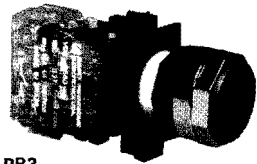


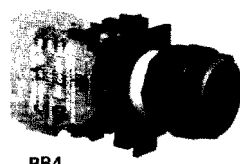


# PB3/PB4 22.5 mm Miniature Oil-tite Pushbuttons

Flush Pushbutton Non Illuminated



PB3

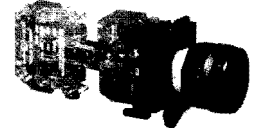


PB4

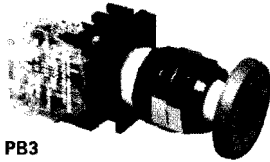
Indicating Light with Transformer Light Unit



Full Voltage Indicating Light

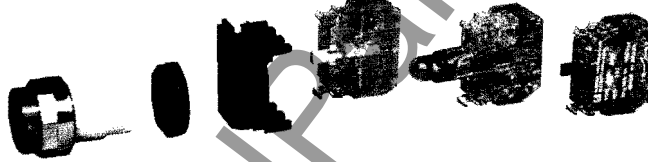


2 Position Push-Pull



PB3

PB3 Components Extended Illuminated Pushbutton



Multiple Pole Rotary Cam Selector Switch

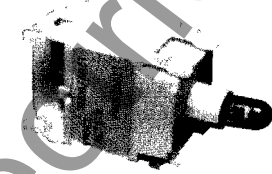


PB3

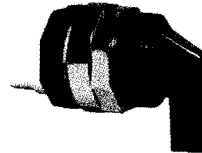
Full Voltage Light Unit with Lamp



Transformer Light Unit with Lamp



Selector Switch Swing Lever Operator w/o Mounting Adaptor



Select or Switch Knob Handle w/o Mounting Adaptor



Octagonal Clamp Ring



PB3-Metal

PB4-Plastic

Mounting Adaptor Supplied with Operator



Contact Block



In This Publication	Page
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Catalog Numbering System .....	4
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## How to Order/Description

PB3/PB4 22.5mm Pushbuttons  
Oil-tite and Water-tite

### How to Order

This catalog section covers the PB3 and PB4 lines of 22.5mm oiltight pushbuttons.

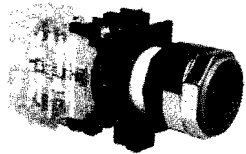
PB3/PB4 uses the same catalog numbering system used for PB1/PB2 30.5mm pushbuttons.

Like PB1/PB2, PB3 and PB4 devices are catalogued by function (pushbuttons, indicating lights, selector switches) and follow a similar format. To provide catalog information that meets the needs of a variety of customers, catalog data has been organized into **three** categories:

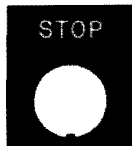
- I. Most Frequently Used Devices – see page 5.
- II. Complete Assembled Devices – listed for each function.
- III. Unassembled Components – listed with Assembled Devices for each function.

### Most Frequently Used Devices

For frequently used functions, such as "START" or "STOP" pushbuttons, special catalog numbers have been established. For example, the catalog number for a "stop" pushbutton is PB3STOP. If a corrosion resistant operator is required, the special catalog number (as shown on page 5) is PB4STOP. For all devices listed on page 5, the catalog number and list price cover the complete assembled device *plus* the appropriate legend plate required to make the function (e.g. "STOP").



PB3STOP



PB3STOP Includes Legend Plate

### Frequently Used Devices

Complete Pushbuttons Include the Following Items:



Contact Blocks



Mounting Adapter (Supplied with Operator)



Legend Plate (Optional)



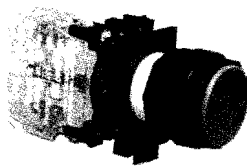
Operator Plug (If Required)



Operator

### Complete Assembled Devices

For each functional category, catalog numbers (and list prices) are given for complete assembled devices, both non-illuminated and illuminated. To order, first locate the function desired – e.g. Standard Pushbuttons, Illuminated (page 6). Then pick the catalog number that matches the application requirements – contact configuration and type of illuminated device (transformer, full voltage, etc.). Add the list price of the desired legend plate to the list price of the assembled device to determine the total list price, and order the legend plate separately.



Assembled Devices include Contact Block(s) and Operator

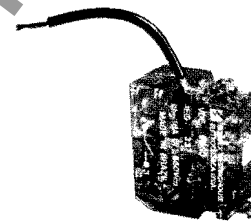
### Unassembled Components

For each function, the components used to make the device are listed next to the assembled devices. Individual components can be ordered to make up additional configurations not found in the assembled device section or to make more flexible use of inventory.

### Description

The PB3 line is a complete pushbutton line designed for industrial applications that must meet international standards for oil-tight and watertight pilot devices. The PB4 pushbutton line (similar to PB2) is specially designed to meet corrosion resistant requirements. PB3 and PB4 devices are UL listed and CSA certified and meet UL508, IEC337, and VDE0660.

PB3 and PB4 devices meet both UL and IEC environmental certification requirements. PB3 is UL listed for (NEMA) Type 1, 2, 3, 3R, 4, 12, and 13 without the need for rubber boots. PB4 is UL listed for Type 4X (in addition to the types listed for PB3) without rubber boots. Both PB3 and PB4 meet I.E.C. 529, IP65 and IP66 for operators with rubber boots.



Contact Blocks are "Fingerproof"

### Construction Features

PB3/PB4 operators mount through the front of the panel. An octagonal mounting nut is then tightened from the back of the panel to secure the operator without the need of set screws or individual spacers. Panel thicknesses can be accommodated from a minimum of 0.04 inches to a maximum of 0.28 inches.

Designed to meet international standards, (I.E.C. Standard IP20), terminals are shrouded or "finger proof" to reduce accidental contact. Both PB3 and PB4 meet UL type (NEMA) 4, 4X (PB4), and 13 (which exceed IP65 requirements) without the need for protective boots.

PB3 and PB4 use 30mm x 50mm of mounting space (using standard legend plates) and can save over 40% of panel area compared to 30mm pushbuttons with legend plates. Although they mount in a 22.5mm mounting hole, PB3/PB4 pushbuttons offer a "full" size operating face – a 25mm diameter is standard.





## Description

PB3/PB4 22.5mm Pushbuttons  
Oil-tite and Water-tite

### Colors

Eight translucent colors are available: black (standard for PB3 operators), light gray (standard for PB4), yellow, red, green, orange, blue, and white. Seven transparent colors are also available for indicating lights and illuminated pushbuttons, push-pull operators, and selector switches. These colors include red, green, yellow, amber, blue, white, and clear.

### Complete Line

Both PB3 and PB4 lines offer a wide selection of functions. The following is a list of the functions available.

#### Pushbuttons – Momentary

- 25mm: Non-Illuminated and Illuminated
- 35mm: Mushroom Head, Non-Illuminated
- 50mm: Mushroom Head-Plastic, Non-Illuminated and Illuminated

#### Pushbuttons – Maintained

- 35mm: Twist Release, Non-Illuminated
- 50mm: Push-Pull-Plastic Illuminated and Non-Illuminated
- 35mm: Key Release

#### Push-Pull

- 35, 50mm: 2 and 3 Position, Non-Illuminated and Illuminated

#### Indicating Lights

#### Selector Switches – Maintained and Spring Return

- Lever or Knob: 2 and 3 Position, Non-Illuminated and Illuminated
- Key Operated: 2, 3, and 4 Position; 2, 3, and 4 Pole; Non-Illuminated

### Contact Blocks

PB3 contact blocks are single and double circuit blocks used with both PB3 and PB4 operators. Contact blocks are mounted side by side. Contact blocks can be mounted on the left, center, and or right side of the mounting adapter.

Momentary pushbutton operators (non-illuminated) will accept up to 3 contact blocks. An operator plug (PB3PG), listed under Accessories on page 7, must be used whenever a contact block is mounted in the "center" position. All other operators will accept up to two contact blocks, mounted on the left and/or right side.

PB3 contact blocks are rated 600 volts and meet UL codes A600 (AC) and Q600 (DC). The contacts are rated 10 amps continuous, 7200 VA make, 720 VA break. Contact blocks feature a "positive" drive on N.C. (PB3B and PB3D) which allows contacts to be forced open in emergency situations.

Contact blocks have color-coded plungers to easily determine which are N.O. and N.C. The plungers also allow the contact status to be viewed from the rear of the block, simplifying installation.

Contact blocks have been designed for quick and easy wiring and installation. No tools are needed to install contact blocks or light units – they simply snap into the mounting adapter. This greatly reduces installation time. The mounting adapter itself clips and locks onto the operator so that all contact blocks can be removed easily, as a "single" piece. Contact blocks can be easily bench wired and then quickly installed.

Contact blocks have captive saddle clamp terminals that are "backed-out" when shipped. This reduces wiring time. Any standard blade, Phillips, or power screwdriver can be used.

### Legend Plates

Legend plates are available in two different types: aluminum for PB3, laminated plastic for PB4 (or PB3).

Legend plates come in standard size (40mm x 45mm) and (30mm x 45mm). Aluminum legend plates are available in red or black. Laminated legend plates are available in reversible colors: white with black letters, black with white letters and red with white letters. Legend plates are generally ordered separately by style number.

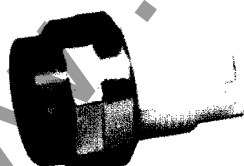
### PB1/PB2 Pushbutton Line – 30mm

Westinghouse also offers a complete line of 30mm industrial, oiltight pushbuttons, selector switches, and indicating lights. PB1 and PB2 functionally parallel the PB3 and PB4 lines. A full line of 30mm complementary devices are also offered including miniature ammeters, voltmeters, elapsed time meters (and more), a 30mm line of ammeter and voltmeter switches, protective relays – including ground fault and phase loss/phase reversal relays – that mount in a 30mm mounting hole, and an eight position 30mm Device Panel. For further information on these devices, see the current edition of Catalog 25-000.

### IEC Contactors and Overload Relays

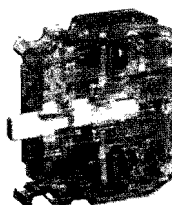
Westinghouse offers a complete line of contactors, overload relays, and control relays designed for industrial applications that meet international standards including UL, CSA, IEC, and VDE. For additional information on the complete line of IEC control, refer to Catalog Section 8250, available from Westinghouse, or the Catalog 25-000.

