mm)													
	kV			Amperes, Cont.		A	B	C	D②	E	F	G	H②	$K_1$③	$K_2$③	$L_1$③	$L_2$③	M②	N②
	Nom.	Max	BIL																
4.16 thru 16.5	14.4	17.0	95●■	600	255222◆	39 13/16 (1011)	30½ (775)	26⅞ (683)	6 (152)	8 (203)	21 7/16 (545)	6½ (165)	23⅝ (600)	3 13/16 (97)	7 11/16 (195)	30 (762)	33⅞ (860)	28¼ (718)	2⅞ (73)
12 thru 16.5	14.4	17.0	95▲	600	255232◆	39 13/16 (1011)	—	26⅞ (683)	7½ (191)	8 (203)	—	—	28⅜ (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38⅝ (981)	33 (838)	3⅝ (92)
16.5 thru 27.6	25	29	125●	600	255243	44 13/16 (1138)	35¾ (908)	30⅝ (769)	7½ (191)	10½ (267)	22 11/16 (576)	8⅜ (213)	28⅜ (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38⅝ (981)	33 (838)	3⅝ (92)

① The catalog number of the switch supplied may be supplemented with the letter "R" followed by a digit. This indicates the most recent modification of construction details for that particular Mini-Rupter Switch.

② These dimensions are inherent to the switch and are thus invariable.

③ Dimensions K1 and L1 are applicable to switches furnished with removable side handles. Dimensions K2 and L2 are applicable to switches furnished with nonremovable side handles or nonremovable front handles.

● These switches require the addition of insulating interphase barriers plus full end-barriers (furnished by S&C or the purchaser) in order to attain the BIL rating shown. Such barriers should be 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent.

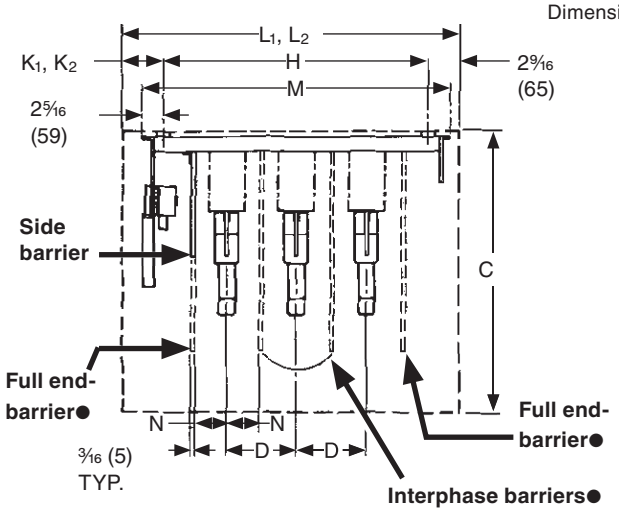
■ This switch may be applied without insulating interphase barriers and full end-barriers for service on systems rated 4.16 kV through 7.2 kV with a 75-kV BIL rating.

▲ For Mini-Rupter Switch catalog number 255232, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

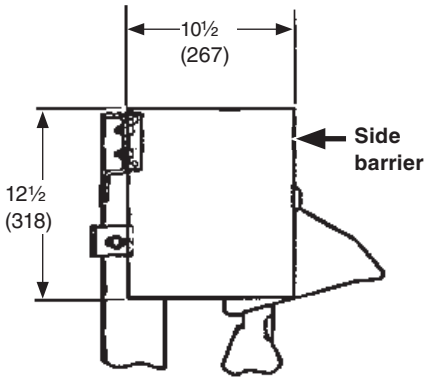
◆ These switches are UL recognized.

