

Type K Heavy Duty Operators

Table 19.214: Non-Illuminated Momentary Push Button Operators

Description	Color	Operator with 1 N.O. and 1 N.C. Contact (KA1) [1]	Operator with 1 N.O. Contact (KA2) [1]	Operator with 1 N.C. Contact (KA3) [1]	Operator Only with No Contacts [1]
 9001KR1B	Black	KR1BH13	KR1BH5	KR1BH6	KR1B
	Red	KR1RH13	KR1RH5	KR1RH6	KR1R
	Green	KR1GH13	KR1GH5	KR1GH6	KR1G
	Universal [2]	KR1UH13	KR1UH5	KR1UH6	KR1U
	Other [3]	KR1H13	KR1H5	KR1H6	KR1
 9001KR3B	Black	KR3BH13	KR3BH5	KR3BH6	KR3B
	Red	KR3RH13	KR3RH5	KR3RH6	KR3R
	Green	KR3GH13	KR3GH5	KR3GH6	KR3G
	Universal [2]	KR3UH13	KR3UH5	KR3UH6	KR3U
	Other [3]	KR3H13	KR3H5	KR3H6	KR3
 9001KR2B	Black	KR2BH13	KR2BH5	KR2BH6	KR2B
	Red	KR2RH13	KR2RH5	KR2RH6	KR2R
	Green	KR2GH13	KR2GH5	KR2GH6	KR2G
	Universal [2]	KR2UH13	KR2UH5	KR2UH6	KR2U
	Other [3]	KR2H13	KR2H5	KR2H6	KR2
 9001KR4B	Snap-In Plastic Mushroom Button				
	Black	KR4BH13	KR4BH5	KR4BH6	KR4B
	Red	KR4RH13	KR4RH5	KR4RH6	KR4R
	Red [4]	KR4R05H13	KR4R05H5	KR4R05H6	KR4R05
	Green	KR4GH13	KR4GH5	KR4GH6	KR4G
	Other [3]	KR4H13	KR4H5	KR4H6	KR4
	Screw-On Mushroom Button with Set Screw Security, Plastic Head				
	Black	KR24BH13	KR24BH5	KR24BH6	KR24B
	Red	KR24RH13	KR24RH5	KR24RH6	KR24R
	Green	KR24GH13	KR24GH5	KR24GH6	KR24G
	Other [3]	KR24H13	KR24H5	KR24H6	KR24
 9001KR24BM	Screw-On Metal Mushroom Button with Set Screw Security				
	Black	—	—	—	9001KR24BM
	Red	—	—	—	9001KR24RM
	Green	—	—	—	9001KR24GM
 9001KR5B	Snap-In Plastic Mushroom Button				
	Black	KR5BH13	KR5BH5	KR5BH6	KR5B
	Red	KR5RH13	KR5RH5	KR5RH6	KR5R
	Red [4]	KR5R05H13 [4]	KR5R05H5 [4]	KR5R05H6 [4]	KR5R05 [4]
	Green	KR5GH13	KR5GH5	KR5GH6	KR5G
	Other [3]	KR5H13	KR5H5	KR5H6	KR5
	Screw-On Mushroom Button with Set Screw Security, Plastic Head				
	Black	KR25BH13	KR25BH5	KR25BH6	KR25B
	Red	KR25RH13	KR25RH5	KR25RH6	KR25R
	Green	KR25GH13	KR25GH5	KR25GH6	KR25G
	Other [3]	KR25H13	KR25H5	KR25H6	KR25
 9001KR25BM	Screw-On Metal Mushroom Button with Set Screw Security				
	Black	—	—	—	9001KR25BM
	Red	—	—	—	9001KR25RM
	Green	—	—	—	9001KR25GM

NOTE: To select contact blocks, light modules, and accessories, see Type KA Contact Blocks, page 19-90.

Table 19.215: Color Codes

Color	KR1, 2, 3 Place Color Code in Type Number	KR4, 5, 24, 25 Place Color Code in Type Number
Blue	L	L
Yellow	Y	Y
White	W	—
Orange	S	S
Gray	E	—

NOTE: For use in hazardous locations—See Square D Offering According to Class, Division, and Group, page 19-92. Contact blocks and legend plate not included unless otherwise noted.

[1] When ordering, add prefix 9001 to the catalog number.

[2] The universal push button operators contain one each of the following color inserts: black, red, green, yellow, orange, blue and white.