Variety of Operators Includes This Illuminated, Extended Button.

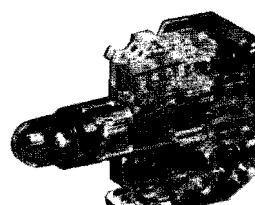


Choice of Chrome (PB3) or Black (PB4)

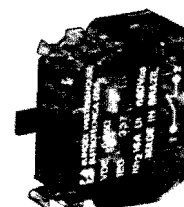
Three Legend Styles Available.



Locking Lever on Mounting Adapter Secures to Operator Without Tools.



T3-14 Bayonet Base Lamps Used Throughout.

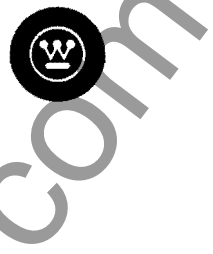


Light Units and Contact Blocks "Clip" In and Out of Mounting Adapter.

Octagonal Mounting Nut Eliminates Spacer Washers and Set Screws.

### Catalog Numbering System

PB3/PB4 22mm Oil-tite, Water-tite



**COMPLETE CATALOG NUMBER EXAMPLE = PB3 + JD + R + 2A + AB + TI = PB3JDR2AABTI**

Line	Style	Color	Cam type/Location Selector switches only	Contact Block Location (viewed from rear)	Light Unit/Trans- former Voltage/Hz
PB3 = Industrial, Oiltight, Watertight	<p><b>PUSHBUTTONS - Momentary, Non-Illuminated</b></p> <p>AA = Flush AB = Extended AD = Extended Full Shroud AE = 35mm Mushroomhead AH = 50mm Mushroomhead</p> <p><b>PUSHBUTTONS - Momentary, Illuminated</b></p> <p>GA = Flush GB = Extended GD = Extended Full Shroud</p> <p><b>PUSH-PULL UNITS, Non-Illuminated</b></p> <p>CB = 35mm 2 Position, Maintained CA = 35mm 3 Position, Momentary CK = 50mm 2 Position, Maintained</p> <p><b>PUSH-PULL UNITS, Illuminated</b></p> <p>FC = 35mm 2 Position, Maintained GJ = 35mm 3 Position, Momentary</p> <p><b>PUSHBUTTONS - Lockable</b></p> <p>DJ = 35mm Key Lockable Mushroomhead</p> <p><b>PUSHBUTTONS - Special: Maintained, Non-Illuminated</b></p> <p>CG = 35mm Mushroomhead, Twist Release</p> <p><b>INDICATING LIGHTS</b></p> <p>HH = 25mm Standard Light</p> <p><b>INDICATING LIGHTS, Push-To-Test</b></p> <p>GT = Transformer GV = Full Voltage GX = LED Full Voltage Push-to-Test</p> <p><b>SELECTOR SWITCHES, Non-Illuminated</b></p> <p><b>2 Position Maintained</b></p> <p>JD = Swing Lever JG = Knob KE, KF, KG = Key Operated</p> <p><b>2 Position Spring Return</b></p> <p>JP = Swing Lever JQ = Knob LG = Key Operated</p> <p><b>3 Position Maintained</b></p> <p>JE = Swing Lever JH = Knob KL-KI-KJ, KK-KH-KM, KP = Key Operated</p> <p><b>3 Position Spring Return</b></p> <p>JS, JV, JY = Swing Lever JT, JW, KA = Knob LK, LU, LY = Key Operated LL, LJ, LW, LX</p> <p><b>4 Position Maintained</b></p> <p>JF = Swing Lever</p> <p><b>SELECTOR SWITCHES, Illuminated</b></p> <p><b>2 Position Maintained</b></p> <p>NT = Swing Lever NT = Knob</p> <p><b>2 Position Spring Return</b></p> <p>JL = Swing Lever NU = Knob</p> <p><b>3 Position Maintained</b></p> <p>MW = Swing Lever NY = Knob</p> <p><b>3 Position Spring Return</b></p> <p>MU, MX, NB = Swing Lever NV, NW, NX = Knob</p> <p><b>CONTACT BLOCKS</b></p> <p>A = Normally Open (NO) B = Normally Closed (NC) C = NO, Early Make D = NC, Delayed Break AB = Double Circuit, 1NO, 1NC</p>	<p>H = Black R = Red G = Green Y = Yellow B = Blue A = Orange W = White L = Light Gray C = Clear O = No Cap</p>	<p>1A = 3 Position 2A = 2 Position 4C = 4 Position</p> <p>Do not select cam part of operator</p>	<p><b>LEFT</b></p> <p>A = NO B1 = NC C = NO Early Make O1 = NC, Late Break F1 = 1NO, 1NC</p> <p><b>CENTER</b></p> <p>P = NO O = NC R = NO, Early Make S = NC, Late Break P1 = 1NO, 1NC</p> <p><b>RIGHT</b></p> <p>A5 = NO B = NC C5 = NO, Early Make O = NC, Late Break Q1 = 1NO, 1NC</p>	<p>T1 = Transformer 120/60, 110/50 T2 = Transformer 240/60, 220/50 T3 = Transformer 480/60, 440/50 T8 = Transformer 380-415/50</p> <p>V1 = Full Voltage 6V AC/DC V2 = Full Voltage 12V AC/DC V3 = Full Voltage 24V AC/DC V5 = Full Voltage 48/50V AC/DC V6 = Full Voltage 60V AC/DC V7 = Full Voltage 120VAC/DC</p>



### Frequently Used Devices

PB3/PB4 22.5mm UL Type 4, 4X, 13

#### Frequently Used Complete, Assembled Pushbuttons, Indicating Lights, and Selector Switches

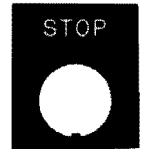
$$\text{Complete Assembled Unit} = \text{Operator} + \text{Cap or Lens} + \text{Contact Block(s) (if required)} + \text{Transformer (if required)} + \text{Legend Plate}$$

The following list of complete assembled units covers the most commonly used push-button devices. These units are ordered by a single catalog number and are packaged completely assembled with all the necessary components, including an appropriately engraved Legend Plate. These are the only units listed in this catalog that include

a legend plate as standard. If other functions are required, refer to the corresponding section in this catalog. The complete units listed below in **GROUP I** are for specific functions. The generic version of these same units appear in **GROUP II** and do not include legend plates.



PB3STOP



Includes Legend Plate

#### Assembled Pushbuttons, Indicating Lights and Selector Switches

GROUP I						GROUP II	
Completely Assembled Kits (Includes Operator and Legend Plate.)						Operator Only. Select Legend Plate From List Below. ③	
Function	Kit Catalog Number	Operator or Lens Color	Legend Plate	Contact/Voltage Configuration	List Price	Operator Only Catalog Number	List Price
<b>Pushbuttons</b>							
START, Flush Head	PB3START	Green	START	1 NO (Left)	\$27.00	PB3AAGA	\$25.20
STOP, Extend Head	PB3STOP	Red	STOP	1 NC (Right)	27.00	PB3ABRB	25.20
EMERGENCY STOP, Mushroom Head-35mm	PB3ESTOP	Red	EMERGENCY STOP	1 NC (Right)	45.00	PB3AERB	43.20
<b>Indicating Lights</b> ①							
ON Pilot Light 120V AC/DC Full Voltage	PB3ONLITE	Red	ON	Full Voltage	54.00	PB3HHRV7	52.20
OFF Pilot Light 120V AC/DC Full Voltage	PB3OFFLITE	Green	OFF	120V AC/DC	54.00	PB3HHGV7	52.20
RUN Pilot Light 120V AC/DC Full Voltage	PB3RUNLITE	Red	RUN		54.00	PB3HHRV7	52.20
ON Push-To-Test Light 120V AC/DC Full Voltage	PB3ONPTT	Red	ON, PUSH-TO-TEST		72.00	PB3GVRV7	70.20
OFF Push-To-Test Light 120V AC/DC Full Voltage	PB3OFFPTT	Green	OFF, PUSH-TO-TEST		72.00	PB3GVRV7	70.20
RUN Push-To-Test Light 120V AC/DC Full Voltage	PB3RUNPTT	Red	RUN, PUSH-TO-TEST	.....	72.00	PB3GVRV7	70.20
<b>Selector Switches</b> ②							
OFF-ON 2 Position Switch	PB3OFFON	Charcoal	(Left Right) OFF ON	OFF ON O X	33.00	PB3JDH2AB	31.20
ON-OFF 2 Position Switch	PB3ONOFF	Charcoal	(Left Right) ON OFF	ON OFF X O	33.00	PB3JDH2AA5	31.20
RUN-JOG 2 Position Switch	PB3RUNJOG	Charcoal	(Left Right) RUN JOG	RUN JOG X O	42.00	PB3JDH2AAA5	40.20
STOP-START 2 Position Switch	PB3STPSTR	Charcoal	(Left Right) STOP START	STOP START X O	42.00	PB3JDH2AAA5	40.20
HAND-OFF-AUTO 3 Position Switch	PB3H0A	Charcoal	(Left Ctr Right) HAND OFF AUTO	HAND OFF AUTO X O O O O X	42.00	PB3JEH1AAA5	40.20

① All PB3 and PB4 Indicating Lights are the same device. Order as PB3.

② PB4 version has Light Grey handle.

③ Legend plate not included. Order separately from table below. All standard legend plates are \$1.80 list each. For Legends not listed below or Custom Legend Plates see page 16.

#### Standard Legend Plates

(See How To Order Below.)