Back-Supported Frame, Main Contact at Top, Handle on Left, Manually Operated Style

Dimensions in inches (mm)

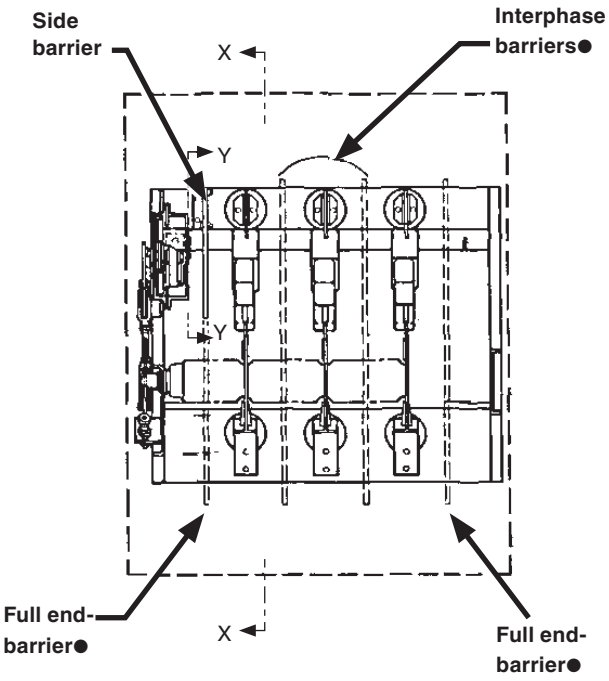


TOP VIEW

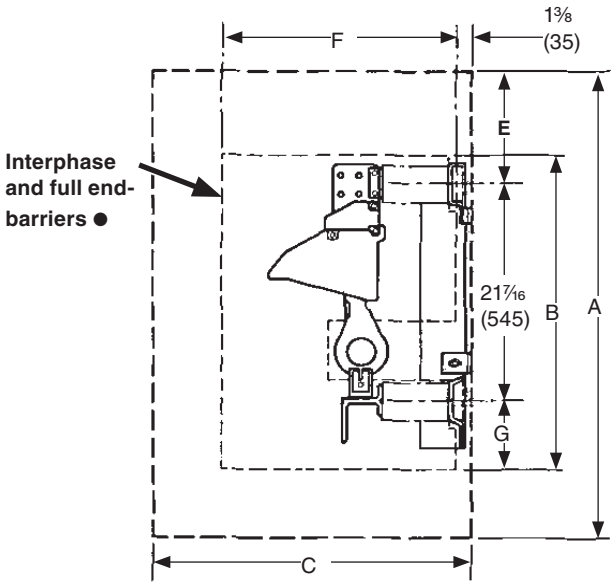


The side barrier, furnished by S&C for all switches except back-supported frame style rated 25 kV nominal, must be installed as shown if full end-barriers are not used.

SECTION Y-Y



FRONT VIEW



SECTION X-X

● For Mini-Rupter Switch Catalog Number 255282, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

NOTES

1. The enclosure and insulating-barrier dimensions listed in this document have been determined using the minimum clearances (shown in Note 4) recommended to maintain the inherent electrical ratings of Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap configurations. When installing bus or cable connections and cable terminations, these clearances should be observed.
2. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "switch-over-fuse" configuration, recommended minimum fuse-component clearances may govern in determining the enclosure dimensions. (Minimum construction specifications for enclosures for S&C Types SM-4Z, SM-5S, SM-5SS, and SM-20 Power Fuses are given in S&C Information Bulletin 252-62.)
3. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "fuse-over-switch" configuration, consult the nearest S&C Sales Office.
4. If the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc., is not impulse-tested to verify it will fully meets assigned BIL rating, the assembly should be checked to ensure the following minimum recommended clearances have been met or exceeded. Greater clearances may be required if corners, edges, or small-radius points exist.

Switch Rating, kV, BIL	Minimum Recommended Clearance, Inches (mm)		
	Metal-to-Metal① (phase-to-phase and phase-to-ground)	Energized Part-to-Barrier	Barrier-to-Ground (In vicinity of energized parts)
95	6 (152)	1 (25)	1 (25)
125	8½ (216)	2¼ (57)	2¼ (57)

① Where barriers are provided, metal-to-metal distances should be measured around the edge of the barrier.

