

# PUSHBUTTON UNITS & INDICATOR LIGHTS

## CLASS 52 - WATERTIGHT / OILTIGHT - 30 MM HEAVY DUTY

**Features:**

- Octagonal Mounting Nuts.
- Meets Type 1,3,4,12,13 and Automotive Standards.
- Heavy Duty Rated NEMA A600 Contacts.
- Positive Indexing Selectors.
- Bifurcated Movable Contacts.
- Attractive Chrome Plating.
- Boots Not Required For Type 4.
- UL Listed File # E22655.
- CSA Certified File # LR6535.
- Touchsafe Terminals.

**Application:**

Oil Tight Pilot Controls and Accessories Are Designed To Provide Long, Trouble-Free Service In The Most Demanding Industrial Applications. These Controls Are Oil and Dust Tight and Meet Type 3, 4, 12 and 13 Specifications.

**Rugged:**

Industrial Control Operators Are Durable One Piece Castings. Heavy Duty Plastic Buttons Resist Oils and Corrosion. Silver Contacts Carry Heavy Duty Ratings.

**Flexible:**

Accessories Modify Standard Pushbuttons, Selector Switches and Pilot Lights. Building Block Construction Of Contact Blocks Makes Possible Many Circuitry Combinations.

**Industrial Appearance:**

Pilot Controls Add Luster To Panels. Chrome Plating Covers Exposed Metal Parts.

**Pushbutton Operators:**

The Operator Base Consists Of A Durable One Piece Casting Equipped With A Heavy Duty Actuator With A Stainless Steel Spring, A Neoprene Actuator Sealing Ring To Prevent Oil and Dust From Penetrating To The Contact Blocks, A Neoprene Gasket To Seal Operator Mounting Hole and A Chrome Plated Lock Nut.

**Mushroom Head Pushbutton Operators:**

The Mushroom Head Base Construction Is Identical To The Pushbutton Base. The Actuator Is Molded Of High Impact Material For Either A 1-5/8 Inch Or 2-1/2 Inch Diameter Molded Head.

**Contact Blocks:**

Contact Blocks Have Double Break Bifurcated Silver Contacts, With Gold Flashing As Standard, Which Improve Contact Fidelity. Contact Blocks Are Heavy Duty Rated NEMA A600 and Suitable For Applications Down To 5V/1MA Solid State Outputs. Molded Bodies and Pushers Resist Arcing and Tracking. All Units Have Stainless Steel Springs That Resist Corrosion and Provide Strong Contact Pressure. Captive Mounting Screws Speed Panel Assembly.

**Push Pull Operators:**

Push Pull Operators Combine Two Or Three Functions In One Unit. The Maintained Operator Has Two Positions, Typically Pull To Start, Push To Stop. The Momentary Operator With Three Positions Provides Spring Return From Both Pull and Push Positions. These Units Are Also Available With A Pilot Light.

**2 Button Maintained Operator:**

Maintained Pushbuttons Consist Of Two Pushbuttons and A Latching Assembly. When Actuated The Button Remains Depressed and Is Freed Only By The Release Operator To Which It Is Linked. The Button Assembly Adjusts For Mounting From A 1-13/16 Inch To A 2-5/8 Inch Center.

**Transformer Type Pilot Lights:**

Transformer Type Pilot Lights Are Available With A 120, 240, 480 Or 600 Volt Primary (50/60 Hertz) and A Separate Secondary Winding Which Supplies Reduced Voltage To A Miniature Bayonet Base 6 Volt Lamp.

These Units Are Suitable For Applications Where Vibration Is Present and Long Bulb Life Is Desirable.

**Full Voltage Type Pilot Lights:**

Full Voltage Type Pilot Lights Are Available For 6,12,24,120 and 240 Volt AC and DC Applications. The 240 Volt Pilot Light Is Supplied With A 120 Volt Lamp and A Voltage Dropping Resistor.