Legend Information	Code	Legend Information	Code	Legend Information	Code	Legend Information	Code
AUTO-OFF-HAND	H31	INCH	H10	ON/PUSH-TO-TEST	H53	RUN-OFF-INCH	H45
CLAMP	H64	INCREASE	H71	ON-OFF	H42	RUN-SAFE-JOG	H85
CLOSE	H02	JOG	H11	ON-STOP-SAFE	H87	RUN-STOP-RUN	H92
DECREASE	H70	JOG FORWARD	H65	OPEN	H69	SAFE	H24
DOWN	H03	JOG REVERSE	H66	OPEN-CLOSE	H43	SAFE-RUN	H46
EMERGENCY STOP	H04	JOG-STOP-RUN	H81	OPEN-OFF-CLOSE	H84	SLOW	H25
FAST	H05	LEFT	H12	OUT	H17	SLOW-FAST	H80
FAST-SLOW-OFF-AUTO	H97	LEFT-RIGHT	H38	POWER-ON	H61	SLOW-OFF-FAST	H89
FASTER	H06	LOCAL-OFF-REMOTE	H93	POWER ON/PUSH-TO-TEST	H56	SLOWER	H26
FEED START	H76	LOCAL-REMOTE	H95	PUSH TO-STOP/PULL TO START	H75	SPEED	H77
FEED STOP	H78	LOW	H13	RAISE	H18	START	H27
FEED TRAVERSE	H57	LOW SPEED	H68	RAISE-LOWER	H79	START CYCLE	H72
FEEDER OFF	H74	LOWER	H14	RAISE-OFF-LOWER	H88	START-INCH	H47
FEEDER ON	H73	MAN-OFF-AUTO	H91	READY	H19	START-JOG	H67
FORWARD	H07	MOTOR OFF/PUSH-TO-TEST	H55	REMOTE-LOCAL	H96	START-STOP	H48
FULL SPEED	H58	MOTOR RUN	H59	REMOTE-OFF-LOCAL	H94	STOP	H28
FWD-OFF-REV	H82	MOTOR RUN/PUSH-TO-TEST	H54	RESET	H20	STOP-START	H49
FWD-REV	H32	MOTOR STOP	H60	REV-FWD	H44	TEST	H29
FWD-SAFE-REV	H83	OFF	H15	REVERSE	H21	TRANSFER	H63
HAND-AUTO	H33	OFF/PUSH-TO-TEST	H51	RIGHT	H22	TRIP	H62
HAND-OFF-AUTO	H34	OFF-AUTO	H39	RUN	H23	TRIPPED/RESET	H98
HIGH	H08	OFF-COOLANT-ON	H40	RUN/PUSH-TO-TEST	H52	UP	H30
HIGH-LOW	H35	OFF-ON	H41	RUN-INCH	H36	UP-DOWN	H50
HIGH-OFF-LOW	H90	ON	H16	RUN-JOG	H37	UP-OFF-DOWN	H86
IN	H09						

**How To Order Legend Plates:** To order PB3 legend plate, aluminum with black letters, order 269P741 + three digit code. Example: For standard legend plate engraved TEST, order 269P741H29 at \$1.80 list. To order PB4 legend plate, three ply laminated plastic black with white letters, order 269P743 + three digit code. Example: For standard legend plate engraved HIGH, order 269P743H08 at \$1.80 list.

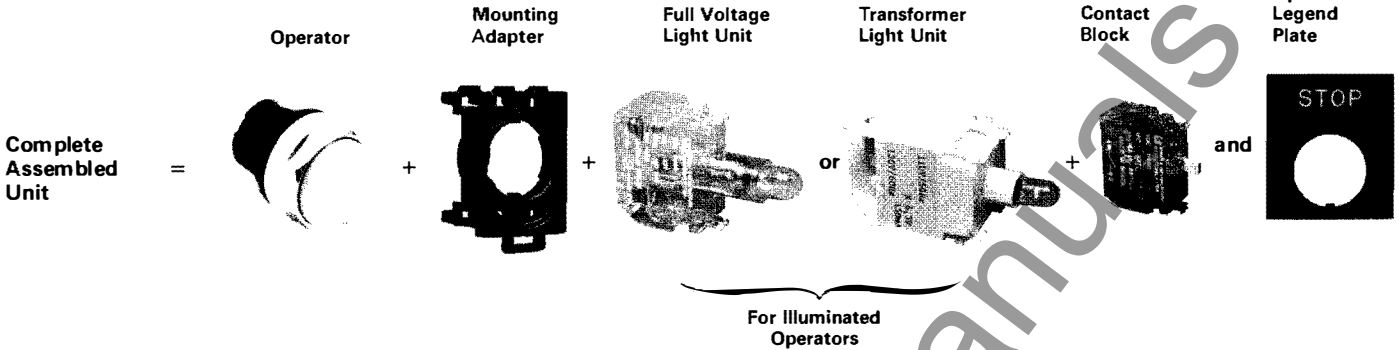


## Complete Assembled Pushbuttons

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

### Pushbuttons – Non-Illuminated and Illuminated

#### Description



**Complete Units** listed have black/red (Non-Illuminated/Illuminated) caps for PB3 push-button operators. If a different color is required, select the catalog letter from the **Cap Color Table** and substitute it for the SHADED letter in the catalog number.

**PB3/PB4** – The catalog numbers on this page are for PB3 operators. If PB4 operators are desired, substitute "PB4" in place of "PB3" and the desired letter from the **Cap Color Table** for the SHADED letter in the catalog number listed.

**Legend Plates** – The price for a complete assembly unit does NOT include a legend plate. Order legend plates separately at **\$1.80** list each. Legend plates are listed on page 16.

#### Non-Illuminated Pushbuttons (Black Cap Standard)

Contact Arrangement			Catalog Number			List Price
Left	Center	Right	Flush Head	Extended Head	Extended Head Full Shroud	
1NO	—	—	PB3AAHA	PB3ABHA	PB3ADHA	\$25.20
1NC	—	—	PB3AAHB1	PB3ABHB1	PB3ADHB1	25.20
1NO	—	1NC	PB3AAHAB	PB3ABHAB	PB3ADHAB	34.20
1NO	—	1NO	PB3AAHAA5	PB3ABHAA5	PB3ADHAA5	34.20
1NC	—	1NC	PB3AAHB1B	PB3ABHB1B	PB3ADHB1B	34.20
1NO	1NO	1NO	PB3AAHAPA5	PB3ABHAPA5	PB3ADHAPA5	43.20
1NO	1NO	1NC	PB3AAHAPB	PB3ABHAPB	PB3ADHAPB	43.20
1NO	1NC	1NC	PB3AAHAQB	PB3ABHAQB	PB3ADHAQB	43.20
1NC	1NC	1NC	PB3AAHB1QB	PB3ABHB1QB	PB3ADHB1QB	43.20

#### Cap Color Table

Color	Catalog Letter Designation	
	Non-Illuminated	Illuminated
Black	H	—
Light Gray	L	—
Red	R	R
Green	G	G
Yellow	Y	—
Blue	B	B
White	W	W
Orange	A	A
Clear	—	C

#### Illuminated Pushbuttons (Red Cap Standard)

Contact Arrangement	Voltage/Hz	Catalog Number			List Price	Voltage	Catalog Number			List Price
		Transformer Type					Full Voltage Type			
		Flush	Extended	Extended Full Shroud			Flush	Extended	Extend Full Shroud	
1NO	120	PB3GARAT1	PB3GBRAT1	PB3GDRAT1	\$73.20	6 Ac/Dc	PB3GARAV1	PB3GBRAV1	PB3GDRAV1	\$61.20
	240	PB3GARAT2	PB3GBRAT2	PB3GDRAT2		12 Ac/Dc	PB3GARAV2	PB3GBRAV2	PB3GDRAV2	
	380/415	PB3GARAT8	PB3GBRAT8	PB3GDRAT8		24 Ac/Dc	PB3GARAV3	PB3GBRAV3	PB3GDRAV3	
	480	PB3GARAT3	PB3GBRAT3	PB3GDRAT3		120 Ac/Dc	PB3GARAV7	PB3GBRAV7	PB3GDRAV7	
1NC	120	PB3GARBT1	PB3GBRBT1	PB3GDRBT1	73.20	6 Ac/Dc	PB3GARB1V1	PB3GBRB1V1	PB3GDRB1V1	61.20
	240	PB3GARBT2	PB3GBRBT2	PB3GDRBT2		12 Ac/Dc	PB3GARB1V2	PB3GBRB1V2	PB3GDRB1V2	
	380/415	PB3GARBT8	PB3GBRBT8	PB3GDRBT8		24 Ac/Dc	PB3GARB1V3	PB3GBRB1V3	PB3GDRB1V3	
	480	PB3GARBT3	PB3GBRBT3	PB3GDRBT3		120 Ac/Dc	PB3GARB1V7	PB3GBRB1V7	PB3GDRB1V7	
1NO/1NC	120	PB3GARABT1	PB3GBRABT1	PB3GDRABT1	82.20	6 Ac/Dc	PB3GARABV1	PB3GBRABV1	PB3GDRAV1	70.20
	240	PB3GARABT2	PB3GBRABT2	PB3GDRABT2		12 Ac/Dc	PB3GARABV2	PB3GBRABV2	PB3GDRAV2	
	380/415	PB3GARABT8	PB3GBRABT8	PB3GDRABT8		24 Ac/Dc	PB3GARABV3	PB3GBRABV3	PB3GDRAV3	
	480	PB3GARABT3	PB3GBRABT3	PB3GDRABT3		120 Ac/Dc	PB3GARABV7	PB3GBRABV7	PB3GDRAV7	



### Pushbutton Components PB3/PB4 22.5mm NEMA Type 4, 4X, 13

**Standard Pushbutton Components** – Non-illuminated pushbutton operators can use up to 3 contact blocks (i.e. 3 circuits) mounted in the right, center, and left positions. An Operator Plug, PB3PG is required whenever a contact block is mounted in the center position. Illuminated pushbutton operators can use up to 2 contact blocks (2 circuits). When a Full Voltage Light Unit is used, it is mounted in the center position. The Full Voltage Light Units are the same size as a contact block and mount like a contact block. When a Transformer Light Unit is used, the contact blocks (up to two) are mounted behind the transformer on the right and left sides. All pushbutton operators come with a mounting adapter as standard.

If more than three circuits are required, up to 6 circuits can be achieved on a single pushbutton operator using double circuit contact blocks: PB3AB 1NO, 1NC. Contact your Westinghouse Control Support Center representative for further information.