5. The S&C Nonremovable Side Handle and Nonremovable Front Handle incorporate stops that limit switch-operating-shaft travel to 140 degrees. If the S&C Removable Side Handle is furnished, or if any handle is furnished by the purchaser, these stops or their equivalent must be provided by the purchaser.
6. If connectors greater than 1 inch (25 mm) "high" are to be used at top terminals, terminal-pad adapters (furnished by the purchaser) should be installed, so that the minimum recommended energized part-to-barrier clearance is not compromised.

System Rating, kV, Nom.	Switch Rating				Catalog Number①	Minimum Dimensions, Inches (mm)													
	kV			Amperes, Cont.		A	B	C	D②	E	F	G	H②	$K_1$③	$K_2$③	$L_1$③	$L_2$③	M②	N②
	Nom.	Max	BIL																
4.16 thru 16.5	14.4	17.0	95●■	600	255272◆	39 13/16 (1011)	30½ (775)	26⅞ (683)	6 (152)	8 (203)	21 7/16 (545)	6½ (165)	23⅝ (600)	3 13/16 (97)	7 11/16 (195)	30 (762)	33⅞ (860)	28¼ (718)	2⅞ (73)
12 thru 16.5	14.4	17.0	95▲	600	255282◆	39 13/16 (1011)	—	26⅞ (683)	7½ (191)	8 (203)	—	—	28⅜ (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38⅝ (981)	33 (838)	3⅝ (92)
16.5 thru 27.6	25	29	125●	600	255293	44 13/16 (1138)	35¾ (908)	30⅝ (769)	7½ (191)	10½ (267)	22 11/16 (576)	8⅜ (213)	28⅜ (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38⅝ (981)	33 (838)	3⅝ (92)

① The catalog number of the switch supplied may be supplemented with the letter "R" followed by a digit. This indicates the most recent modification of construction details for that particular Mini-Rupter Switch.

② These dimensions are inherent to the switch and are thus invariable.

③ Dimensions K1 and L1 are applicable to switches furnished with removable side handles. Dimensions K2 and L2 are applicable to switches furnished with nonremovable side handles or nonremovable front handles.

● These switches require the addition of insulating interphase barriers plus full end-barriers (furnished by S&C or the purchaser) to attain the BIL rating shown. Such barriers should be 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent.

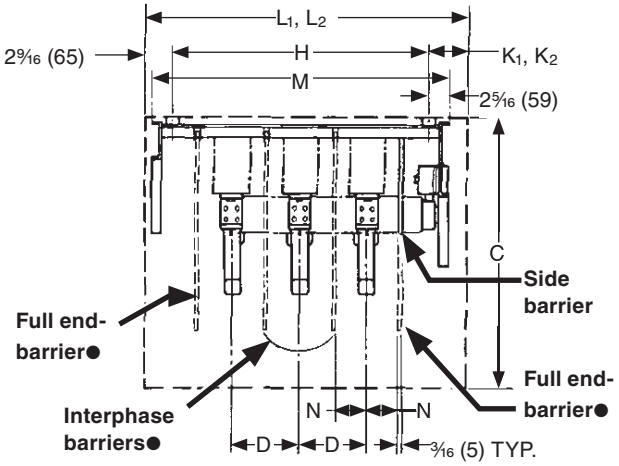
■ This switch may be applied without insulating interphase barriers and full end-barriers for service on systems rated 4.16 kV through 7.2 kV with a 75-kV BIL rating.

▲ For Mini-Rupter Switch catalog number 255282, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

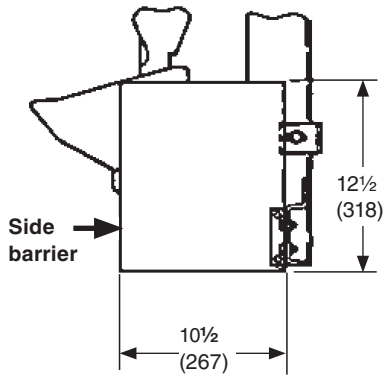
◆ These switches are UL recognized.