**LED Type Pilot Lights:**

LED's (Light Emitting Diodes) Can Be Used In Pilot Lights Instead Of Incandescent Bulbs Because Of Their Long Life (Up To 10 Years), Resistance To Vibration and Ambient Sensitivity.

**Selector Operators:**

Selector Operators Have Positive Action Indexing. Operators Are Available With Either A Short Or Long Lever. The Molded Black Lever Is Designed To Accept A Color Insert. A White Insert Is Provided As Standard. Each Operator Is Equipped With A Cam To Actuate Plungers Of Contact Blocks Assembled Behind The Operator. Two, Three and Four Position Operators Are Available With Seven Different Cams.

Lever Color Inserts Are Available In 8 Colors.

**Electrical Ratings:**

NEMA AC Ratings 50/60 Hz  
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



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### PUSHBUTTON OPERATORS ONLY



**Flush  
Pushbutton Operator**



**2 Position  
Push Pull Operator**

Version	Color Of Actuator	Model Number	List Price
Pushbutton With Flush Cap	Black	52PA8A1	\$39.87
	Red	52PA8A2	\$39.87
	Green	52PA8A3	\$39.87
	Yellow	52PA8A4	\$39.87
Pushbutton With Extended Cap	Black	52PA8B1	\$39.87
	Red	52PA8B2	\$39.87
	Green	52PA8B3	\$39.87
	Yellow	52PA8B4	\$39.87
Pushbutton With Mushroom Cap 1-5/8" (41.3 mm)	Black	52PB9D1	\$83.95
	Red	52PB9D2	\$83.95
	Green	52PB9D3	\$83.95
	Yellow	52PB9D4	\$83.95
<b>2 Position Push Pull Maintained, Non Illuminated</b>			
Metal Mushroom Head 1-5/8" (41.3 mm)	Red	52PA2A2	\$132.23
	Green	52PA2A3	\$132.23
	Chrome	52PA2AC	\$132.23
Small Plastic Mushroom Head 1-5/8" (41.3 mm)	Red	52PA2W1	\$113.07
	Green	52PA2W2	\$113.07
	Chrome	52PA2W3	\$113.07
Large Plastic Mushroom Head 2-1/4" (57.2 mm)	Red	52PA2V1	\$127.83
	Green	52PA2V2	\$127.83
	Chrome	52PA2V3	\$127.83

# PUSHBUTTON UNITS & INDICATOR LIGHTS

## CLASS 52 - WATERTIGHT / OILTIGHT - 30 MM HEAVY DUTY

### SELECTOR SWITCH OPERATORS



Version	Lever Type	Color Of Lever Insert	Cam <sup>(2)</sup>	Input Voltage	Model Number	List Price
<b>Selector Switches With 2 Switching Positions</b>						
Maintained Operation	Non-Illuminated, Short Lever	White	A		52SA2AAB	<b>\$54.63</b>
	Non-Illuminated, Long Lever	White	A		52SB2AAB	<b>\$54.63</b>
	Illuminated, Short Lever <sup>(1)</sup> With Full Voltage 24 V, 755 Type Lamp		A	24 V	52SA7ADN	<b>\$132.23</b>
	Illuminated, Short Lever <sup>(1)</sup> With 50/60 Hz Transformer 6V, 755 Type Lamp		A A	120 V 240 V	52SA7AGN 52SA7AHN	<b>\$153.55</b> <b>\$162.85</b>
Spring Return From Right Operation	Non-Illuminated, Short Lever	White	A		52SA2ACB	<b>\$84.34</b>
	Non-Illuminated, Short Lever	White	A		52SB2ACB	<b>\$84.34</b>
<b>Selector Switches With 3 Switching Positions</b>						
Maintained Operation	Non-Illuminated, Short Lever	White	B		52SA2BAB	<b>\$54.63</b>
	Non-Illuminated, Long Lever	White	B		52SB2BAB	<b>\$54.63</b>
	Non-Illuminated, Short Lever	White	C <sup>(3)</sup>		52SA2CAB	<b>\$54.63</b>
	Non-Illuminated, Long Lever	White	C <sup>(3)</sup>		52SB2CAB	<b>\$54.63</b>
	Non-Illuminated, Short Lever	White	D		52SA2DAB	<b>\$54.63</b>
	Non-Illuminated, Long Lever	White	D		52SB2DAB	<b>\$54.63</b>
	Non-Illuminated, Short Lever	White	E		52SA2EAB	<b>\$54.63</b>
	Non-Illuminated, Long Lever	White	E		52SB2EAB	<b>\$54.63</b>
	Non-Illuminated, Short Lever	White	G		52SA2GAB	<b>\$54.63</b>
	Non-Illuminated, Long Lever	White	G		52SB2GAB	<b>\$54.63</b>
	Illuminated, Short Lever <sup>(1)</sup> With Full Voltage 24 V, 755 Type Lamp		B C <sup>(3)</sup>	24 V 24 V	52SA7BDN 52SA7CDN	<b>\$132.23</b> <b>\$132.23</b>
	Illuminated, Short Lever <sup>(1)</sup> With 50/60 Hz Transformer 6V, 755 Type Lamp		B C <sup>(3)</sup> B	120 V 120 V 240 V	52SA7BGN 52SA7CGN 52SA7BHN	<b>\$162.85</b> <b>\$162.85</b> <b>\$162.85</b>
			C <sup>(3)</sup>	240 V	52SA7CHN	<b>\$162.85</b>