#### Contact Blocks

Contact Arrangement	Symbol	Catalog Number	List Price
1NO		PB3A	\$ 9
1NC		PB3B	9
1NO, Early Make		PB3C	9
1NC, Delayed Break		PB3D	9
1NO, 1NC Double Circuit		PB3AB	18

#### Light Units for Illuminated Pushbuttons

Source Voltage	Type	Cat. No.	List Price
120/110V, 60/50 Hz	Transformer	PB3T1	\$48.00
240/220V, 60/50 Hz	Transformer	PB3T2	48.00
480V/440V, 60/50 Hz	Transformer	PB3T3	48.00
415/380V, 60/50 Hz	Transformer	PB3T8	48.00
6V Ac/Dc	Full Voltage	PB3V1	36.00
12V Ac/Dc	Full Voltage	PB3V2	36.00
24V Ac/Dc	Full Voltage	PB3V3	36.00
48V Ac/Dc	Full Voltage	PB3V5	36.00
60V Ac/Dc	Full Voltage	PB3V6	36.00
110V Ac/Dc	Full Voltage	PB3V7	36.00

#### Standard Accessories

Accessory	Catalog Number	List Price
Mounting Adapter (for replacement or retrofits)	PB3RA	\$1.80
Operator Plug – required when mounting Contact Block in center position	PB3PG	\$1.20



Mounting Adapter



Operator Plug

#### Non-Illuminated Pushbutton Operators – Momentary Action Will Accept Maximum of 3 Contact Blocks (3 Circuits)

Color	Catalog Number		List Price	Overall Dimensions mm [in]
	Chrome Type 4-13	Black Type 4X-13		
<b>25 mm DIAMETER FLUSH BUTTON</b>				
Black	PB3AAH	PB4AAH	\$16.20	 29.0 [1.14] 58 [2.30] 12 [0.45] Ship. Wt. 1.5 oz.
Red	PB3AAR	PB4AAR		
Green	PB3AAG	PB4AAG		
Yellow	PB3AAY	PB4AAY		
White	PB3AAW	PB4AAW		
Blue	PB3AAB	PB4AAB		
Gray	PB3AAL	PB4AAL		
Orange	PB3AAA	PB4AAA		
<b>25 mm DIAMETER EXTENDED BUTTON</b>				
Black	PB3ABH	PB4ABH	16.20	 29.0 [1.14] 58 [2.30] 19 [0.72] Ship. Wt. 1.5 oz.
Red	PB3ABR	PB4ABR		
Green	PB3ABG	PB4ABG		
Yellow	PB3ABY	PB4ABY		
White	PB3ABW	PB4ABW		
Blue	PB3ABB	PB4ABB		
Gray	PB3ABL	PB4ABL		
Orange	PB3ABA	PB4ABA		
<b>25 mm DIA. EXT. FULL SHROUD</b>				
Black	PB3ADH	.....	16.20	 29.0 [1.14] 58 [2.30] 28 [0.90] Ship. Wt. 2.2 oz.
Red	PB3ADR	.....		
Green	PB3ADG	.....		
Yellow	PB3ADY	.....		
White	PB3ADW	.....		
Blue	PB3ADB	.....		
Gray	PB3ADL	.....		
Orange	PB3ADA	.....		

#### Illuminated Pushbutton Operators – Momentary Action Will Accept Maximum of 2 Contact Blocks (2 Circuits)

Color	Catalog Number		List Price	Overall Dimensions mm [in]		
	Chrome Type 4-13	Black Type 4X-13				
<b>25 mm DIAMETER FLUSH BUTTON</b>						
Red	PB3GAR	PB4GAR	\$16.20	 29.0 [1.14] 101 [4.0] 58 [2.30] 12 [0.45] Ship. Wt. 1.5 oz.		
Green	PB3GAG	PB4GAG				
White	PB3GAW	PB4GAW				
Blue	PB3GAB	PB4GAB				
Amber	PB3GAA	PB4GAA				
Clear	PB3GAC	PB4GAC				
<b>25 mm DIAMETER EXTENDED BUTTON</b>						
Red	PB3GBR	PB4GBR			16.20	 29.0 [1.14] 101 [4.0] 58 [2.30] 19 [0.79] Ship. Wt. 1.5 oz.
Green	PB3GBG	PB4GBG				
White	PB3GBW	PB4GBW				
Blue	PB3GBB	PB4GBB				
Amber	PB3GBA	PB4GBA				
Clear	PB3GBC	PB4GBC				
<b>25 mm DIA. EXT. BUTTON W/SHROUD</b>						
Red	PB3GDR	.....	16.20	 29.0 [1.14] 101 [4.0] 58 [2.30] 23 [0.90] Ship. Wt. 2.2 oz.		
Green	PB3GDG	.....				
White	PB3GDW	.....				
Blue	PB3GDB	.....				
Amber	PB3GDA	.....				
Clear	PB3GDC	.....				

#### Further Information

Selling Policy 25000  
PB3, PB4 Description, Pages 2 and 3  
Contact Block Data, Page 20  
Light Units, Page 20  
Legend Plates, Page 16 and 17

Panel Layout, Page 20  
Accessories, Page 18 and 19  
Instruction Leaflet, IL 17452  
UL File No. E19223  
CSA File No. LR 94691  
Discount Symbol C10-S6



**Complete Assembled Push-Pull**  
PB3/PB4 22.5mm NEMA Type 4, 4X,13



Push/Pull – PB3

**Complete Units** have BLACK caps for PB3 non-illuminated and RED caps for illuminated operators. If a different color is required, select the catalog letter from the **Cap Color Table** and substitute it for the SHADED letter in the catalog number.

**PB3/PB4** – The catalog numbers on this page are for PB3 operators. If PB4 operators are desired, substitute "PB4" in place of "PB3" and the desired letter from the **Cap Color Table** for the SHADED letter in the catalog number.

**Legend Plates** – The price for a complete assembled unit does NOT include a legend plate. If desired, choose one from the list below or turn to page 16 for a complete listing. Order legend plates separately at **\$1.80** list each.

**Non-Illuminated with Black Operator – 2 Position 35 mm Button ①**

Function	Contact Arrangement Viewed from Rear		Catalog Number	List Price
	LEFT	RIGHT		
Out			PB3CBHB	<b>\$43.20</b>
Maintained				
In			PB3CBHAB	<b>52.20</b>
Maintained				
Maintained				

**Illuminated with Red Operator – 2 Position 35 mm Button**

Type	Volts	Catalog Number	List Price
Transformer 60/50 Hz	120 Ac 240 Ac 480 Ac	PB3FCRBT1 PB3FCRBT2 PB3FCRBT3	<b>\$91.20</b>
Full Voltage	12 Ac/Dc 24 Ac/Dc 120 Ac	PB3FCRBV2 PB3FCRBV3 PB3FCRBV7	<b>79.20</b>
Transformer 60/50 Hz	120 Ac 240 Ac 480 Ac	PB3FCRABT1 PB3FCRABT2 PB3FCRABT3	<b>100.20</b>
Full Voltage	12 Ac/Dc 24 Ac/Dc 120 Ac	PB3FCRABV2 PB3FCRABV3 PB3FCRABV7	<b>88.20</b>

**Non-Illuminated with Black Operator – 3 Position 35 mm Lens ①**

Function	Contact Arrangement Viewed from Rear		Catalog Number	List Price
	LEFT	RIGHT		
Out			PB3CAHDB	<b>\$52.20</b>
Momentary				
Center			PB3CAHD1B	<b>52.20</b>
Maintained				
Maintained				
In			PB3CAHD1B	<b>52.20</b>
Momentary				
Momentary			PB3CAHD1B	<b>52.20</b>
Momentary				

**Illuminated with Red Operator – 3 Position 35 mm Lens**

Type	Volts	Catalog Number	List Price
Transformer 60/50 Hz	120 Ac 240 Ac 480 Ac	PB3GJRGBT1 PB3GJRGBT2 PB3GJRGBT3	<b>\$100.20</b>
Full Voltage	12 Ac/Dc 24 Ac/Dc 120 Ac	PB3GJRGBV2 PB3GJRGBV3 PB3GJRGBV7	<b>88.20</b>
Transformer 60/50 Hz	120 Ac 240 Ac 480 Ac	PB3GJRD1BT1 PB3GJRD1BT2 PB3GJRD1BT3	<b>100.20</b>
Full Voltage	12 Ac/Dc 24 Ac/Dc 120 Ac	PB3GJRD1BV2 PB3GJRD1BV3 PB3GJRD1BV7	<b>88.20</b>

**Contact Block Application – Operators Will Accept Up To 2 Contact Blocks (2 Circuits).**

Two Position Push-Pull				Three Position Push-Pull			
Contact Block	Circuit	Circuit Out	Operation ②	Contact Block	Circuit	Circuit Out	Operation ②
PB3A		O	X	PB3B		X	O O
PB3B		X	O	PB3D		X	X O
				PB3B		X	O O
				PB3A		O	O X

**Cap Color Table**

Color	Catalog Letter Designation	
	Non-Illuminated	Illuminated
Black	H	—
Red	R	R
Green	G	G
Orange	A	A
Blue	B	B

① Also available with 50 mm Cap; Non illuminated only – PB3CJ 3 position momentary; PB3CK 2 position maintained.  
② X = Closed, O = Open





## Push-Pull Components

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

### Non-Illuminated

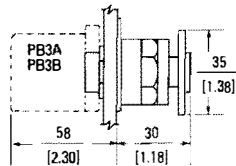
Will Accept up to 2 Contact Blocks (2 Circuits)

Color	Catalog Number		List Price	Overall Dimensions mm [in.]
	Chrome Type 4-13	Black Type 4X-13		

2 POSITION — 35mm DIA. BUTTON  
(Maintained)

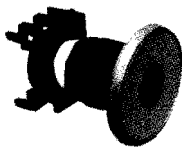


Black	PB3CBH	PB4CBH	\$34.20
Red	PB3CBR	PB4CBR	
Green	PB3CBG	PB4CBG	

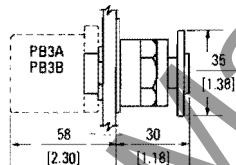


Ship. Wt. 1.5 oz.

3 POSITION — 35mm DIA. BUTTON  
(Spring Return to Center)



Black	PB3CAH	PB4CAH	34.20
Red	PB3CAR	PB4CAR	
Green	PB3CAG	PB4CAG	



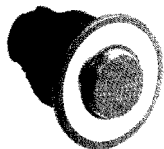
Ship. Wt. 1.5 oz.

### Illuminated

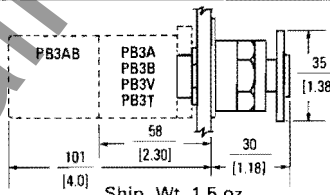
Will Accept up to 2 Contact Blocks (2 Circuits). On full voltage light units, the contact block(s) mount to either side of light unit – on transformer type light units, the contact blocks mount on the back of the transformer.