Back-Supported Frame, Main Contact at Bottom, Handle on Right, Manually Operated Style

Dimensions in inches (mm)

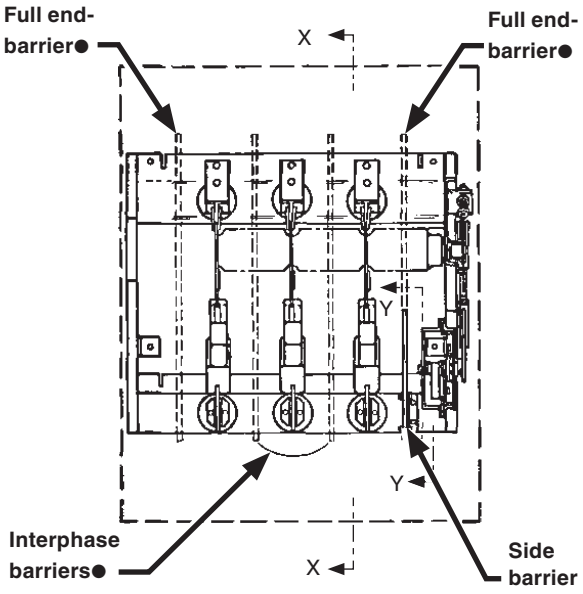


TOP VIEW

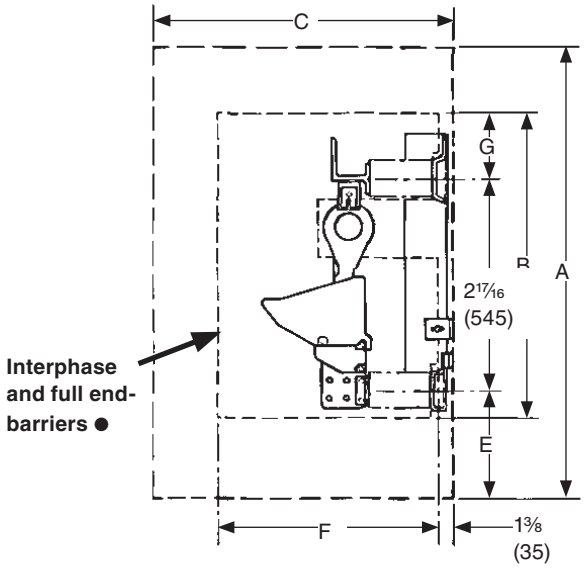


The side barrier, furnished by S&C for all switches except back-supported frame style rated 25 kV nominal, must be installed as shown if full end-barriers are not used.

SECTION Y-Y



FRONT VIEW



SECTION X-X

● For Mini-Rupter Switch catalog number 255532, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

NOTES

1. The enclosure and insulating-barrier dimensions listed in this document have been determined using the minimum clearances (shown in Note 4) recommended to maintain the inherent electrical ratings of Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap confrontations. When installing bus or cable connections and cable terminations, these clearances should be observed.
2. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "switch-over-fuse" configuration, recommended minimum fuse-component clearances may govern in determining the enclosure dimensions. (Minimum construction specifications for enclosures for S&C Types SM-4Z, SM-5S, SM-5SS, and SM-20 Power Fuses are given in S&C Information Bulletin 252-62.)
3. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "fuse-over-switch" configuration, consult the nearest S&C Sales Office.
4. If the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc., is not impulse-tested to verify it will fully meet its assigned BIL rating, the assembly should be checked to ensure the following minimum recommended clearances have been met or exceeded. Greater clearances may be required if corners, edges, or small-radius points exist.

