

Push Button Units and Indicator Lights

Class 51 Pilot Devices

• Revised •

03/01/14

Hazardous location

Features

- UL Listed and cUL Listed for Class I, Groups C & D and Class II, Groups E, F & G
- Short or Long Bushing Lengths
- Mount into 3/4-14 NPSM Threaded Hole
- Sealing Lock Nut
- Similar in Appearance to Class 52 Oil Tight Pilot Devices
- Double Break Bifurcated Contacts Rated AC NEMA A600, DC NEMA P600
- Ⓢ Positively Driven Contacts
- Touchsafe Terminals
- UL Listed File # E39935

Application

When properly installed in a Type 7 & 9 enclosure, these components meet the National Electrical Code's requirements for Class I, Division 1 & 2, Groups C and D hazardous gases, Class II, Division 1, Groups E, F and G hazardous dust, and Class III, hazardous fibers and flyings. Class 51 pilot devices may be used in a location where the presence of flammable gases, vapors or finely pulverized dusts in the atmosphere are sufficient to create a threat of explosion or fire. They may also be required where easily ignitable fibers or flyings are present. Short bushing units are used in most standard Type 7 & 9 enclosures. Long bushings are used when an additional front panel is required or in enclosures up to 2 V8 inches thick. Class 51 devices also meet Type 4 applications.

Rugged

Hazardous location control units are durable one piece castings of a corrosion resistant copper free aluminum alloy with stainless steel springs and type 316 stainless steel shafts to provide a long dependable life. The "O" ring ensures the longest seal life available. Contact blocks have double break bifurcated contacts for increased reliability.

Flexible

Control units mount into industry standard 3/4-14 NPSM threaded holes. Both short bushings for enclosure mounting and long bushings for panel mounting are available.

Pilot light bulbs are removable from the front for ease of maintenance. Many common parts between the Class 51 hazardous location pilot devices and the Class 52 oil tight pilot devices allow for increased serviceability with fewer parts.

Industrial Appearance

Hazardous location control units add luster to panels. They are uniform in appearance and match 52 Class oil tight pilot devices.

Typical Applications

Class I

Class II

Class III

Electrical Ratings

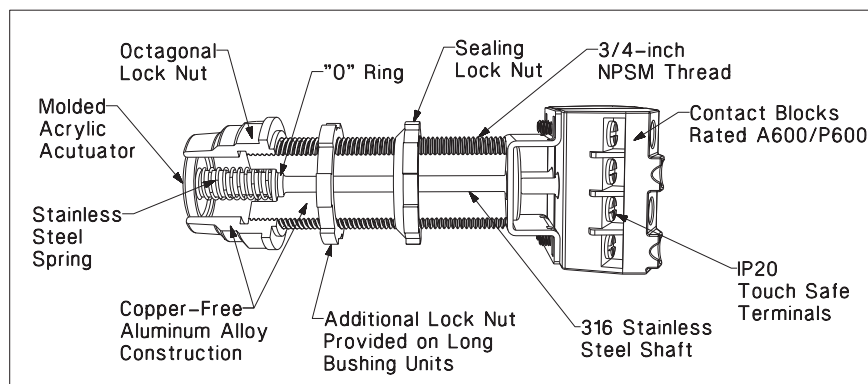
NEMA AC Ratings 50/60Hz

Nema A600 10 Continuous Amps

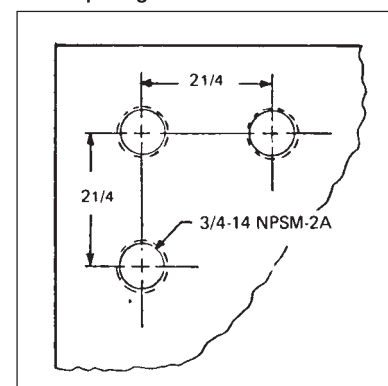
Volts	Make	Break
120	60	6
240	30	3
480	15	1.5
600	12	1.2
VA	7200	720

Ordering Information

- Accessories [see page 17-428-17-429](#).
- Selector Operating Position and Contact Operation [page 17-426](#).
- Legend Plates [see page 17-465](#).
- Enclosures [see page 17-427](#).
- Technical Specifications: [page 17-467](#).