Color	Catalog Number		List Price	Overall Dimensions mm [in.]
	Chrome Type 4-13	Black Type 4X-13		

2 POSITION — 35mm DIAMETER LENS  
(Maintained)



Red	PB3FCR	PB4FCR	\$34.20
Green	PB3FCG	PB4FCG	
Blue	PB3FCB	PB4FCB	
Amber	PB3FCA	PB4FCA	

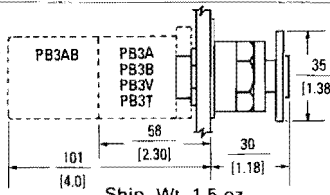


Ship. Wt. 1.5 oz.

3 POSITION — 35mm DIAMETER LENS  
(Spring Return to Center)



Red	PB3GJR	PB4GJR	34.20
Green	PB3GJG	PB4GJG	
Blue	PB3GJB	PB4GJB	
Amber	PB3GJA	PB4GJA	

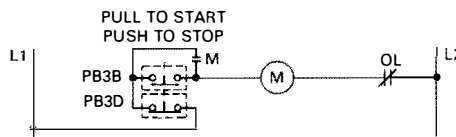


Ship. Wt. 1.5 oz.

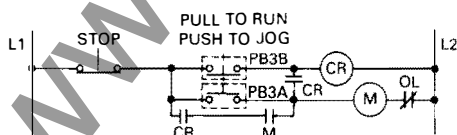
### Application Examples



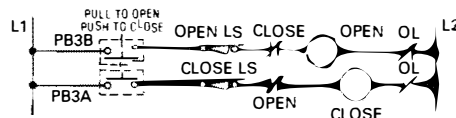
2 Position Push-Pull Operator  
Arranged for Pull-To-START/ Push-To-STOP Operation



3 Position Push-Pull Operator  
Arranged for Pull-To-START/ Push-To-STOP Operation



3 Position Push-Pull Operator  
Arranged for Pull-To-RUN/ Push-To-JOG Operation



3 Position Push-Pull Operator  
Arranged for Pull-To-OPEN/ Push-To-CLOSE Operation

### Push/Pull Caps Only – 35mm Diameter

Color	Non-Illum.	List Price	Illuminated	List Price
Black	PB3VQH	\$4.20	—	—
Red	PB3VQR	4.20	PB3WDR	\$4.20
Green	PB3VQG	4.20	PB3WDG	4.20
Blue	—	—	PB3WDB	4.20
Amber	—	—	PB3WBA	4.20

### Push/Pull Caps Only – 50mm

Color	Non-Illum. Cat. No.	List Price
Red	PB3VRR	\$4.20
Green	PB3VRG	4.20
Black	PB3VRH	4.20

### Contact Blocks

Contact Arrangement	Symbol	Catalog Number	List Price
1NO		PB3A	\$ 9
1NC		PB3B	9
1NO, Early Make		PB3C	9
1NC, Delayed Break		PB3D	9
1NO, 1NC Double Circuit		PB3AB	18

### Transformer Kits for Illuminated Push Pull Operators.

Transformer Voltage (60/50 Hz)	Catalog Number	List Price
120V	PB3T1	\$48.00
240V	PB3T2	48.00
480V	PB3T3	48.00
415V	PB3T8	48.00

### Light Units for Full Voltage Illuminated Push Pull Operators

Includes a T3-1/4 Bayonet Base Lamp (except where noted)

Description	Supply Voltage		Catalog Number	Price
	60 Hz	50 Hz		
Full Voltage	6 VAC/DC		PB3V1	\$36.00
	12 VAC/DC		PB3V2	
	24 VAC/DC		PB3V3	
	48 VAC/DC		PB3V5	
	60 VAC/DC		PB3V6	
Ac/Dc	120 VAC/DC		PB3V7	33.00
	Unit w/o Lamp		PB3V	

### Further Information

Selling Policy 25000  
PB3, PB4 Description, Pages 2 and 3  
Contact Block Data, Page 20  
Light Units, Page 20  
Legend Plates, Page 16 and 17  
Accessories, Page 18 and 19  
Instruction Leaflet, IL 17452  
UL File No. E 19223  
CSA File No. LR 94691



## Mushroom Head Pushbuttons

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

**Complete Units** have RED caps for PB3 mushroom head pushbutton operators. If a different color is required, select the catalog letter from the **Cap Color Table** and substitute it for the SHADED letter in the catalog number.

**PB3/PB4** – The catalog numbers on this page are for PB3 operators. If PB4 operators are desired, substitute "PB4" in place of "PB3" and the desired letter from the **Cap Color Table** for the SHADED letter in the catalog number.

**Legend Plates** – The price for a complete assembled unit does NOT include a legend plate. If desired, choose one from the list below or from page 16. Order legend plates separately at **\$1.80** list each.

35mm Momentary



35mm Twist Release



35mm Key Release



### Complete Assembled Units – Momentary

Contact Arrangement			35mm Diameter	50mm Diameter	List Price
LEFT	CENTER	RIGHT			
1NO	—	—	PB3AERA	PB3AHRA	\$43.20
1NC	—	—	PB3AERB1	PB3AHRB1	43.20
1NO	—	1NC	PB3AERAB	PB3AHRAB	52.20
1NO	—	1NO	PB3AERAA5	PB3AHRAA5	52.20
1NC	—	1NC	PB3AERB1B	PB3AHRB1B	52.20
1NO	1NO	1NO	PB3AERAPA5	PB3AHRAPA5	61.20
1NO	1NO	1NC	PB3AERAPB	PB3AHRAPB	61.20
1NO	1NC	1NC	PB3AERAQB	PB3AHRAQB	61.20
1NC	1NC	1NC	PB3AERB1QB	PB3AHRB1QB	61.20
Component Operators Only			PB3AER	PB3AHR	34.20

### Complete Assembled Units – Maintained

Contact Arrangement		Twist Release	List Price	Push to Latch-Pull to Release	List Price	Key Release	List Price
LEFT	RIGHT	35mm Diameter		50mm Diameter		35mm Diameter	
1NO	—	PB3CGRA	\$58.20	PB3CKRA	\$43.20	PB3DJRA	\$72.90
1NC	—	PB3CGRB1	58.20	PB3CKRB1	43.20	PB3DJRB1	72.90
1NO	1NC	PB3CGRAB	67.20	PB3CKRAB	52.20	PB3DJRAB	82.20
1NO	1NO	PB3CGRAA5	67.20	PB3CKRAA5	52.20	PB3DJRAA5	82.20
1NC	1NC	PB3CGRB1B	67.20	PB3CKRB1B	52.20	PB3DJRB1B	82.20
Component Operators Only		PB3CGR	49.20	PB3CKR	34.20	PB3DJR	64.20

### Cap Color Table

Color	Catalog Letter
Black <sup>①</sup>	H
Red	R
Green <sup>①</sup>	G

<sup>①</sup> Color not available on key release.



### Special 70mm Legend Plate

## Indicating Lights

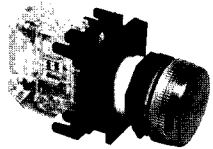
PB3/PB4 22.5mm NEMA Type 4, 4X, 13  
Full Voltage and Transformer Type, Push-To-Test Type

**Complete Units** have RED lenses. If a different color is required, specify by selecting a letter from **Lens Color Table** and substituting it for the **SHADED** letter in the catalog number.


**PB3/PB4** – The catalog numbers listed are for PB3 Push-To-Test lights. If PB4 is desired, substitute "PB4" in place of "PB3" in the catalog number. There are no PB4 versions of the pilot lights.

**Legend Plates** – The price for an assembled unit does NOT include a legend plate. If desired, choose one from page 16. Order legend plate separately at **\$1.80** list each.


### Full Voltage Indicating Light – 25 mm Diameter

	Rating	Catalog No. Standard Lens	List Price	Overall Dimensions mm (in.)
	6V AC/DC	PB3HHRV1	<b>\$52.20</b>	
	12V AC/DC	PB3HHRV2	<b>52.20</b>	
	24V AC/DC	PB3HHRV3	<b>52.20</b>	
	48V AC/DC	PB3HHRV5	<b>52.20</b>	
	60V AC/DC	PB3HHRV6	<b>52.20</b>	
	120V AC/DC	PB3HHRV7	<b>52.20</b>	
120V AC/DC LED●	PB3HHRZ7	<b>64.20</b>		


### Transformer Indicating Light – 25 mm Diameter

	Rating	Catalog No. Standard Lens	List Price	
	120/110V 60/50 Hz	PB3HRT1	<b>\$64.20</b>	
	240/220V 60/50 Hz	PB3HRT2	<b>64.20</b>	
	380/415V 50 Hz	PB3HRT8	<b>64.20</b>	
480/440V 60/50 Hz	PB3HRT3	<b>64.20</b>		


### Push-to-Test Full Voltage Light – 25 mm Diameter

	Rating	Catalog No.	List Price	
	6V AC/DC	PB3GVRV1	<b>\$70.20</b>	
	12V AC/DC	PB3GVRV2	<b>70.20</b>	
	24V AC/DC	PB3GVRV3	<b>70.20</b>	
	48V AC/DC	PB3GVRV5	<b>70.20</b>	
	60V AC/DC	PB3GVRV6	<b>70.20</b>	
120V AC/DC	PB3GVRV7	<b>70.20</b>		

### Push-to-Test Transformer Light – 25 mm Diameter

	Rating	Catalog No.	List Price	
	120/110V 60/50 Hz	PB3GTRT1	<b>\$82.20</b>	
	240/220V 60/50 Hz	PB3GTRT2	<b>82.20</b>	
	380/415V 50 Hz	PB3GTRT8	<b>82.20</b>	
480/440V 60/50 Hz	PB3GTRT3	<b>82.20</b>		

### Lens Assembly without Light Unit

	Color	Catalog No. Standard Ind. Light	List Price	
	Red	PB3HHR	<b>\$16.20</b>	
	Green	PB3HHG	<b>16.20</b>	
	Yellow	PB3HHY	<b>16.20</b>	
	Amber	PB3HHA	<b>16.20</b>	
	Blue	PB3HHB	<b>16.20</b>	
	White	PB3HHW	<b>16.20</b>	
	Clear	PB3HHC	<b>16.20</b>	

### Lens Color Table

R	Red	B	Blue
G	Green	W	White
A	Amber	C	Clear

### Operator Only, Push-to-Test Lights

Catalog Number	Color	List Price
PB3GBR	Red	<b>\$16.20</b>
PB3GBG	Green	<b>16.20</b>
PB3GBA	Amber	<b>16.20</b>
PB3GBB	Blue	<b>16.20</b>
PB3GBW	White	<b>16.20</b>
PB3GBC	Clear	<b>16.20</b>

### Light Units Only, Push-to-Test Lights with Prewired 1NO-1NC Contact Blocks①

Type	Voltage	Catalog Number	List
Transformer	120VAC	PB3GTOT1	<b>\$66.00</b>
Full Voltage	24VAC/DC	PB3GVOV3	<b>54.30</b>
Full Voltage	120VAC/DC	PB3GVOV7	<b>54.30</b>

- ① Does not contain operator. Operator must be ordered separately.  
② LED available in Red, Green and Amber. Substitute last two digits in catalog number with the following code.

