



Class 52 Pilot Devices


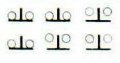
Selection

BlackMax™ NEMA 4X Push-Pull Operators


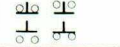
2 Position Maintained, Non Illuminated

	Description	Color	Operator with 1 1/8" Head Only ^①		Operator with 1 1/8" Head and 1 NO-1 NC ^①		
			Plastic	Price \$	Plastic	Price \$	
	1 NO-1 NC 	Black		52PX2W1	46.20	52PX2W1A	64.20
		Red		52PX2W2	46.20	52PX2W2A	64.20
Green			52PX2W3	46.20	52PX2W3A	64.20	


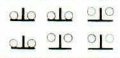
3 Position Momentary, Non Illuminated, Spring Return to Center (Pull to Start-Push to Stop^②)

	Description	Color	Operator with 1 1/8" Head and 1 NO-1 NC ^①		
			Plastic	Price \$	
	1 NO-1 NC Pull Center Push 	Black		52PX3W1U	70.20
		Red		52PX3W2U	70.20
Green			52PX3W3U	70.20	

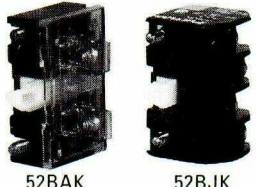
2 Position Maintained, Illuminated (1 NO-1 NC)

		Volts	Red Catalog No	Price \$	Green Catalog No	Price \$	
							Full Voltage
	Transformer 6V Lamp, # 755 		120	52PX2G2A	100.20	52PX2G3A	100.20
			240	52PX2H2A	100.20	52PX2H3A	100.20
			480	52PX2J2A	100.20	52PX2J3A	100.20
			600	52PX2K2A	100.20	52PX2K3A	100.20

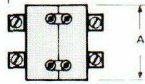
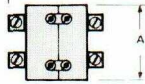
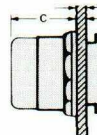
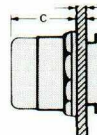
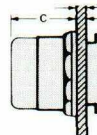
3 Position Momentary, Illuminated (1 NO-1 NC)^② Spring Return to Center

		Volts	Red Catalog No	Price \$	Green Catalog No	Price \$	
							Full Voltage
	Transformer 6V Lamp, # 755 Pull Center Push 		120	52PX3G2U	100.20	52PX3G3U	100.20
			240	52PX3H2U	100.20	52PX3H3U	100.20
			480	52PX3J2U	100.20	52PX3J3U	100.20
			600	52PX3K2U	100.20	52PX3K3U	100.20

Contact Blocks

	NEMA Rating	Contacts	Catalog No	Price \$
	A600	Q600	Normally Open	52BAK 9.00
	A600	Q600	Normally Closed	52BAJ 9.00
	A600	Q300	NO-NC	52BJK 18.00
	A600	Q600	NO (Early Make) ^③	52BAH 9.00
	A600	Q600	NC (Late Break) ^④	52BAE 9.00
	A600	Q600	Normally Open (Gold Flashed)	52BAKG 18.00
	A600	Q600	Normally Closed (Gold Flashed)	52BAKG 18.00
	Reed Switch ^⑤ (UL Listed Class 1 Div 2)	NO-NC	0.25A Max, 150V AC, 10 Watt Max 0.5A Max, 150V DC, 10 Watt Max	52BAR 36.00

Push Pull Operators—Dimensions

						Ref Dwg
Maintained	1.63 (41)	1.88 (48)	1.75 (44)	1.38 (35) ^⑥	0.25 (6)	D27282
Maintained with Pilot Light	1.63 (41)	1.94 (49)	1.25 (32)	2.31 (59) ^⑦	0.25 (6)	D26623
Momentary	1.63 (41)	1.88 (48)	1.94 (49)	1.38 (35) ^⑥	0.25 (6)	D27283
Momentary with Pilot Light	1.63 (41)	1.94 (49)	1.38 (35)	3.00 (76) ^⑦	0.25 (6)	D27145

①For 2 1/2" head, replace W with V. Add \$6 to list price.
②Blocks cannot be interchanged (Start-Stop Circuit).
③Early make contact block closes before 52BAK.

④Late break contact block opens after 52BAJ.
⑤Suitable for use on low energy level circuits.
Hermetically sealed.

⑥Add 1 inch for each pair of contact blocks added (max. of 4 pairs).
⑦Add 1 inch for each additional contact block (maximum 4 blocks).