Panel Spacing



Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Operators only

Pilot Devices

17
CONTROL
PRODUCTS

Selection and ordering data

	Version	Color of operator	Contacts	Short bushing Order No.	Long bushing Order No.	Pack Unit
 Pushbutton with flat cap	Pushbutton with flush cap	Black		51PA8A1	51PA8A1LB	1
		Red		51PA8A2	51PA8A2LB	1
		Green		51PA8A3	51PA8A3LB	1
 Pushbutton with extended cap	Pushbutton with extended cap	Black		51PA8B1	51PA8B1LB	1
		Red		51PA8B2	51PA8B2LB	1
		Green		51PA8B3	51PA8B3LB	1
 Dual pushbutton	Dual Pushbutton	Flush Black		51PD8A1B2	51PD8A1B2LB	1
		Raised Red				
	Pushbutton with mushroom cap 1 5/8" (41.3mm)	Black		51PA9D1	51PA9D1LB	1
		Red		51PA9D2	51PA9D2LB	1
		Green		51PA9D3	51PA9D3LB	1
	Pushbutton with mushroom cap 2 1/2" (63.5mm)	Black		51PA9E1	51PA9E1LB	1
		Red		51PA9E2	51PA9E2LB	1
		Green		51PA9E3	51PA9E3LB	1
	Pushbutton with mushroom cap 2 1/2" (63.5mm)	Less head		51PA9	51PA9LB	1
 2 position push-pull	2 Position Push Pull Maintained, Non Illuminated Small Plastic Mushroom Head, 1 5/8" (41.3 mm)	Black		51PA2D1	51PA2D1LB	1
		Red		51PA2D2	51PA2D2LB	1
		Green		51PA2D3	51PA2D3LB	1
	Large Plastic Mushroom Head, 2 1/4" (57.2 mm)	Black		51PA2E1	51PA2E1LB	1
		Red		51PA2E2	51PA2E2LB	1
		Green		51PA2E3	51PA2E3LB	1
	Large Plastic Mushroom Head, 2 1/4" (57.2 mm)	Less head		51PA2	51PA2LB	1
	2 Position Push Pull Maintained, Non Illuminated Small Mushroom Head, 1 5/8" (41.3mm)	Black	1NC + 1NO	51PA2D1A	51PA2D1LBA	1
		Red	1NC + 1NO	51PA2D2A	51PA2D2LBA	1
		Green	1NC + 1NO	51PA2D3A	51PA2D3LBA	1
	Large Mushroom Head, 2 1/2" (63.5mm)	Black	1NC + 1NO	51PA2E1A	51PA2E1LBA	1
		Red	1NC + 1NO	51PA2E2A	51PA2E2LBA	1
		Green	1NC + 1NO	51PA2E3A	51PA2E3LBA	1
 3 position push-pull	3 Position Push Pull Momentary, Non Illuminated Small Mushroom Head, 1 5/8" (41.3mm)	Black	1NC + 1NO	51PA3A1U	51PA3A1ULB	1
		Red	1NC + 1NO	51PA3A2U	51PA3A2ULB	1
		Green	1NC + 1NO	51PA3A3U	51PA3A3ULB	1