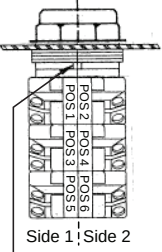
[3] ■ Choose color code from Table 19.217 Color Codes for Type K Operators, page 19-73.

[4] Knob has the words "Emergency Stop" in raised letters highlighted in white for readability.

Type K, SK, and KX Contact Block “H” Numbers

The design of Class 9001 Type KA contact blocks allows them to be mounted side by side and/or in tandem. This enables you to specify an operator and a specific arrangement of contact blocks (shipped fully assembled) with a single Type number.

Table 19.279: “H” Codes

	Suffix No. (Add to Operator Type)	Positions					
		1	2	3	4	5	6
Example: A Type KR1B push button with 2 Type KA1 contact blocks would be Class 9001 Type KR1BH2. 	H1	KA1					
	H2	KA1	KA1				
	H3	KA1	KA1	KA1			
	H4	KA1	KA1	KA1	KA1		
	H5	KA2					
	H6	KA2	KA2				
	H7	KA2	KA2	KA2			
	H8	KA2	KA2	KA2	KA2		
	H9	KA4	KA1				
	H10	KA4	KA5				
	H11	KA1	KA1		KA1		
	H12	KA2	KA3	KA2	KA3		
	H13		KA1				
	H14		KA3				
	H15	KA2	KA3	KA2			
	H16	KA2	KA3	KA2	KA3		
	H17	KA1	KA2				
	H18	KA3	KA1	KA2			
	H19	KA1	KA1	KA3		KA3	
	H21	KA2	KA3	KA1	KA1	KA1	
	H23	KA1	KA1	KA1	KA1	KA1	KA1
	H24	KA1	KA2				
	H25	KA5	KA3				

NOTE: For “H” Codes not in this table, contact your local Schneider Electric Customer Care Center.

Table 19.280: Dimensions When Using Contact Blocks

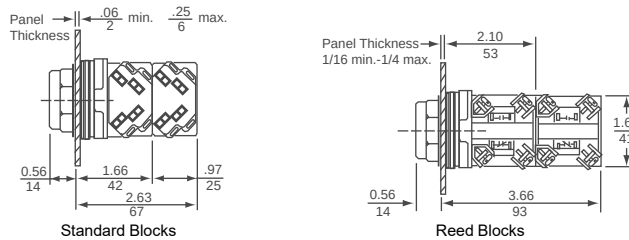
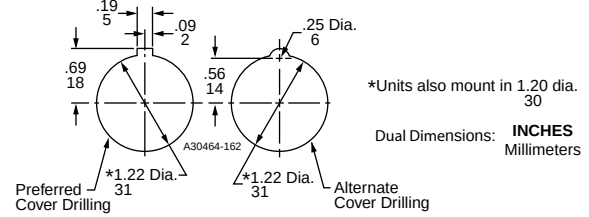


Table 19.281: Basic Operators (Without Color Caps, Mushroom Buttons, Knobs, Selector Switch Cams, Contact Blocks, Light Modules, or Legend Plates)

Description	For UL Types/NEMA	
	1, 3R, 4, 12, 13 [137]	4, 4X, 13 [137]
Non-Illuminated Push Button (Extended Guard)	KR2	SKR2
Non-Illuminated Push Button (No Guard)	KR3	SKR3
Non-Illuminated Push Button (Mushroom Button/Screw-On)	KR20	SKR20
Non-Illuminated Dual Push Button (Momentary)	KR6	—
Non-Illuminated Dual Push Button (Momentary Interlocked)	KR67	—
Non-Illuminated Dual Push Button (Maintained Interlocked)	KR7	—
Momentary Pull—Maintained Neutral—Momentary Push	KR8 [138] [139]	SKR8 [138]
Maintained Pull—Maintained Push	KR9 [138] [139]	SKR9 [138]
Illuminated Push Button (Full Guard—Plastic Top)	K1L [140]	SK1L [140]
Illuminated Push Button and Push-To-Test (No Guard)	K2L [140] [141]	SK2L [140] [141]
Illuminated Push Button (Full Guard—Metal Top)	K3L [140]	—
Standard Pilot Light	KP	SKP
3 Position Maintained Selector Switch	KS4 [138]	SKS4 [138]
3 Position Spring Return Both Sides To Center—Selector Switch	KS5 [138]	SKS5 [138]
3 Position Spring Return Left To Center—Selector Switch	KS6 [138]	SKS6 [138]
3 Position Spring Return Right To Center—Selector Switch	KS7 [138]	SKS7 [138]

Mounting Hole for All Types K, SK, and KX Control Units



Hole Punch: Use Greenlee Tool #60242 to punch mounting hole and notch.