LED code
Z1 – 6V AC/DC
Z2 – 12V AC/DC
Z3 – 24V AC/DC
Z5 – 48V AC/DC
Z6 – 60V AC/DC
Z7 – 120V AC/DC



## 2 Position Selector Switches

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

**Complete Units** — have Black handles as indicated. If a different color is required, select the catalog letter from the **Handle Color Table** and substitute it for the SHADED letter in the catalog number. Follow the same procedure when ordering "operators only".

**PB3/PB4** — The catalog numbers on this page are for PB3 operators. If PB4 operators are desired, substitute "PB4" in place of "PB3" and the desired letter from the **Handle Color Table** for the SHADED letter in the catalog number.

**Legend Plates** — The price for a complete assembled unit does NOT include a legend plate. If desired, choose one from the list of Common Legend Plates below or turn to page 16. Order legend plates separately at **\$1.80** list each.

### 2 Position Non-Illuminated Selector Switch

Operator Position O = Open X = Closed

Switch Sequence L R	Type of Operator (Black Color Shown)	Maintained		Spring Return from Right	
		Catalog Number	List Price	Catalog Number	List Price
O X	Swing Lever Knob Key Operated, Locking & Key Removal Position Right & Center Right Center	PB3JDH2AB	\$31.20	PB3JPH2AB	\$43.20
		PB3JGH2AB	31.20	PB3JQH2AB	43.20
		PB3KGH2AB	67.20	.....	.....
		PB3KFH2AB	67.20	.....	.....
		PB3KEH2AB	67.20	PB3LGH2AB	79.20
X O	Swing Lever Knob Key Operated, Locking & Key Removal Position Right & Center Right Center	PB3JDH2AA5	31.20	PB3JPH2AA5	43.20
		PB3JGH2AA5	31.20	PB3JQH2AA5	43.20
		PB3KGH2AA5	67.20	.....	.....
		PB3KFH2AA5	67.20	.....	.....
		PB3KEH2AA5	67.20	PB3LGH2AA5	79.20
X O O X	Swing Lever Knob Key Operated, Locking & Key Removal Position Right & Center Right Center	PB3JDH2AAA5	40.20	PB3JPH2AAA5	52.20
		PB3JGH2AAA5	40.20	PB3JQH2AAA5	52.20
		PB3KGH2AAA5	76.20	.....	.....
		PB3KFH2AAA5	76.20	.....	.....
		PB3KEH2AAA5	76.20	PB3LGH2AAA5	88.20
O X O X	Swing Lever Knob Key Operated, Locking & Key Removal Position Right & Center Right Center	PB3JDH2AAB	40.20	PB3JPH2AAB	52.20
		PB3JGH2AAB	40.20	PB3JQH2AAB	52.20
		PB3KGH2AAB	76.20	.....	.....
		PB3KFH2AAB	76.20	.....	.....
		PB3KEH2AAB	76.20	PB3LGH2AAB	88.20
X O X O	Swing Lever Knob Key Operated, Locking & Key Removal Position Right & Center Right Center	PB3JDH2AB1A5	40.20	PB3JPH2AB1A5	52.20
		PB3JGH2AB1A5	40.20	PB3JQH2AB1A5	52.20
		PB3KGH2AB1A5	76.20	.....	.....
		PB3KFH2AB1A5	76.20	.....	.....
		PB3KEH2AB1A5	76.20	PB3LGH2AB1A5	88.20

### 2 Position Illuminated Selector Switch

Switch Sequence L R	Type of Operator (Red Shown)	Illumination Unit		Maintained		Spring Return from Right	
		Type	Volts	Catalog Number	List Price	Catalog Number	List Price
X O O X	Swing Lever	Transformer 50/60HZ	120	PB3MTR2AAA5T1	\$88.20	PB3MSR2AAA5T1	\$100.20
			240	PB3MTR2AAA5T2	88.20	PB3MSR2AAA5T2	100.20
			480	PB3MTR2AAA5T3	88.20	PB3MSR2AAA5T3	100.20
		Full Voltage AC/DC	12	PB3MTR2AAA5V2	76.50	PB3MSR2AAA5V2	88.50
			24	PB3MTR2AAA5V3	76.50	PB3MSR2AAA5V3	88.50
			120	PB3MTR2AAA5V7	76.50	PB3MSR2AAA5V7	88.50
	Knob	Transformer 50/60HZ	120	PB3NTR2AAA5T1	88.20	PB3NUR2AAA5T1	100.20
			240	PB3NTR2AAA5T2	88.20	PB3NUR2AAA5T2	100.20
			480	PB3NTR2AAA5T3	88.20	PB3NUR2AAA5T3	100.20
		Full Voltage AC/DC	12	PB3NTR2AAA5V2	76.50	PB3NUR2AAA5V2	88.50
			24	PB3NTR2AAA5V3	76.50	PB3NUR2AAA5V3	88.50
			120	PB3NTR2AAA5V7	76.50	PB3NUR2AAA5V7	88.50
O X O X	Swing Lever	Transformer 50/60HZ	120	PB3MTR2AABT1	88.20	PB3MSR2AABT1	100.20
			240	PB3MTR2AABT2	88.20	PB3MSR2AABT2	100.20
			480	PB3MTR2AABT3	88.20	PB3MSR2AABT3	100.20
		Full Voltage AC/DC	12	PB3MTR2AABV2	76.50	PB3MSR2AABV2	88.50
			24	PB3MTR2AABV3	76.50	PB3MSR2AABV3	88.50
			120	PB3MTR2AABV7	76.50	PB3MSR2AABV7	88.50
	Knob	Transformer 50/60HZ	120	PB3NTR2AABT1	88.20	PB3NUR2AABT1	100.20
			240	PB3NTR2AABT2	88.20	PB3NUR2AABT2	100.20
			480	PB3NTR2AABT3	88.20	PB3NUR2AABT3	100.20
		Full Voltage AC/DC	12	PB3NTR2AABV2	76.50	PB3NUR2AABV2	88.50
			24	PB3NTR2AABV3	76.50	PB3NUR2AABV3	88.50
			120	PB3NTR2AABV7	76.50	PB3NUR2AABV7	88.50

### Handle Color Table

Color®	Catalog Letter Designation	
	Non-Illuminated	Illuminated
Black	H	...
Light Gray	L	...
Red	R	...
Green	G	...
Yellow	Y	...

Color	Designation
Blue	B
White	W
Orange/Amber	A
Clear	...

① Key operated switches available in Black Only.

### Lever Throw

Type	2 Position		3 Position	
	45°	30°	45°	30°
Maintained	✓	✓	✓	✓
Spring Return	✓	✓	✓	✓
Key Operated	✓	✓	✓	✓



### 3 Position Selector Switches Non-Illuminated

PB3/PB4 22.5mm NEMA Type 4, 4X, 13  
Complete Assembled Units

**Complete Units** – have Black swing knobs as standard. If a different color is required, select the catalog letter from the Handle Color Table and substitute it for the SHADED letter in the catalog number.

**PB3/PB4** – If PB4 is desired, substitute "PB4" in place of "PB3" in the catalog number listed.

**Legend Plates** – The price for a complete assembled unit does NOT include a legend plate. If desired, select from page 16. Order legend plates separately at **\$1.80** list each.

Switch Sequence L C R	Type Of Operator (Black Handle)	Maintained		Spring Return Left To Center	Spring Return Right To Center	Spring Return Both To Center	List Price
		Catalog Number	List Price	Catalog Number	Catalog Number	Catalog Number	
X O O O O X	Swing Lever Knob Key Left Operated, Center Locking & Key Right Removal All Position Left and Center Right and Center Left and Right	PB3JEH1AAA5 PB3JHH1AAA5 PB3KHH1AAA5 PB3KJH1AAA5 PB3KKH1AAA5 PB3KPH1AAA5 PB3KLH1AAA5 PB3KMH1AAA5 PB3KIH1AAA5	\$40.20 40.20 76.20 76.20 76.20 76.20 76.20 76.20 76.20	PB3JSH1AAA5 PB3JTH1AAA5 PB3LYH1AAA5 PB3LUH1AAA5 PB3LKH1AAA5	PB3JVH1AAA5 PB3JWH1AAA5 PB3LWH1AAA5 PB3LXH1AAA5 PB3LJH1AAA5	PB3JYH1AAA5 PB3KAH1AAA5 PB3LHH1AAA5	\$ 52.20 52.20 88.20 88.20 88.20 88.20 88.20 88.20 88.20
O X X X X O	Swing Lever Knob Key Left Operated, Center Locking & Key Right Removal All Position Left and Center Right and Center Left and Right	PB3JEH1AB1B PB3JHH1AB1B PB3KHH1AB1B PB3KJH1AB1B PB3KKH1AB1B PB3KPH1AB1B PB3KLH1AB1B PB3KMH1AB1B PB3KIH1AB1B	\$40.20 40.20 76.20 76.20 76.20 76.20 76.20 76.20 76.20	PB3JSH1AB1B PB3JTH1AB1B PB3LYH1AB1B PB3LUH1AB1B PB3LKH1AB1B	PB3JVH1AB1B PB3JWH1AB1B PB3LWH1AB1B PB3LXH1AB1B PB3LJH1AB1B	PB3JYH1AB1B PB3KAH1AB1B PB3LHH1AB1B	\$ 52.20 52.20 88.20 88.20 88.20 88.20 88.20 88.20 88.20
O O X O X X	Swing Lever Knob Key Left Operated, Center Locking & Key Right Removal All Position Left and Center Right and Center Left and Right	PB3JEH1AAB PB3JHH1AAB PB3KHH1AAB PB3KJH1AAB PB3KKH1AAB PB3KPH1AAB PB3KLH1AAB PB3KMH1AAB PB3KIH1AAB	\$40.20 40.20 76.20 76.20 76.20 76.20 76.20 76.20 76.20	PB3JSH1AAB PB3JTH1AAB PB3LYH1AAB PB3LUH1AAB PB3LKH1AAB	PB3JVH1AAB PB3JWH1AAB PB3LWH1AAB PB3LXH1AAB PB3LJH1AAB	PB3JYH1AAB PB3KAH1AAB PB3LHH1AAB	\$ 52.20 52.20 52.20 88.20 88.20 88.20 88.20 88.20 88.20
X O O X X O O O X O X X	Swing Lever Knob Key Left Operated, Center Locking & Key Right Removal All Position Left and Center Right and Center Left and Right	PB3JEH1AF1Q1 PB3JHH1AF1Q1 PB3KHH1AF1Q1 PB3KJH1AF1Q1 PB3KKH1AF1Q1 PB3KPH1AF1Q1 PB3KLH1AF1Q1 PB3KMH1AF1Q1 PB3KIH1AF1Q1	\$58.20 58.20 94.20 94.20 94.20 94.20 94.20 94.20 94.20	PB3JSH1AF1Q1 PB3JTH1AF1Q1 PB3LYH1AF1Q1 PB3LUH1AF1Q1 PB3LKH1AF1Q1	PB3JVH1AF1Q1 PB3JWH1AF1Q1 PB3LWH1AF1Q1 PB3LXH1AF1Q1 PB3LJH1AF1Q1	PB3JYH1AF1Q1 PB3KAH1AF1Q1 PB3LHH1AF1Q1	\$ 70.20 70.20 106.20 106.20 106.20 106.20 106.20 106.20 106.20