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

• Revised •

03/01/14

Indicator light

Selection and ordering data

	Version	Color of operator	Contacts	Short bushing Order No.	Long bushing Order No.	Pack
						Unit
 Indicator light- full voltage	Indicator light with glass lens - Full voltage type AC/DC (with 6" pigtail leads) ^{1) 3)} Operators with Incandescent Lamp 6-8V with 755 type	Red Green Amber Less lens		51PC5B2 51PC5B3 51PC5B9 51PC5BN	51PC5B2LB 51PC5B3LB 51PC5B9LB 51PC5BNLB	1
	12V with 756 type	Red Green Amber Less lens		51PC5C2 51PC5C3 51PC5C9 51PC5CN	51PC5C2LB 51PC5C3LB 51PC5C9LB 51PC5CNLB	1
	24V with 757 type	Red Green Amber Less lens		51PC5D2 51PC5D3 51PC5D9 51PC5DN	51PC5D2LB 51PC5D3LB 51PC5D9LB 51PC5DNLB	1
	Operators with LED Lamp ²⁾ 6-8V with BA9 type LED	Red Green Amber		51PE5B2 51PE5B3 51PE5B9	51PE5B2LB 51PE5B3LB 51PE5B9LB	1
	24V with BA9 type LED	Red Green Amber		51PE5D2 51PE5D3 51PE5D9	51PE5D2LB 51PE5D3LB 51PE5D9LB	1
 Indicator light- transformer type	Indicator light with glass lens - Transformer type AC/DC ^{1) 3)} Operators with Incandescent Lamp 120V with 6V 755 type lamp	Red Green Amber Less lens		51PC5G2 51PC5G3 51PC5G9 51PC5GN	51PC5G2LB 51PC5G3LB 51PC5G9LB 51PC5GNLB	1
	240V with 6V 755 type lamp	Red Green Amber Less lens		51PC5H2 51PC5H3 51PC5H9 51PC5HN	51PC5H2LB 51PC5H3LB 51PC5H9LB 51PC5HNLB	1
	480V with 6V 755 type lamp	Red Green Amber Less lens		51PC5J2 51PC5J3 51PC5J9 51PC5JN	51PC5J2LB 51PC5J3LB 51PC5J9LB 51PC5JNLB	1
	600V with 6V 755 type lamp	Red Green Amber Less lens		51PC5K2 51PC5K3 51PC5K9 51PC5KN	51PC5K2LB 51PC5K3LB 51PC5K9LB 51PC5KNLB	1
	Operators with LED Lamp ²⁾ 120V with 6V BA9 type LED	Red Green Amber Less lens		51PE5G2 51PE5G3 51PE5G9 —	51PE5G2LB 51PE5G3LB 51PE5G9LB —	1
	240V with 6V BA9 type LED	Red Green Amber Less lens		51PE5H2 51PE5H3 51PE5H9 —	51PE5H2LB 51PE5H3LB 51PE5H9LB —	1
	480V with 6V BA9 type LED	Red Green Amber Less lens		51PE5J2 51PE5J3 51PE5J9 —	51PE5J3LB 51PE5J3LB 51PE5J9LB —	1
	600V with 6V BA9 type LED	Red Green Amber Less lens		51PE5K2 51PE5K3 51PE5K9 —	51PE5K2LB 51PE5K3LB 51PE5K9LB —	1
	Indicator light with glass lens - Resistor type AC/DC* 120V with 24V 757 type lamp	Red Green Amber Less lens		51PC5M2 51PC5M3 51PC5M9 51PC5MN	51PC5M2LB 51PC5M3LB 51PC5M9LB 51PC5MNLB	1
	120V with 24V BA9 type LED lamp ²⁾	Red Green Amber		51PE5M2 51PE5M3 51PE5M9	51PE5M2LB 51PE5M3LB 51PE5M9LB	1

1) For other colors not listed, order operator less lens and separate lens from page 10/127.

2) LED color must match lens color.

3) All illuminated devices come with std. Touch-safe shield per UL stds.