<sup>(1)</sup> Illuminated Selector Switches Are Provided Without Lenses - Lens Kit Must Be Ordered Separately On [PAGE 6-35](#)

<sup>(2)</sup> For Contact Operation - See Cam Selection Tables On [PAGES 6-31 & 6-32](#)

<sup>(3)</sup> The C Cam Is Limited To 4 Contact Blocks, 1 Or 2 Pole

# PUSHBUTTON UNITS & INDICATOR LIGHTS

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### SELECTOR SWITCH OPERATORS

Version	Lever Type	Color Of Lever Insert	Cam (2)	Input Voltage	Model Number	List Price
<b>Selector Switches With 3 Switching Positions - Continued</b>						
Spring Return From Right Operation	Non-Illuminated, Short Lever	White	B		52SA2BCB	\$84.34
	Non-Illuminated, Long Lever	White	B		52SB2BCB	\$84.34
	Non-Illuminated, Short Lever	White	C (3)		52SA2CCB	\$84.34
	Non-Illuminated, Long Lever	White	C (3)		52SB2CCB	\$84.34
	Non-Illuminated, Short Lever	White	D		52SA2DCB	\$84.34
	Non-Illuminated, Long Lever	White	D		52SB2DCB	\$84.34
	Non-Illuminated, Short Lever	White	E		52SA2ECB	\$84.34
	Non-Illuminated, Long Lever	White	E		52SB2ECB	\$84.34
	Non-Illuminated, Short Lever	White	G		52SA2GCB	\$84.34
	Non-Illuminated, Long Lever	White	G		52SB2GCB	\$84.34
Spring Return From Left Operation	Non-Illuminated, Short Lever	White	B		52SA2BBB	\$84.34
	Non-Illuminated, Long Lever	White	B		52SB2BBB	\$84.34
	Non-Illuminated, Short Lever	White	C (3)		52SA2CBB	\$84.34
	Non-Illuminated, Long Lever	White	C (3)		52SB2CBB	\$84.34
	Non-Illuminated, Short Lever	White	D		52SA2DBB	\$84.34
	Non-Illuminated, Long Lever	White	D		52SB2DBB	\$84.34
	Non-Illuminated, Short Lever	White	E		52SA2EBB	\$84.34
	Non-Illuminated, Long Lever	White	E		52SB2EBB	\$84.34
	Non-Illuminated, Short Lever	White	G		52SA2GBB	\$84.34
	Non-Illuminated, Long Lever	White	G		52SB2GBB	\$84.34
Spring Return From Right and Left Operation	Non-Illuminated, Short Lever	White	B		52SA2BDB	\$84.34
	Non-Illuminated, Long Lever	White	B		52SB2BDB	\$84.34
	Non-Illuminated, Short Lever	White	C (3)		52SA2CDB	\$84.34
	Non-Illuminated, Long Lever	White	C (3)		52SB2CDB	\$84.34
	Non-Illuminated, Short Lever	White	D		52SA2DDB	\$84.34
	Non-Illuminated, Long Lever	White	D		52SB2DDB	\$84.34
	Non-Illuminated, Short Lever	White	E		52SA2EDB	\$84.34
	Non-Illuminated, Long Lever	White	E		52SB2EDB	\$84.34
	Non-Illuminated, Short Lever	White	G		52SA2GDB	\$84.34
	Non-Illuminated, Long Lever	White	G		52SB2GDB	\$84.34
<b>Selector Switches With 4 Switching Positions</b>						
Maintained Operation	Non-Illuminated, Short Lever	White	H		52SA2HAB	\$54.63
	Non-Illuminated, Long Lever	White	H		52SB2HAB	\$54.63