Switch Rating, kV, BIL	Minimum Recommended Clearance, Inches (mm)		
	Metal-to-Metal① (phase-to-phase and phase-to-ground)	Energized Part-to-Barrier	Barrier-to-Ground (In vicinity of energized parts)
95 125	6 (152) 8½ (216)	1 (25) 2¼ (57)	1 (25) 2¼ (57)

① Where barriers are provided, metal-to-metal distances should be measured around the edge of the barrier.

5. The S&C Nonremovable Side Handle and Nonremovable Front Handle incorporate stops that limit switch-operating-shaft travel to 140 degrees. If the S&C Removable Side Handle is furnished, or if any handle is furnished by the purchaser, these stops or their equivalent must be provided by the purchaser.
6. If connectors greater than 1 inch (25 mm) "high" are to be used at bottom terminals, terminal-pad adapters (furnished by the purchaser) should be installed, so that the minimum recommended energized part-to-barrier clearance is not compromised.

System Rating, kV, Nom.	Switch Rating				Catalog Number①	Minimum Dimensions, Inches (mm)													
	kV			Amperes, Cont.		A	B	C	D②	E	F	G	H②	$K_1$③	$K_2$③	$L_1$③	$L_2$③	M②	N②
	Nom.	Max	BIL																
4.16 thru 16.5	14.4	17.0	95●■	600	255522◆	39 13/16 (1011)	30½ (775)	26⅞ (683)	6 (152)	8 (203)	21 7/16 (545)	6½ (165)	23⅝ (600)	3 13/16 (97)	7 11/16 (195)	30 (762)	33⅞ (860)	28¼ (718)	2⅞ (73)
12 thru 16.5	14.4	17.0	95▲	600	255532◆	39 13/16 (1011)	—	26⅞ (683)	7½ (191)	8 (203)	—	—	28⅜ (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38⅝ (981)	33 (838)	3⅝ (92)
16.5 thru 27.6	25	29	125●	600	255543	44 13/16 (1138)	35¾ (908)	30⅝ (769)	7½ (191)	10½ (267)	22 11/16 (576)	8⅜ (213)	28⅜ (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38⅝ (981)	33 (838)	3⅝ (92)

① The catalog number of the switch supplied may be supplemented with the letter "R" followed by a digit. This indicates the most recent modification of construction details for that particular Mini-Rupter Switch.

② These dimensions are *inherent* to the switch and are thus invariable.

③ Dimensions K1 and L1 are applicable to switches furnished with removable side handles. Dimensions K2 and L2 are applicable to switches furnished with nonremovable side handles or nonremovable front handles.

● These switches require the addition of insulating interphase barriers plus full end-barriers (furnished by S&C or the purchaser) to attain the BIL rating shown. Such barriers should be 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent.

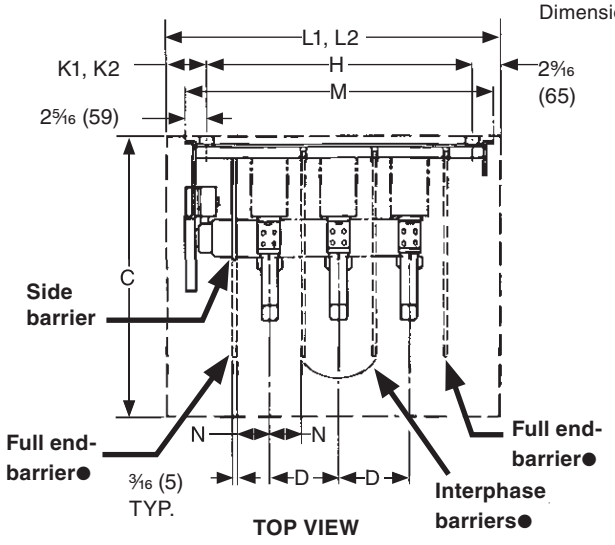
■ This switch may be applied without insulating interphase barriers and full end-barriers for service on systems rated 4.16 kV through 7.2 kV with a 75-kV BIL rating.