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Push to test complete units

Selection and ordering data

	Version	Color of operator	Contacts	Short bushing Order No.	Long bushing Order No.	Pack
						Unit
Push to test full voltage 	Push to test/Illuminated pushbutton with glass lens - Full voltage type AC/DC ^{1) 3)} Operators with Incandescent Lamp 6V with 755 type lamp	Red	1NO + 1NC	51PC6B2A	51PC6B2ALB	1
		Green	1NO + 1NC	51PC6B3A	51PC6B3ALB	1
		Amber	1NO + 1NC	51PC6B9A	51PC6B9ALB	1
		Less lens	1NO + 1NC	51PC6BNA	51PC6BNALB	1
	24V with 757 type lamp	Red	1NO + 1NC	51PC6D2A	51PC6D2ALB	1
		Amber	1NO + 1NC	51PC6D3A	51PC6D3ALB	1
		Green	1NO + 1NC	51PC6D9A	51PC6D9ALB	1
		Less lens	1NO + 1NC	51PC6DNA	51PC6DNALB	1
	Operators with LED Lamp ²⁾ 6-8V with BA9 type LED	Red	1NO + 1NC	51PE6B2A	51PE6B2ALB	1
		Green	1NO + 1NC	51PE6B3A	51PE6B3ALB	1
		Amber	1NO + 1NC	51PE6B9A	51PE6B9ALB	1
	24V with BA9 type LED	Red	1NO + 1NC	51PE6D2A	51PE6D2ALB	1
		Green	1NO + 1NC	51PE6D3A	51PE6D3ALB	1
		Amber	1NO + 1NC	51PE6D9A	51PE6D9ALB	1
Push to test transformer type 	Push to test/Illuminated pushbutton with glass lens - Transformer type (50/60 Hz) ^{1) 3)} Operators with Incandescent Lamp 120V with 6V 755 type lamp	Red	1NO + 1NC	51PC6G2A	51PC6G2ALB	1
		Green	1NO + 1NC	51PC6G3A	51PC6G3ALB	1
		Amber	1NO + 1NC	51PC6G9A	51PC6G9ALB	1
		Less lens	1NO + 1NC	51PC6GNA	51PC6GNALB	1
	240V with 6V 755 type lamp	Red	1NO + 1NC	51PC6H2A	51PC6H2ALB	1
		Green	1NO + 1NC	51PC6H3A	51PC6H3ALB	1
		Amber	1NO + 1NC	51PC6H9A	51PC6H9ALB	1
		Less lens	1NO + 1NC	51PC6HNA	51PC6HNALB	1
	480V with 6V 755 type lamp	Red	1NO + 1NC	51PC6J2A	51PC6J2ALB	1
		Green	1NO + 1NC	51PC6J3A	51PC6J3ALB	1
		Amber	1NO + 1NC	51PC6J9A	51PC6J9ALB	1
		Less lens	1NO + 1NC	51PC6JNA	51PC6JNALB	1
	600V with 6V 755 type lamp	Red	1NO + 1NC	51PC6K2A	51PC6K2ALB	1
		Green	1NO + 1NC	51PC6K3A	51PC6K3ALB	1
		Amber	1NO + 1NC	51PC6K9A	51PC6K9ALB	1
		Less lens	1NO + 1NC	51PC6KNA	51PC6KNALB	1
	Operators with LED Lamp ²⁾ 120V with 6V BA9 type LED	Red	1NO + 1NC	51PE6G2A	51PE6G2ALB	1
		Green	1NO + 1NC	51PE6G3A	51PE6G3ALB	1
		Amber	1NO + 1NC	51PE6G9A	51PE6G9ALB	1
	240V with 6V BA9 type LED	Red	1NO + 1NC	51PE6H2A	51PE6H2ALB	1
		Green	1NO + 1NC	51PE6H3A	51PE6H3ALB	1
		Amber	1NO + 1NC	51PE6H9A	51PE6H9ALB	1
	480V with 6V BA9 type LED	Red	1NO + 1NC	51PE6J2A	51PE6J2ALB	1
		Green	1NO + 1NC	51PE6J3A	51PE6J3ALB	1
		Amber	1NO + 1NC	51PE6J9A	51PE6J9ALB	1
	600V with 6V BA9 type LED	Red	1NO + 1NC	51PE6K2A	51PE6K2ALB	1
		Green	1NO + 1NC	51PE6K3A	51PE6K3ALB	1
		Amber	1NO + 1NC	51PE6K9A	51PE6K9ALB	1

Overload reset operators with reset legend plate

	Version	Color	Legend Inscription	Order No.
	Single unit 7/8" diameter reset pad, 10" shaft can be cut to length.	Red	Reset	51AAS
	Multi unit For use with multi push operation requirements.	Red	Reset	51AAM

1) For other colors not listed, order operator less lens and separate lens from page 10/127.

2) LED color must match lens color.

3) All illuminated devices come with std. Touch-safe shield per UL stds.