(1) Illuminated Selector Switches Are Provided Without Lenses - Lens Kit Must Be Ordered Separately On [PAGE 6-35](#)

(2) For Contact Operation - See Cam Selection Tables On [PAGES 6-31 & 6-32](#)

(3) The C Cam Is Limited To 4 Contact Blocks, 1 Or 2 Pole.

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## CLASS 52 - WATERTIGHT / OILTIGHT - 30 MM HEAVY DUTY

### SELECTOR SWITCH OPERATORS



Version	Color Of Lever Insert	Cam (1)	Model Number	List Price
<b>Selector Pushbutton Operators</b>				
NEMA 12/13 Only Flush Type Cap	Black	P	52SA3P1	\$84.34
	Black	Q	52SA3Q1	\$84.34
	Black	R	52SA3R1	\$84.34
	Red	P	52SA3P2	\$84.34
	Red	Q	52SA3Q2	\$84.34
	Red	R	52SA3R2	\$84.34
	Black	S	52SA3S1	\$84.34
1/2" Raised Type Cap	Red	S	52SA3S2	\$84.34
	Black	P	52SA3P1	\$84.34
	Black	Q	52SA3Q1	\$84.34
	Black	R	52SA3R1	\$84.34
	Red	P	52SA3P2	\$84.34
	Red	Q	52SA3Q2	\$84.34
	Red	R	52SA3R2	\$84.34
	Black	S	52SA3S1	\$84.34
Red	S	52SA3S2	\$84.34	

(1) For Contact Operation - See Cam Selection Tables On [PAGES 6-31 & 6-32](#)

# PUSHBUTTON UNITS & INDICATOR LIGHTS

## CLASS 52 - WATERTIGHT / OILTIGHT - 30 MM HEAVY DUTY

### SELECTOR SWITCH OPERATORS



Version	Key Removal Position	Lock Number	Cam (1)	Model Number	List Price
<b>Key Operated Selector Switches With 2 Switching Positions</b>					
Maintained Operation	Both	501CH	A	52SC6AE	\$143.69
	Left	501CH	A	52SC6AF	\$143.69
<b>Key Operated Selector Switches With 3 Switching Positions</b>					
Maintained Operation	All	501CH	B	52SC6BE	\$143.69
			C (2)	52SC6CE	\$143.69
			D	52SC6DE	\$143.69
			E	52SC6EE	\$143.69
			G	52SC6GE	\$143.69
	Left	501CH	B	52SC6BF	\$143.69
			C (2)	52SC6CF	\$143.69
			D	52SC6DF	\$143.69
			E	52SC6EF	\$143.69
			G	52SC6GF	\$143.69
	Right	501CH	B	52SC6BG	\$143.69
			C (2)	52SC6CG	\$143.69
			D	52SC6DG	\$143.69
			E	52SC6EG	\$143.69
			G	52SC6GG	\$143.69
	Center	501CH	B	52SC6BH	\$143.69
			C (2)	52SC6CH	\$143.69
			D	52SC6DH	\$143.69
			E	52SC6EH	\$143.69
			G	52SC6GH	\$143.69
Left and Right	501CH	B	52SC6BJ	\$143.69	
		C (2)	52SC6CJ	\$143.69	
		D	52SC6DJ	\$143.69	
		E	52SC6EJ	\$143.69	
		G	52SC6GJ	\$143.69	