#### Handle Color Table

Non-Illuminated Color	Catalog Letter Designation
Black	H
Light Gray	L
Red	R
Green	G
Yellow	Y
Blue	B
White	W
Orange	A

#### Lever Throw

Type	2 Position	3 Position
Maintained	✓ 45°	45° ✓ 45°
Spring Return	✓ 30°	30° ✓ 30°
Key Operated	✓ 60°	30° ✓ 30°

① Key operated switches available in Black only.



### 3 Position Selector Switches Illuminated

PB3/PB4 22.5mm NEMA Type 4, 4X, 13  
Complete Assembled Units

**Complete Units** – have Black swing knobs as standard. If a different color is required, select the catalog letter from the Handle Color Table and substitute it for the SHADED letter in the catalog number.

**PB3/PB4** – If PB4 is desired, substitute "PB4" in place of "PB3" in the catalog number listed.

**Legend Plates** – The price for a complete assembled unit does NOT include a legend plate. If desired, select from page 16. Order legend plates separately at \$1.80 list each.

Switch Sequence L C R	Type Of Operator (Red Shown)	Illumination Unit		Maintained	List Price	Spring Return Left To Center	Spring Return Right To Center	Spring Return Both To Center	List Price
		Type	Volts	Catalog Number		Catalog Number	Catalog Number	Catalog Number	
X O O O O X O O X O X X	Swing Lever	Transformer 60/50 Hz	120	PB3MWR1AAA5T1	\$ 88.20	PB3MUR1AAA5T1	PB3MUR1AAA5T1	PB3NBR1AAA5T1	\$100.20
			240	PB3MWR1AAA5T2	88.20	PB3MUR1AAA5T2	PB3MUR1AAA5T2	PB3NBR1AAA5T2	100.20
			480	PB3MWR1AAA5T3	88.20	PB3MUR1AAA5T3	PB3MUR1AAA5T3	PB3NBR1AAA5T3	100.20
		Full Voltage AC/DC	12	PB3MWR1AAA5V2	76.50	PB3MUR1AAA5V2	PB3MUR1AAA5V2	PB3NBR1AAA5V2	88.50
			24	PB3MWR1AAA5V3	76.50	PB3MUR1AAA5V3	PB3MUR1AAA5V3	PB3NBR1AAA5V3	88.50
			120	PB3MWR1AAA5V7	76.20	PB3MUR1AAA5V7	PB3MUR1AAA5V7	PB3NBR1AAA5V7	88.50
	Knob	Transformer 60/50 Hz	120	PB3NYR1AAA5T1	88.20	PB3NVR1AAA5T1	PB3NVR1AAA5T1	PB3NWR1AAA5T1	100.20
			240	PB3NYR1AAA5T2	88.20	PB3NVR1AAA5T2	PB3NVR1AAA5T2	PB3NWR1AAA5T2	100.20
			480	PB3NYR1AAA5T3	88.20	PB3NVR1AAA5T3	PB3NVR1AAA5T3	PB3NWR1AAA5T3	100.20
		Full Voltage AC/DC	12	PB3NYR1AAA5V2	76.50	PB3NVR1AAA5V2	PB3NVR1AAA5V2	PB3NWR1AAA5V2	88.50
			24	PB3NYR1AAA5V3	76.50	PB3NVR1AAA5V3	PB3NVR1AAA5V3	PB3NWR1AAA5V3	88.50
			120	PB3NYR1AAA5V7	76.20	PB3NVR1AAA5V7	PB3NVR1AAA5V7	PB3NWR1AAA5V7	88.50
X O O X X O O O X O X X	Swing Lever	Transformer 60/50 Hz	120	PB3MWR1AF1Q1T1	106.20	PB3MUR1AF1Q1T1	PB3MUR1AF1Q1T1	PB3NBR1AF1Q1T1	118.20
			240	PB3MWR1AF1Q1T2	106.20	PB3MUR1AF1Q1T2	PB3MUR1AF1Q1T2	PB3NBR1AF1Q1T2	118.20
			480	PB3MWR1AF1Q1T3	106.20	PB3MUR1AF1Q1T3	PB3MUR1AF1Q1T3	PB3NBR1AF1Q1T3	118.20
		Full Voltage AC/DC	12	PB3MWR1AF1Q1V2	94.50	PB3MUR1AF1Q1V2	PB3MUR1AF1Q1V2	PB3NBR1AF1Q1V2	106.50
			24	PB3MWR1AF1Q1V3	94.50	PB3MUR1AF1Q1V3	PB3MUR1AF1Q1V3	PB3NBR1AF1Q1V3	106.50
			120	PB3MWR1AF1Q1V7	94.50	PB3MUR1AF1Q1V7	PB3MUR1AF1Q1V7	PB3NBR1AF1Q1V7	106.50
	Knob	Transformer 60/50 Hz	120	PB3NYR1AF1Q1T1	106.20	PB3NVR1AF1Q1T1	PB3NVR1AF1Q1T1	PB3NWR1AF1Q1T1	118.20
			240	PB3NYR1AF1Q1T2	106.20	PB3NVR1AF1Q1T2	PB3NVR1AF1Q1T2	PB3NWR1AF1Q1T2	118.20
			480	PB3NYR1AF1Q1T3	106.20	PB3NVR1AF1Q1T3	PB3NVR1AF1Q1T3	PB3NWR1AF1Q1T3	118.20
		Full Voltage AC/DC	12	PB3NYR1AF1Q1V2	94.50	PB3NVR1AF1Q1V2	PB3NVR1AF1Q1V2	PB3NWR1AF1Q1C2	106.50
			24	PB3NYR1AF1Q1V3	94.50	PB3NVR1AF1Q1V3	PB3NVR1AF1Q1V3	PB3NWR1AF1Q1V3	106.50
			120	PB3NYR1AF1Q1V7	94.50	PB3NVR1AF1Q1V7	PB3NVR1AF1Q1V7	PB3NWR1AF1Q1V7	106.50

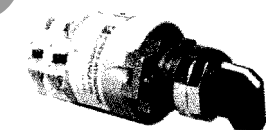
### Selector Switches – 4 Position, Non-Illuminated

Number of Poles	Circuit Number	Operator Position O = Open, X = Closed	Type of Operator	Maintained Position	List Price	Lever Throw
				Catalog Number		
4 Pole	1-2 3-4 5-6 7-8		Swing Lever	PB3JFH4CF1Q1	\$38.80	

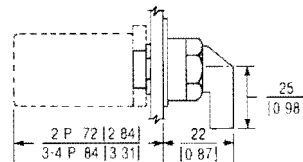
### Handle Color Table

Color	Catalog Letter Designation
Non-Illuminated	
Black	H
Light Gray	L
Red	R
Green	G
Yellow	Y
Blue	B
White	W
Orange/Amber	A
Clear	—

### Dimensions – Multiple Pole Selector Switches with Rotary Cam-Switches

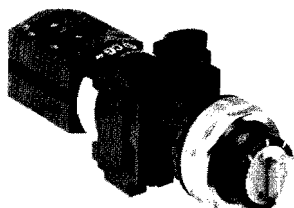


Swing Lever

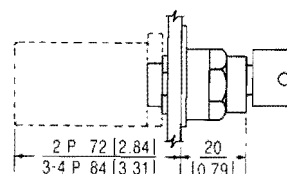


mm (inches)

Ship. Wt. 3.6 oz.



Key Operated



Ship. Wt. 3.6 oz.

Ⓢ Key operated switches are available in Black only.



## 2 and 3 Position Selector Switches

PB3/PB4 22.5mm NEMA Type 4, 4X, 13  
Unassembled Components


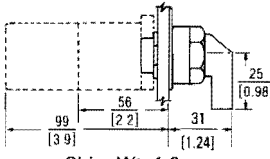

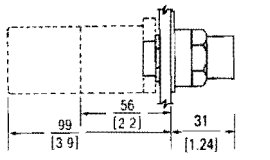
### Operators

The Selector Switch Operators shown below are for PB3 operators. For PB4, substitute "PB4" in place of "PB3" in the catalog number listed. Color options are available for both PB3 and PB4. Standard colors for non-


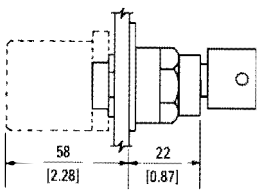
illuminated operators are black for PB3 and GRAY for PB4. For illuminated operators, the standard color is RED. If a different color is required, select the catalog letter from the Handle Color Table and substitute it for the SHADED letter in the catalog number. All

Selector Switch Operators listed below will accept up to 2 contact blocks (i.e. 2 circuits). For additional circuits, see Rotary Cam-Switches on page 14.