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

• Revised •

03/01/14

Selector switch operators

Selection and ordering data

Version	Lever type	Color of insert	Cam Code 1) 2)	Short bushing Order No.	Long bushing Order No.	Pack Unit
Selector switches with 2 switching positions Maintained operation	Short lever, non-Illuminated	White	A	51SA2AA	51SA2AALB	1
	Long lever, non-Illuminated	White	A	51SB2AA	51SB2AALB	
Spring return from right operation	Short lever, non-Illuminated	White	A	51SA2AC	51SA2ACLB	1
	Long lever, non-Illuminated	White	A	51SB2AC	51SB2ACLB	
Selector switches with 3 switching positions Maintained operation	Short lever, non-Illuminated	White	B	51SA2BA	51SA2BALB	1
	Long lever, non-Illuminated	White	B	51SB2BA	51SB2BALB	
	Short lever, non-Illuminated	White	C	51SA2CA	51SA2CALB	
	Long lever, non-Illuminated	White	C	51SB2CA	51SB2CALB	
	Short lever, non-Illuminated	White	D	51SA2DA	51SA2DALB	
	Long lever, non-Illuminated	White	D	51SB2DA	51SB2DALB	
	Short lever, non-Illuminated	White	E	51SA2EA	51SA2EALB	
	Long lever, non-Illuminated	White	E	51SB2EA	51SB2EALB	
	Short lever, non-Illuminated	White	G	51SA2GA	51SA2GALB	
	Long lever, non-Illuminated	White	G	51SB2GA	51SB2GALB	
Spring return from right operation	Short lever, non-Illuminated	White	B	51SA2BC	51SA2BCLB	1
	Long lever, non-Illuminated	White	B	51SB2BC	51SB2BCLB	
	Short lever, non-Illuminated	White	C	51SA2CC	51SA2CCLB	
	Long lever, non-Illuminated	White	C	51SB2CC	51SB2CCLB	
	Short lever, non-Illuminated	White	D	51SA2DC	51SA2DCLB	
	Long lever, non-Illuminated	White	D	51SB2DC	51SB2DCLB	
	Short lever, non-Illuminated	White	E	51SA2EC	51SA2ECLB	
	Long lever, non-Illuminated	White	E	51SB2EC	51SB2ECLB	
	Short lever, non-Illuminated	White	G	51SA2GC	51SA2GCLB	
	Long lever, non-Illuminated	White	G	51SB2GC	51SB2GCLB	
Spring return from left operation	Short lever, non-Illuminated	White	B	51SA2BB	51SA2BBLB	1
	Long lever, non-Illuminated	White	B	51SB2BB	51SB2BBLB	
	Short lever, non-Illuminated	White	C	51SA2CB	51SA2CBLB	
	Long lever, non-Illuminated	White	C	51SB2CB	51SB2CBLB	
	Short lever, non-Illuminated	White	D	51SA2DB	51SA2DBLB	
	Long lever, non-Illuminated	White	D	51SB2DB	51SB2DBLB	
	Short lever, non-Illuminated	White	E	51SA2EB	51SA2EBLB	
	Long lever, non-Illuminated	White	E	51SB2EB	51SB2EBLB	
	Short lever, non-Illuminated	White	G	51SA2GB	51SA2GBLB	
	Long lever, non-Illuminated	White	G	51SB2GB	51SB2GBLB	
Spring return from left and right operation	Short lever, non-Illuminated	White	B	51SA2BD	51SA2BDLB	1
	Long lever, non-Illuminated	White	B	51SB2BD	51SB2BDLB	
	Short lever, non-Illuminated	White	C	51SA2CD	51SA2CDLB	
	Long lever, non-Illuminated	White	C	51SB2CD	51SB2CDLB	
	Short lever, non-Illuminated	White	D	51SA2DD	51SA2DDLB	
	Long lever, non-Illuminated	White	D	51SB2DD	51SB2DDLB	
	Short lever, non-Illuminated	White	E	51SA2ED	51SA2EDLB	
	Long lever, non-Illuminated	White	E	51SB2ED	51SB2EDLB	
	Short lever, non-Illuminated	White	G	51SA2GD	51SA2GDLB	
	Long lever, non-Illuminated	White	G	51SB2GD	51SB2GDLB	

1)C CAM limited to 4 single or double pole blocks on spring return operators.

2)For contact operation, see CAM selection chart on [page 17-426](#).