Maximum Contact Block Usage (Includes Types K, SK and KX)

- **2 blocks mounted side by side only:** Any 2, 3 or 4 position **spring return** selector switch (non-illuminated, illuminated or keyed).
- **2 blocks mounted in tandem 1 side only:** Any 2 operator interlocked push button.
- **2 blocks mounted in tandem (total of four blocks):** Any selector push button, keyed push button, 2, 3, or 4 position **maintained** selector switch (non-illuminated, illuminated or keyed), push-pull operators (non-illuminated or illuminated), joy stick, dual push button.
- **3 blocks mounted in tandem (total of six blocks):** Single momentary push buttons (non-illuminated or illuminated).

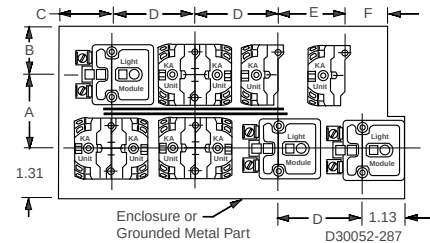


Table 19.282: Min. Centerline Spacing, Type K & SK Control Units

Legend Plate	Operator	Centerline Spacing (in.)					
		A	B	C	D	E	F
Legend Plate Orientation Position #1							
KN2 KN5	Standard Push Button	1.75	1.31	1.44	2.25	1.69	0.88
	1.375 in. Dia. Mushroom	1.75	1.31	1.44	2.25	1.69	0.88
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.44	2.25	2.25	1.12
KN3	Standard Push Button	2.00	1.31	1.44	2.25	1.75	0.88
	1.375 in. Dia. Mushroom	2.00	1.31	1.44	2.25	1.75	0.88
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.44	2.25	2.25	1.12
KN4	Standard Push Button	1.94	1.31	1.44	2.25	1.62	0.88
	1.375 in. Dia. Mushroom	1.94	1.31	1.44	2.25	1.62	0.88
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.44	2.25	2.25	1.12
KN6	Standard Push Button	2.38	1.62	1.44	2.25	2.25	1.12
	1.375 in. Dia. Mushroom	2.38	1.62	1.44	2.25	2.25	1.12
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.38	1.62	1.44	2.25	2.25	1.12
Legend Plate Orientation Position #2							
KN2 KN5	Standard Push Button	1.62	1.31	1.44	2.25	1.75	0.88
	1.375 in. Dia. Mushroom	1.62	1.31	1.44	2.25	1.75	0.88
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.44	2.25	2.25	1.12
KN3	Standard Push Button	1.75	1.31	1.44	2.25	2.00	0.88
	1.375 in. Dia. Mushroom	1.75	1.31	1.44	2.25	2.00	0.88
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.44	2.25	2.25	1.12
KN4	Standard Push Button	1.62	1.31	1.44	2.25	1.94	1.00
	1.375 in. Dia. Mushroom	1.62	1.31	1.44	2.25	1.94	1.00
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.44	2.25	2.25	1.12
KN6	Standard Push Button	2.25	1.31	1.62	2.38	2.38	0.88
	1.375 in. Dia. Mushroom	2.25	1.31	1.62	2.38	2.38	0.88
	2.25 in. Dia. Mushroom Selector Switch Knobs	2.25	1.31	1.62	2.38	2.38	1.12

[137] When ordering, add prefix 9001 to the catalog number.

[138] Operator can be converted to an illuminated operator by removing the liner (6512240601) and adding a light module.

[139] These operators can be supplied with 1-3/8 in. or 2-1/4 in. dia. mushroom buttons. For 1-3/8 in.: add () 20 to type number. For 2-1/4 in.: Add () 21 to type number. The () refers to the color chosen—see **Additional Accessories for Type K and SK Operators**, page 19-99. Voids UL and NEMA 6 Rating.

[140] Operator can be converted to a non-illuminated operator by adding liner (6512240601).

[141] Operator includes jumper wires for push-to-test conversion.