▲ For Mini-Rupter Switch catalog number 255282, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

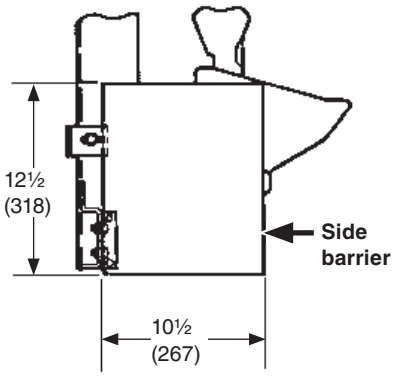
◆ These switches are UL recognized.

Back-Supported Frame, Main Contact at Bottom, Handle on Left, Manually Operated Style

Dimensions in inches (mm)

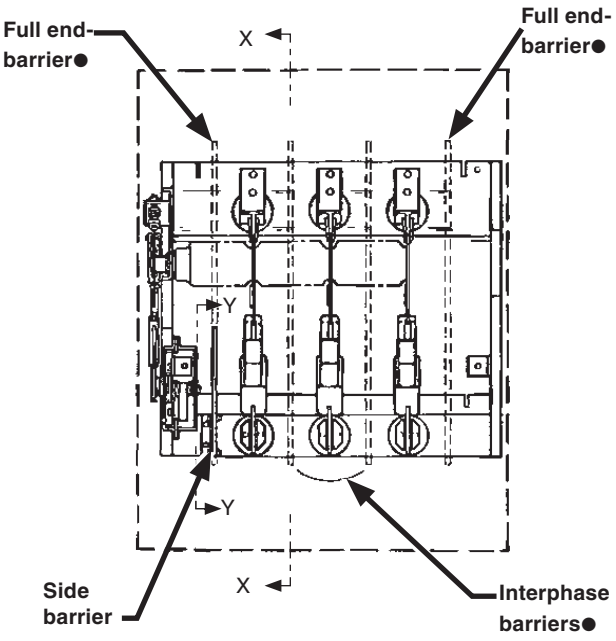


TOP VIEW

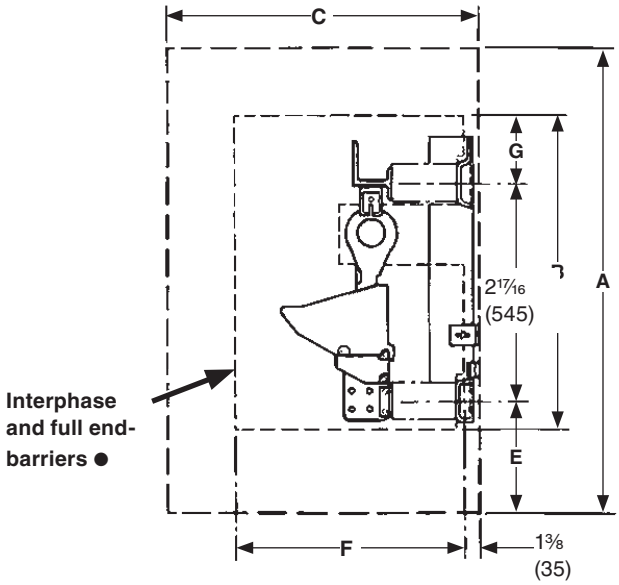


The side barrier, furnished by S&C for all switches except back-supported frame style rated 25 kV nominal, must be installed as shown if full end-barriers are not used.

SECTION Y-Y



FRONT VIEW



SECTION X-X

● For Mini-Rupter Switch catalog number 255582, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