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

• Revised •

03/01/14

Selector switch operators

Selection and ordering data



Version	Key removal position	Lock number	CAM Code 1) 2)	Short bushing Order No.	Long bushing Order No.	Pack Unit
Key-operated selector switches with 2 switching positions	Both	550CH	A	51SA6AE	51SA6AELB	1
	Left	550CH	A	51SA6AF	51SA6AFLB	
Maintained operation						
Spring return from right operation	Left	550CH	A	51SA6AC	51SA6ACLB	1
Key-operated selector switches with 3 switching positions	All	550CH	B	51SA6BE	51SA6BELB	1
			C	51SA6CE	51SA6CELB	
D			51SA6DE	51SA6DELB		
E			51SA6EE	51SA6EELB		
G			51SA6GE	51SA6GELB		
Maintained operation	Left	550CH	B	51SA6BF	51SA6BFLB	1
			C	51SA6CF	51SA6CFLB	
			D	51SA6DF	51SA6DFLB	
			E	51SA6EF	51SA6EFLB	
			G	51SA6GF	51SA6GFLB	
	Right	550CH	B	51SA6BG	51SA6BGLB	1
			C	51SA6CG	51SA6CGLB	
			D	51SA6DG	51SA6DGLB	
			E	51SA6EG	51SA6EGLB	
			G	51SA6GG	51SA6GGLB	
Center	550CH	B	51SA6BH	51SA6BHLB	1	
		C	51SA6CH	51SA6CHLB		
		D	51SA6DH	51SA6DHLB		
		E	51SA6EH	51SA6EHLB		
		G	51SA6GH	51SA6GHLB		
Left and Center	550CH	B	51SA6BK	51SA6BKLb	1	
		C	51SA6CK	51SA6CKLB		
		D	51SA6DK	51SA6DKLB		
		E	51SA6EK	51SA6EKLb		
		G	51SA6GK	51SA6GKLb		
Spring return from right operation	Center	550CH	B	51SA6BU	51SA6BULb	1
			C	51SA6CU	51SA6CULb	
			D	51SA6DU	51SA6DULb	
			E	51SA6EU	51SA6EULb	
			G	51SA6GU	51SA6GULb	
Spring return from left operation	Center	550CH	B	51SA6BT	51SA6BTLb	1
			C	51SA6CT	51SA6CTLb	
			D	51SA6DT	51SA6DTLb	
			E	51SA6ET	51SA6ETLb	
			G	51SA6GT	51SA6GTLb	
Spring return from left and right operation	Center	550CH	B	51SA6BV	51SA6BVLb	1
			C	51SA6CV	51SA6CVLb	
			D	51SA6DV	51SA6DVLb	
			E	51SA6EV	51SA6EVLb	
			G	51SA6GV	51SA6GVLb	
To order 1 to 25 special locks for keyed selector switches simply replace the 6 in the 5th digit of the catalog number				E	51SA6EV	51SA6EVLb
				G	51SA6GV	51SA6GVLb

To order 1 to 25 special locks for keyed selector switches simply replace the 6 in the 5th digit of the catalog number with a 5 when entering your order. (Ordering Example: 52SC6AE is changed to 52SC5AE and all locks - up to

5

5

To order special locks for keyed selector switches, append corresponding 'X' suffix to part number

Ordering example:
51SA6AEX298

#549CH	X639		1
#548CH	X640		1
#547CH	X641		1
#501CH	X642		1
#506CH	X643		1

1)C CAM limited to 4 single or double pole blocks on spring return operators.

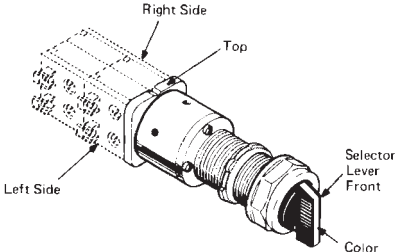
2)For contact operation, see CAM selection chart on [page 17-426](#).

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Cam selection

Selection and ordering data

Design	Ordering Information
	- Contact blocks are ordered separately, see page 17-429. - Determine which table to use based upon the type of selector (non-illuminated & keyed on top, illuminated on bottom). - Find the correct number of selector positions (2, 3 or 4 positions). - Select the contact operation required for each selector position. X indicates the contacts are closed, while O indicates the contacts are open. (For the selector pushbutton, N=normal and D=depressed). Contact block must be assembled in position shown for each circuit application. - Identify the CAM letter required for the chosen contact operation (only 1 CAM can be used per selector switch or selector pushbutton). - Contact blocks must be assembled in the position shown for each circuit application. The mounting position is viewed from the front of the device. Ordering CAMs D, E or G - CAM D, E or G may be ordered at the same price by changing the 6th character of the selector catalog number. Example: Selector with D cam 51SA2DA. Size Requirements - C CAM on spring return selectors is limited to 4 contact blocks. Standard push buttons accept 4 contact blocks on each side, for a maximum of 8 contact blocks. - Selector operators in enclosures are limited to depth of 1 contact block. (2 blocks wide).

Non-illuminated and keyed selector switches (viewed from front)

2 Selector Positions			Contact Blocks	CAM	Mounting	
Left		Right			Left	Right
X		O	52BAJ (NC)	A	L	or R
O		X	52BAK (NO)	A	L	or R
3 Selector Positions			Contact Blocks	CAM	Mounting	
Left	Center	Right			Left	Right
X	O	O	52BAK (NO)	B		R
O	O	X	52BAK (NO)	B	L	
X	X	O	52BAJ (NC)	B	L	
O	X	X	52BAJ (NC)	B	R	
O	O	X	52BAK (NO)	C	L	or R
X	O	O	52BAJ (NC)	C	L	or R
O	O	X	52BAK (NO)	D	L	or R
O	X	O	52BAJ (NC)	D	L	or R
X	O	O	52BAK (NO)	E	L	or R
O	X	O	52BAJ (NC)	E	L	or R
X	O	O	52BAJ (NC)	G	L	
O	X	O	52BAJ (NC)	G		R
O	O	X	52BAK (NO)	G	L	or R

Illuminated selector switches

2 Selector Positions			Contact Blocks	CAM	Mounting	
Left		Right			Left	Right
X		O	52BAJ (NC)	A	L	
O		X	52BAK (NO)	A	L	

1) Wired in parallel.