(1) For Contact Operation - See Cam Selection Tables On [PAGES 6-31 & 6-32](#)

(2) C Cam Limited To 4 Single Or Double Pole Blocks On Spring Return Operators

# PUSHBUTTON UNITS & INDICATOR LIGHTS

## CLASS 52 - WATERTIGHT / OILTIGHT - 30 MM HEAVY DUTY

### SELECTOR SWITCH OPERATORS

Version	Key Removal Position	Lock Number	Cam (1)	Model Number	List Price
<b>Key Operated Selector Switches With 3 Switching Positions - Continued</b>					
Maintained Operation	Left and Center	501CH	B	52SC6BK	\$143.69
			C (2)	52SC6CK	\$143.69
			D	52SC6DK	\$143.69
			E	52SC6EK	\$143.69
	Right and Center	501CH	G	52SC6GK	\$143.69
			B	52SC6BM	\$143.69
			C (2)	52SC6CM	\$143.69
			D	52SC6DM	\$143.69
Spring Return From Right Operation	Center	501CH	E	52SC6EM	\$143.69
			G	52SC6GM	\$143.69
			B	52SC6BU	\$172.43
			C (2)	52SC6CU	\$172.43
	Left and Center	501CH	D	52SC6DU	\$172.43
			E	52SC6EU	\$172.43
			G	52SC6GU	\$172.43
			B	52SC6BU	\$172.43
Spring Return From Left Operation	Center	501CH	C (2)	52SC6CU	\$172.43
			D	52SC6DU	\$172.43
			E	52SC6EU	\$172.43
			G	52SC6GU	\$172.43
	Right	501CH	B	52SC6BZ	\$172.43
			C (2)	52SC6CZ	\$172.43
			D	52SC6DZ	\$172.43
			E	52SC6EZ	\$172.43
	Center and Right	501CH	G	52SC6GZ	\$172.43
			B	52SC6BT	\$172.43
			C (2)	52SC6CT	\$172.43
			D	52SC6DT	\$172.43
Spring Return From Left and Right Operation	Center	501CH	E	52SC6ET	\$172.43
			G	52SC6GT	\$172.43
			B	52SC6BW	\$172.43
			C (2)	52SC6CW	\$172.43
	Center and Right	501CH	D	52SC6DW	\$172.43
			E	52SC6EW	\$172.43
			G	52SC6GW	\$172.43
			B	52SC6BY	\$172.43
Center	501CH	C (2)	52SC6CY	\$172.43	
		D	52SC6DY	\$172.43	
		E	52SC6EY	\$172.43	
		G	52SC6GY	\$172.43	
Center	501CH	B	52SC6BV	\$172.43	
		C (2)	52SC6CV	\$172.43	
		D	52SC6DV	\$172.43	
		E	52SC6EV	\$172.43	
Center	501CH	G	52SC6GV	\$172.43	

(1) For Contact Operation - See Cam Selection Tables On [PAGES 6-31 & 6-32](#)