NOTES

1. The enclosure and insulating-barrier dimensions listed in this document have been determined using the minimum clearances (shown in Note 4) recommended to maintain the inherent electrical ratings of S&C Mini-Rupter Switches when installed in metal enclosures. These clearances are sufficient provided normal consideration has been given to avoidance of point-gap configurations. When installing bus or cable connections and cable terminations, these clearances should be observed.
2. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "switch-over-fuse" configuration, recommended minimum fuse-component clearances may govern in determining the enclosure dimensions. (Minimum construction specifications for enclosures for S&C Types SM-4Z, SM-5S, SM-5SS, and SM-20 Power Fuses are given in S&C Information Bulletin 252-62.)
3. For enclosures where Mini-Rupter Switches are to be combined with S&C Power Fuses in a "fuse-over-switch" configuration, consult the nearest S&C Sales Office.
4. If the complete assembly consisting of the enclosure, switch, barriers, bus, connectors, terminators, etc., is not impulse-tested to verify it will fully meet its assigned BIL rating, the assembly should be checked to ensure the following minimum recommended clearances have been met or exceeded. Greater clearances may be required if corners, edges, or small-radius points exist.

Switch Rating, kV, BIL	Minimum Recommended Clearance, Inches (mm)		
	Metal-to-Metal① (phase-to-phase and phase-to-ground)	Energized Part-to-Barrier	Barrier-to-Ground (In vicinity of energized parts)
95 125	6 (152) 8½ (216)	1 (25) 2¼ (57)	1 (25) 2¼ (57)

① Where barriers are provided, metal-to-metal distances should be measured around the edge of the barrier.

5. The S&C Nonremovable Side Handle and Nonremovable Front Handle incorporate stops that limit switch-operating-shaft travel to 140 degrees. If the S&C Removable Side Handle is furnished, or if any handle is furnished by the purchaser, these stops or their equivalent must be provided by the purchaser.
6. If connectors greater than 1 inch (25 mm) "high" are to be used at bottom terminals, terminal-pad adapters (furnished by the purchaser) should be installed so the minimum recommended energized part-to-barrier clearance is not compromised.

System Rating, kV, Nom.	Switch Rating				Catalog Number①	Minimum Dimensions, Inches (mm)													
	kV			Amperes, Cont.		A	B	C	D②	E	F	G	H②	$K_1$③	$K_2$③	$L_1$③	$L_2$③	M②	N②
	Nom.	Max	BIL																
4.16 thru 16.5	14.4	17.0	95●■	600	255572◆	39 13/16 (1011)	30½ (775)	26 7/8 (683)	6 (152)	8 (203)	21 7/16 (545)	6½ (165)	23 5/8 (600)	3 13/16 (97)	7 11/16 (195)	30 (762)	33 7/8 (860)	28¼ (718)	2 7/8 (73)
12 thru 16.5	14.4	17.0	95▲	600	255582◆	39 13/16 (1011)	—	26 7/8 (683)	7½ (191)	8 (203)	—	—	28 3/8 (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38 5/8 (981)	33 (838)	3 5/8 (92)
16.5 thru 27.6	25	29	125●	600	255593	44 13/16 (1138)	35¾ (908)	30 5/8 (769)	7½ (191)	10½ (267)	22 11/16 (576)	8 3/8 (213)	28 3/8 (721)	3 13/16 (97)	7 11/16 (195)	34¾ (883)	38 5/8 (981)	33 (838)	3 5/8 (92)

① The catalog number of the switch supplied may be supplemented with the letter "R" followed by a digit. This indicates the most recent modification of construction details for that particular Mini-Rupter Switch.

② These dimensions are inherent to the switch and are thus invariable.

③ Dimensions K1 and L1 are applicable to switches furnished with removable side handles. Dimensions K2 and L2 are applicable to switches furnished with nonremovable side handles or nonremovable front handles.

● These switches require the addition of insulating interphase barriers plus full end-barriers (furnished by S&C or the purchaser) to attain the BIL rating shown. Such barriers should be 3⁄16-inch (5-mm) glass-reinforced polyester, NEMA grade GPO-3, or equivalent.

■ This switch may be applied without insulating interphase barriers and full end-barriers for service on systems rated 4.16 kV through 7.2 kV with a 75-kV BIL rating.

▲ For Mini-Rupter Switch catalog number 255282, insulating interphase barriers and full end-barriers are not required to achieve the BIL rating shown.

◆ These switches are UL recognized.