

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Pushbutton Complete Units

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 with gold flashing carry heavy duty ratings while allowing for low-voltage applications.

Flexible

Accessories modify standard push buttons, 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.

Push Button 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 Push Button Operators

The Mushroom Head base construction is identical to the push button 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 Push Buttons consist of two push buttons 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 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 50/60Hz

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

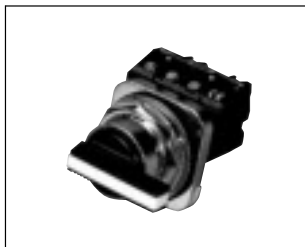
- Accessories see page 16-211.
- Selector Position and Contact Operation page 16-209.
- Legend Plates see page 16-219.
- Enclosures see page 16-220.



Pilot Light



Push Button



Selector Operator



Selector Push Operation

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Selection and ordering data

Momentary	Version	Color of actuator	Contact blocks	Flush cap order no. ¹⁾	Extended cap order no. ¹⁾	List Price	Mushroom head order no. ¹⁾	List Price	Pack
						\$		\$	Unit
Pushbutton with flush cap	Pushbutton unit with assembled contact blocks	black	1 NO	52PA8A1K	52PA8B1K	34.50	52PB9□1K	59.00	1
		red	1 NO	52PA8A2K	52PA8B2K	34.50	52PB9□2K	59.00	
		green	1 NO	52PA8A3K	52PA8B3K	34.50	52PB9□3K	59.00	
		yellow	1 NO	52PA8A4K	52PA8B4K	34.50	52PB9□4K	59.00	
		blue	1 NO	52PA8A5K	52PA8B5K	34.50	52PB9□5K	59.00	
		gray	1 NO	52PA8A6K	52PA8B6K	34.50	52PB9□6K	59.00	
		orange	1 NO	52PA8A8K	52PA8B8K	34.50	52PB9□8K	59.00	
		black	1 NC	52PA8A1J	52PA8B1J	34.50	52PB9□1J	59.00	1
Pushbutton with extended cap		red	1 NC	52PA8A2J	52PA8B2J	34.50	52PB9□2J	59.00	
		green	1 NC	52PA8A3J	52PA8B3J	34.50	52PB9□3J	59.00	
		yellow	1 NC	52PA8A4J	52PA8B4J	34.50	52PB9□4J	59.00	
		blue	1 NC	52PA8A5J	52PA8B5J	34.50	52PB9□5J	59.00	
		gray	1 NC	52PA8A6J	52PA8B6J	34.50	52PB9□6J	59.00	
		orange	1 NC	52PA8A8J	52PA8B8J	34.50	52PB9□8J	59.00	
		black	1 NO + 1 NC	52PA8A1A	52PA8B1A	47.00	52PB9□1A	71.00	1
		red	1 NO + 1 NC	52PA8A2A	52PA8B2A	47.00	52PB9□2A	71.00	
Pushbutton with 1 5/8" mushroom head		green	1 NO + 1 NC	52PA8A3A	52PA8B3A	47.00	52PB9□3A	71.00	
		yellow	1 NO + 1 NC	52PA8A4A	52PA8B4A	47.00	52PB9□4A	71.00	
		blue	1 NO + 1 NC	52PA8A5A	52PA8B5A	47.00	52PB9□5A	71.00	
		gray	1 NO + 1 NC	52PA8A6A	52PA8B6A	47.00	52PB9□6A	71.00	
		orange	1 NO + 1 NC	52PA8A8A	52PA8B8A	44.00	52PB9□8A	71.00	
		black	2 NO	52PA8A1F	52PA8B1F	47.00	52PB9□1F	71.00	1
		red	2 NO	52PA8A2F	52PA8B2F	47.00	52PB9□2F	71.00	
		green	2 NO	52PA8A3F	52PA8B3F	47.00	52PB9□3F	71.00	
		yellow	2 NO	52PA8A4F	52PA8B4F	47.00	52PB9□4F	71.00	
		blue	2 NO	52PA8A5F	52PA8B5F	47.00	52PB9□5F	71.00	
		gray	2 NO	52PA8A6F	52PA8B6F	47.00	52PB9□6F	71.00	
		orange	2 NO	52PA8A8F	52PA8B8F	47.00	52PB9□8F	71.00	
		black	2 NC	52PA8A1G	52PA8B1G	47.00	52PB9□1G	71.00	1
		red	2 NC	52PA8A2G	52PA8B2G	47.00	52PB9□2G	71.00	
		green	2 NC	52PA8A3G	52PA8B3G	47.00	52PB9□3G	71.00	
		yellow	2 NC	52PA8A4G	52PA8B4G	47.00	52PB9□4G	71.00	
		blue	2 NC	52PA8A5G	52PA8B5G	47.00	52PB9□5G	71.00	
		gray	2 NC	52PA8A6G	52PA8B6G	47.00	52PB9□6G	71.00	
		orange	2 NC	52PA8A8G	52PA8B8G	47.00	52PB9□8G	71.00	
		black	2 NO + 2 NC	52PA8A1B	52PA8B1B	72.00	52PB9□1B	96.00	1
		red	2 NO + 2 NC	52PA8A2B	52PA8B2B	72.00	52PB9□2B	96.00	
		green	2 NO + 2 NC	52PA8A3B	52PA8B3B	72.00	52PB9□3B	96.00	
		yellow	2 NO + 2 NC	52PA8A4B	52PA8B4B	72.00	52PB9□4B	96.00	
		blue	2 NO + 2 NC	52PA8A5B	52PA8B5B	72.00	52PB9□5B	96.00	
		gray	2 NO + 2 NC	52PA8A6B	52PA8B6B	72.00	52PB9□6B	96.00	
		orange	2 NO + 2 NC	52PA8A8B	52PA8B8B	72.00	52PB9□8B	96.00	

Order no. change

Small operating head - 1 5/8" (41.3 mm)

Large operating head - 2.5" (63.5 mm)

D
E

1) For other contact block assemblies replace the 8th digit of the catalog

number as follows:

C = 3 NO + 3 NC

D = 4 NO + 4 NC

E = 1 NC (EB)

H = 1 NO (EM)