(2) C Cam Limited To 4 Single Or Double Pole Blocks On Spring Return Operators



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### SPECIAL DEVICES



Version	Ohms / Color	Model Number	List Price
Potentiometer Operator 2 Watts (Type 12/3 Only)	50	52MA3B01	\$295.08
	250	52MA3B04	\$295.08
	500	52MA3B06	\$295.08
	1 K	52MA3B08	\$295.08
	2.5 K	52MA3B10	\$295.08
	5 K	52MA3B12	\$295.08
	10 K	52MA3B14	\$295.08
	15 K	52MA3B15	\$295.08
	25 K	52MA3B16	\$295.08
	100 K	52MA3B20	\$295.08
	500 K	52MA3B24	\$295.08
	2 M	52MA3B28	\$295.08
5 M	52MA3B31	\$295.08	
2 Button Maintained Operator Button Remains Depressed When Pushed		52MA2A1A2	\$124.53
		52MA2	\$118.83
Wobble Stick 2.5" Operator For Use With 52BAJ (NC) Contact Block		52ABW2 <sup>(2)</sup>	\$84.34
		52ABW3 <sup>(2)</sup>	\$84.34
		52ABW6 <sup>(2)</sup>	\$84.34
Maintained Toggle Operator		52ABT	\$84.34

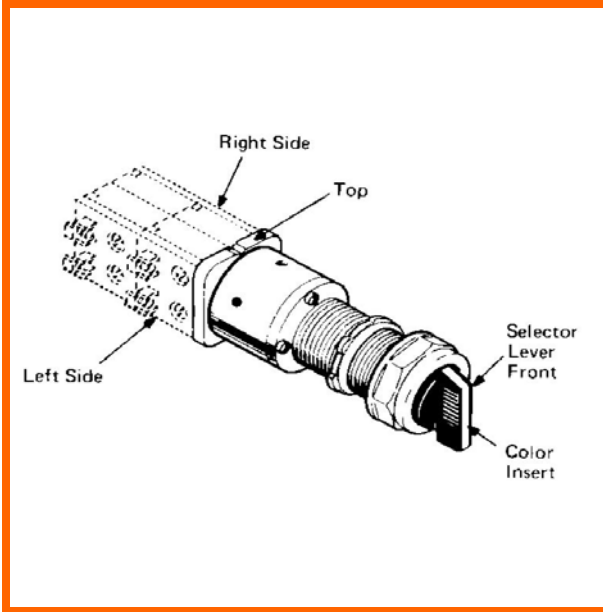
<sup>(2)</sup> For Use With 52BAJ (NC) Contact Block



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### CAM SELECTION



**Ordering Information:**

- Contact Blocks Are Ordered Separately.
- Under Selector Position Find The Selector Operation Required (2 Or 3 Position).
- Select The Contact Operation Required For Each Selector Lever Position (X Indicates When Contacts Are Closed).
- The Cam Letter Column Identifies The Cam Of The Selector Operator.
- Contact Block Must Be Assembled In Position Shown For Each Circuit Application.
- Cam D, E Or G May Be Ordered At The Same Price By Changing The 6th Character Of The Selector Model Number.  
Example: Selector With D Cam 51SA2SA.
- C Cam On Spring Return Selectors Is Limited To 4 Contact Blocks.
- Selector Operators In Enclosures Are Limited To Depth Of 1 Contact Block (2 Blocks Wide).

Lever or Key Operators (Viewed From Front)				Cam Letter	Contact Block Model Number	Mounting (Viewed From Front)		
Selector Position	Lever Position (X Indicates Contact Closed)					Left	Right	
	Left	Right	Center					
2	X	O		A	52BAJ (NC) 52BAK (NO)	L	Or	R
	O	X				L	Or	R
	X Illuminated	O		A	52BAJ (NC) 52BAK(NO)	L		
	O	X				L		
3	X	O	O	B	52BAK (NO) 52BAK (NO) 52BAJ (NC) 52BAJ (NC)			R
	O	O	X			L		
	X	X	O			L		
	O	X	X					R
	X	O	X	C	2 - 52BAK (NO) 52BAJ (NC) 52BAK (NO)	L	And	R
	X	O	O			L	Or	R
	O	O	X			L	Or	R
	O	X	O			L	Or	R
	O	O	X	D	52BAJ (NC) 52BAK (NO)	L	Or	R
	O	X	O			L	Or	R
	O	O	X			L	Or	R
	O	X	O			L	Or	R
X	O	O	E	52BAK (NO) 52BAJ (NC)	L	Or	R	
O	X	O			L	Or	R	