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Control stations

Selection and ordering data

	Operator Identification ¹⁾	Degree of operator	Contacts/voltage	Number of command points	Order No.	Pack
						Unit
	A = Momentary flush pushbutton black, label "START"	NEMA 7/9	1NO - 1NC	1	51C101H	1
	A = Momentary raised pushbutton red, label "STOP"	NEMA 7/9	1NO - 1NC	1	51C103H	1
	A = Momentary 1 5/8" mushroom head red label "STOP"	NEMA 7/9	1NO - 1NC	1	51C104H	1
	A = Momentary dual pushbutton red label "START, STOP"	NEMA 7/9	1NO - 1NC	1	51C105H	1
	A = 2 position selector switch label "Off-On"	NEMA 7/9	1NO - 1NC	1	51C159H	1
	A = 3 position selector switch label "HAND-OFF-AUTO"	NEMA 7/9	1NO - 1NC	1	51C156H	1
	A = Indicator light, green, 120 V	NEMA 7/9		1	51C131H	1
	A = Indicator light, red, 120 V	NEMA 7/9		1	51C135H	1
	B = Momentary flush pushbutton black, label "START"	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C201H	1
	A = Momentary raised pushbutton red, label "STOP"					
	B = Momentary flush pushbutton black, label "FORWARD"	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C204H	1
	A = Momentary flush pushbutton red, label "REV"					
	B = Momentary flush pushbutton black, label "START"	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C202H	1
	A = Momentary 1 5/8" mushroom head pushbutton red, label "STOP"					
	B = Indicator light, red, 120 V	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C230H	1
	A = Indicator light, green, 120 V					
	C = Momentary flush pushbutton black, label "FORWARD"	NEMA 7/9	1NO - 1NC 1NO - 1NC 1NO - 1NC	3	51C301H	1
	B = Momentary flush pushbutton black, label "REVERSE"					
	A = Momentary raised pushbutton red, label "STOP"					
	C = Momentary flush pushbutton black, label "OPEN"	NEMA 7/9	1NO - 1NC 1NO - 1NC 1NO - 1NC	3	51C303H	1
	B = Momentary flush pushbutton black, label "CLOSE"					
	A = Momentary raised pushbutton red, label "STOP"					
	C = Indicator light, green, 120 V	NEMA 7/9	1NO - 1NC 1NO - 1NC	3	51C307H	1
	B = Momentary flush pushbutton black, label "START"					
	A = Momentary raised pushbutton red, label "STOP"					
Enclosures only²⁾						
	For field assembly of Type 7 & 9 UL listed and cUL listed control stations. Devices may be installed for either horizontal or vertical mounting using a standard legend. Limited to depth of 1 contact block.			1	51EA1H	1
				2	51EA2H	1
				3	51EA3H	1

1) All enclosures come standard with one conduit entry on top.
To get two conduit entries, append X-311 to the end of the order number.

2) For legend plates see page 17-465.