9

Pushbuttons and Pilot Devices

Features

- Epoxy Coating
- Superior Chip Resistance
- Corrosion Protection
- Low Coefficient of Friction
- Good Solvent Resistance
- Heavy Duty Die Cast Parts
- Bifurcated Contacts
- Meets NEMA 1, 3, 4, 4X, 12 and 13 When Mounted in Properly Rated Enclosure
- UL Listed File #E22655
- CSA Certified File #LR6535

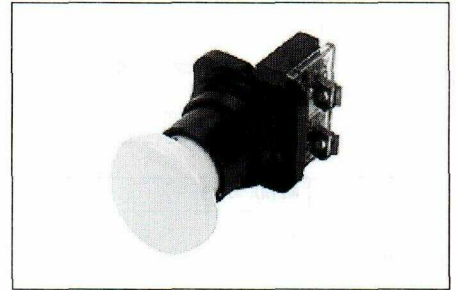
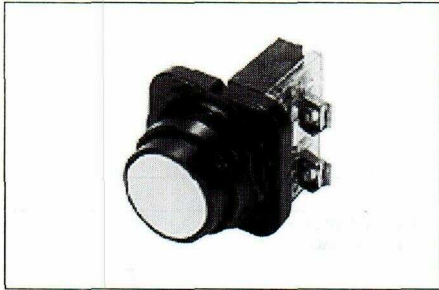
Application

The 30 mm corrosion resistant pilot devices come in a black matte finish. Corrosion resistance is enhanced with the heavy duty die cast construction of the bases of the popular oil-tight design Class 52. The 4X version of Class 52 now offers an industry wide accepted rugged die cast design along with superior corrosion resistance.

Electrical Ratings

NEMA AC Ratings 50/60Hz		
NEMA A600 10 Cont. Amps		
Volts	Make	Break
120	60	6
240	30	3
480	15	1.5
600	12	1.2
VA	7200	720

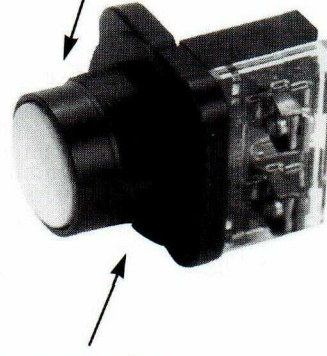
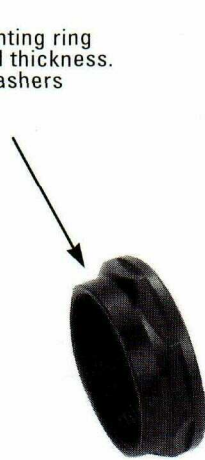
Maximum Panel Thickness: 1/4"



Octagonal mounting ring adjusts to panel thickness. Spacers and washers eliminated.

Legend Plate (Aluminum or Plastic).

Internal seal for NEMA 4 and 4X protection.



Epoxy coating for corrosion resistance.

Contacts stackable to 4 deep side by side.

Oil Tight — Pilot Devices

Features

- Octagonal Mounting Nuts
- Meets NEMA 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 NEMA 4
- UL Listed File # E22655
- CSA Certified File # LR6535

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 NEMA 3, 4, 12 and 13 specifications.

Features

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 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 acrylic 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.

Electrical Ratings			Ordering Information
NEMA AC Ratings 50/60Hz NEMA A600 10 Cont. Amps			<ul style="list-style-type: none"> ▶ Accessories see page 557. ▶ Selector Position and Contact Operation see page 554. ▶ Legend Plates see page 558. ▶ Enclosures see page 556.
Volts	Make	Break	
120	60	6	
240	30	3	
480	15	1.5	
600	12	1.2	
VA	7200	720	
Maximum Panel Thickness: 1/4"			

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 1⁵/₈ inch or 2¹/₂ inch diameter molded acrylic head.

Contact Blocks

Contact Blocks have double break bifurcated silver contacts which improve contact fidelity. Contact blocks are heavy duty rated NEMA A600 and suitable for applications with low current draw. 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 1³/₁₆ inch to a 2⁵/₈ 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) are 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

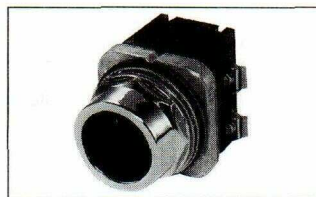
Selector Lever Operators with positive action indexing have a short or long lever which makes them easy to turn. The molded black lever is designed to accept eight color inserts. Each operator is equipped with a cam to actuate plungers of contact blocks assembled behind the operator. Two, three and four position operators are available with seven different cams.

Lever color inserts are available in 8 colors.

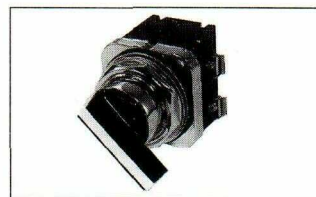
Pushbuttons and Pilot Devices



Pilot Light



Push Button



Selector Operator



Selector Push Operation