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Accessories and spare parts

Selection and ordering data

Version	Suitable for	Conduit size (in.)	Color	Order No.	Pack Unit
	For small 1 5/8" (41.3mm) type, non-illuminated mushroom push-buttons		Black	52RB3D1	1
			Red	52RB3D2	
			Green	52RB3D3	
			Yellow	52RB3D4	
			Blue	52RB3D5	
			Gray	52RB3D6	
			Orange	52RB3D8	
			1 kit of each	52RB3DN	
	For large 2 1/2" (63.5mm) type, non-illuminated mushroom push-buttons		Black	52RB3E1	1
			Red	52RB3E2	
			Green	52RB3E3	
			Yellow	52RB3E4	
			Blue	52RB3E5	
			Gray	52RB3E6	
			Orange	52RB3E8	
			1 kit of each	52RB3EN	
	Replacement lens for pilot lights	Glass lens	Red	51RC4G2	1
			Green	51RC4G3	
			Blue	51RC4G5	
			Amber	51RC4G9	
			Clear	51RC4GA	
	Replacement lens for push to test/illuminated pushbuttons	Glass lens	Red	51RC5G2	1
			Green	51RC5G3	
			Amber	51RC5G9	
	Guards Prevents accidental operation	Non-illuminated Pushbuttons & Push Pull Operators with Mushroom Head Caps 1 5/8" to 1 3/4" in diameter.	Chrome	51AAGM	1
	Lever inserts Short lever		Red	52RA2A2	1
			Green	52RA2A3	
			Blue	52RA2A4	
			Amber	52RA2A5	
			Gray	52RA2A6	
			Orange	52RA2A8	
			White	52RA2AB	
	Long lever		Red	52RA2B2	1
			Green	52RA2B3	
			Blue	52RA2B4	
	Padlock attachment	Only for raised pushbutton operators		51AAL	1
	Breather/drain (Stainless Steel)	Installs in bottom as a drain or in the top as a breather. Suitable for Class 1 groups C & D and for Class 2 groups F & G applications only. Fits 1/2" NPT.		51AADB	1
	Lock nut wrench	All devices		52MAWB	1
	Spare keys	550CH (1 key)		52KEY-550CH	1

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Accessories and spare parts

• Revised •

03/01/14

Selection and ordering data

	Version	Suitable for	Conduit size (in.)	Color	Order No.	Pack Unit
	Reducer bushings	Cast aluminum, UL recognized and CSA certified. Used to reduce existing tapered NPT conduit opening when required.	3/4 - 1/2		51AARBA	1
			1 - 1/2		51AARCA	
			1 1/2 - 3/4		51AARDB	
			1 1/2 - 1		51AARDC	
			2 1/2- 3/4		51AARFB	
			2 1/2 - 1		51AARFC	
			2 1/2 - 1 1/2		51AARFD	
			2 1/2 - 2		51AARFE	
			3 - 1		51AARGC	
			3 - 1 1/2		51AARGD	
			3 - 2		51AARGE	
			3 - 2 1/2		51AARGF	
	Lamps with screw connection, miniature bayonet incandescent lamps					
	Flashing, type 267 lamp (replaces 755 lamp)	51, 52	6V		52AABNF	1
	6V Full voltage, transformer type 755 lamp	51, 52	6V		52AABN	1
	12V full voltage, type 756	51, 52	12V		52AACN	1
	24V full voltage, 120/240V resistor push-to-test type 757	51, 52	24V		52AADN	1
	Neon (uses resistors) type B2A (NE-51H)	51, 52	120V		52AAPN	1
	120V, full voltage type 3S6/5	51, 52	120V		52AAENC	1
	LEDs, Single element	51, 52	6V	Red	52AEB2	1
		51, 52	6V	Green	52AEB3	
		51, 52	6V	Yellow	52AEB4	
		51, 52	6V	White	52AEBB	
		51, 52	6V	Blue	52AEB5	
		51, 52	24V	Red	52AED2	
		51, 52	24V	Green	52AED3	
		51, 52	24V	Yellow	52AED4	
		51, 52	24V	White	52AEDB	
		51, 52	24V	Blue	52AED5	
		51, 52	120V	Red	52AEE2	
		51, 52	120V	Green	52AEE3	
		51, 52	120V	Yellow	52AEE4	
		51, 52	120V	White	52AEEB	
51, 52		120V	Blue	52AEE5		

Pilot Devices

17 CONTROL PRODUCTS

Push Button Units and Indicator Lights

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Accessories and spare parts

Selection and ordering data

	Version	Suitable for	Conduit size (in.)	Color	Order No.	Pack Unit
 52BAJ  52BAK  52BAR	Touchsafe contact blocks with gold flashing					
	1 NO				52BAK	1
	1 NC				52BAJ ²⁾	
	1 NO - 1 NC				52BJK ²⁾	
	1 NO early make	closes before 52BAK			52BAH	
	1 NC late break	opens after 52BAJ			52BAE	
	1 NO - 1 NC	Reed switch			52BAR ¹⁾	
		UL listed for class 1 division 2				
		.25A Max, 200V AC, 10 Watt max				
		.5A Max, 200V DC, 10 Watt max				
	1 NC extra late break				52BAU	

① Hermetically sealed.

② → Positive opening according to IEC 60947-5-1, Appendix K.