### Selector Switches — 2 Position and 3 Position, Unassembled Operators

Type of Operator	Operating Mode	Catalog Numbers — 2 Position		Catalog Numbers — 3 Position		List Price	Dimensions mm (inches)
		Non-Illuminated	Illuminated	Non-Illuminated	Illuminated		
<b>Swing Lever</b>   <b>PB3JEH1A</b>	Maintained	..... PB3JDH2A	..... PB3MTR2A	PB3JEH1A PB3JEH2A	PB3MWR1A PB3MWR2A	\$22.20 22.20	 99 [3.9] 56 [2.2] 31 [1.24] 25 [0.98] Ship. Wt. 1.6 oz.
	Spring Return Left to Center	.....	.....	PB3JSH1A PB3JSH2A	PB3MUR1A PB3MUR2A	34.20 34.20	
	Spring Return Both to Center	.....	.....	PB3JYH1A PB3JYH2A	PB3NBR1A PB3NBR2A	34.20 34.20	
	Spring Return Right to Center	..... PB3JPH2A	..... PB3JLR2A	PB3JVH1A PB3JVH2A	PB3MXR1A PB3MXR2A	34.20 34.20	
<b>Knob</b>   <b>PB3JHH1A</b>	Maintained	..... PB3JGH2A	..... PB3NTR2A	PB3JHH1A PB3JHH2A	PB3NYR1A PB3NYR2A	22.20 22.20	 99 [3.9] 56 [2.2] 31 [1.24] Ship. Wt. 1.6 oz.
	Spring Return Left to Center	.....	.....	PB3JTH1A PB3JTH2A	PB3NVR1A PB3NVR2A	34.20 34.20	
	Spring Return Both to Center	.....	.....	PB3KAH1A PB3KAH2A	PB3NWR1A PB3NWR2A	34.20 34.20	
	Spring Return Right to Center	..... PB3JQH2A	..... PB3NUR2A	PB3JWH1A PB3JWH2A	PB3NXR1A PB3NXR2A	34.20 34.20	

### Selector Switches — 2 Position and 3 Position Key Operated, Unassembled Operators

Operating Mode	2 Position	3 Position	List Price	Dimensions mm (inches)	
					Catalog Numbers
<b>Key Operated</b>   <b>PB3KEH2A</b>	Maintained Key Removal Positions			 58 [2.28] 22 [0.87] Ship. Wt. 2.7 oz.	
	Left	.....	PB3KHH1A		\$58.20
	Center	PB3KEH2A	PB3KJH1A		58.20
	Right	PB3KFH2A	PB3KKH1A		58.20
	All	PB3KGH2A	PB3KPH1A		58.20
	Left & Center	.....	PB3KLH1A		58.20
Left & Right	.....	PB3KIH1A	58.20		
Right & Center	PB3KGH2A	PB3KMH1A	58.20		
Spring Return Key Removal Positions	2 Position	3 Position		List Price	
	Spring Ret. from Right	Spring Return from Right	Spring Return from Left		Spring Return from Both
Left	.....	PB3LWH1A	.....	\$70.20	
Center	PB3LGH2A	PB3LXH1A	PB3LYH1A	PB3LLH1A	70.20
Right	.....	.....	PB3LUH1A	.....	70.20
Left & Center	.....	PB3LJH1A	.....	.....	70.20
Right & Center	.....	.....	PB3LKH1A	.....	70.20

### Contact Block Selection

Circuit Operation					Contact Block Mounting Position (Viewed from Rear)			Contact Block		List Price
2 Position		3 Position			Left	Center	Right	Catalog Number		
Center	Right	Left	Center	Right						
X	O	X	O	O	N.C.	..	..	PB3B (N.C.)	\$9.00	
O	X	O	X	X	..	..	N.C.			
O	X	O	O	X	N.O.	..	..	PB3A (N.O.)	9.00	
X	O	X	O	O	..	..	N.O.			

### Handles Only, 2 and 3 Position Selector Switches

Style	Catalog Numbers										List Price
	Black	Red	Green	Yellow	Blue	Orange	White	Gray	Clear		
2 Position Swing Lever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$4.20
	PB3XJH	PB3XJR	PB3XJG	PB3XJY	PB3XJB	PB3XJA	PB3XJW	PB3XJL	.....	.....	
Non-Illuminated	.....	PB3WJR	PB3WJG	PB3WJY	PB3WJB	PB3WJA	PB3WJW	.....	.....	PB3WJC	4.20
Knob	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.20
	PB3XKH	PB3XKR	PB3XKG	PB3XKY	PB3XKB	PB3XKA	PB3XKW	PB3XKL	.....	.....	
Non-Illuminated	.....	PB3WKR	PB3WKG	PB3WKY	PB3WKB	PB3WKA	PB3WKW	.....	.....	PB3WKC	4.20
3 Position Swing Lever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.20
	PB3XLH	PB3XLR	PB3XLG	PB3XLY	PB3XLB	PB3XLA	PB3XLW	PB3XLL	.....	.....	
Non-Illuminated	.....	PB3WLR	PB3WLG	PB3WLY	PB3WLB	PB3WLA	PB3WLW	.....	.....	PB3WLC	4.20
Knob	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.20
	PB3XMH	PB3XMR	PB3XMG	PB3XMY	PB3XMB	PB3XMA	PB3XMW	PB3XML	.....	.....	
Non-Illuminated	.....	PB3WMR	PB3WMG	PB3WMY	PB3WMB	PB3WMA	PB3MMW	.....	.....	PB3WMC	4.20
Illuminated	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.20

## Legend Plates

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

PB3 legend plates are available in two sizes (Standard and Space Saver) and can be ordered in aluminum or plastic. Plastic legend plates are available in laminated versions.

Aluminum legend plates have a plastisol backing to help prevent rotation of the operator when installed in an unnotched mounting hole. Aluminum legend plates provide a NEMA 4-13 rating.

Plastic legends are available in three background colors provided by one style that is reversible (either side can be engraved).



Special Purpose Legend - 70mm



Space Saver Size  
Aluminum



Space Saver Size  
Reversible Plastic



Standard Size  
Reversible Plastic

### Legend plate style numbers and list prices.

To complete the style number for a legend plate, add the style number suffix desired to the base style number listed below.①

Field Color	Standard 40 mm x 45 mm	Space Saver 30 mm x 45 mm	Legend	Style Number Suffix①	Legend	Style Number Suffix①
	Style Number	Style Number				
<b>Aluminum②</b>						
Black Letters . . . . .	269P741①	269P745①	Blank	H01	Local — Remote	H95
<b>Plastic</b>						
Black with White Letters . . . . .	269P742①	269P746①	Close	H02	Low Speed	H68
Red with White Letters . . . . .	269P743①	269P747①	Down	H03	Motor Run	H59
White with Black Letters . . . . .	269P744①		Fast	H05	Motor Stop	H60
			Forward	H07	Off — Auto	H39
			High	H08	On — Off	H42
			In	H09	Off — On	H41
			Inch	H10	Open — Close	H43
			Jog	H11	Open — Off — Close	H84
			Low	H13	Power On	H61
			Lower	H14	Push to Stop Pull to Start	H75
			Off	H15	Raise — Lower	H79
			On	H16	Raise — Off — Lower	H88
			Open	H69	Reverse — Forward	H44
			Out	H17	Run — Jog	H37
			Raise	H18	Safe — Run	H46
			Ready	H19	Slow — Fast	H80
			Reset	H20	Slow — Off — Fast	H89
			Reverse	H21	Start — Jog	H67
			Run	H23	Start — Stop	H48
			Safe	H24	Stop — Start	H49
			Slow	H25	Up — Down	H50
			Start	H27	Fast — Slow — Off — Auto	H97
			Stop	H28	Clamp	H64
			Test	H29	Decrease	H70
			Up	H30	Faster	H06
			Auto — Off — Hand	H31	Feed Traverse	H57
			Emergency Stop	H04	Feeder Off	H74
			Feed Start	H76	Feeder On	H73
			Feed Stop	H78	High — Off — Low	H90
			Forward — Off — Reverse	H82	Increase	H71
			Forward — Reverse	H32	Left	H12
			Full Speed	H58	On — Stop — Safe	H87
			Hand — Auto	H33	Right	H22
			Hand — Off — Auto	H34	Run — Jog	H37
			High — Off — Low	H90	Run — Off — Inch	H45
			High — Low	H35	Slower	H26
			Jog Forward	H65	Speed	H77
			Jog Reverse	H66	Transfer	H63
			Jog — Stop — Run	H81	Trip	H62
			Left — Right	H38	Up — Off — Down	H86

### List Price Table — Standard Legends Plates

Type of Legend	Size	List Price
Aluminum	Standard, Space Saver	\$1.80
Plastic — Laminated	Standard, Space Saver	1.80
Large Yellow Legend Plate	45 mm, 70 mm Round	1.80
Large Yellow Legend Plate Engraved "Emergency Stop"	70 mm Round	7.80

### Blackening Stick

Solution blackens aluminum exposed by engraving process. Must be applied immediately after engraving. 2 oz. bottle — sufficient for approximately 750 legend plates.

Catalog No. PB1VV	List Price \$15.00
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### Special Purpose Legend Plates —

Type of Legend Plate	Size	Style Number
Round — Yellow	45 mm	269P731①
Round — Yellow	70 mm	269P732●
Round — Yellow: Engraved "Emergency Stop"	70 mm	269P732H04

① Example: For a Standard size Black Aluminum legend plate, engraved "Test", order Style No. 269P741H29.

② When field-engraving aluminum plates, PB1VV Legend Plate Blackening Solution is required.





### Legend Plates

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

**Standard legends**, listed on the previous page, are based on a standard format using all capital (block form) letters, 1/8 inch in height. Standard legends based on the appropriate format (shown below) are **\$1.80** list.

For **custom legend plates**, including legends with title lines and any legends not listed with the standard legend plates on the preceding page, order by specifying the base style number (e.g. style 269P741 for standard size, black, aluminum), legend description, and the format desired by Figure Number (1-4) from the list below. Custom legend plates are **\$5.20** list each.



**Miniature Legend**  
Style 269P742H82

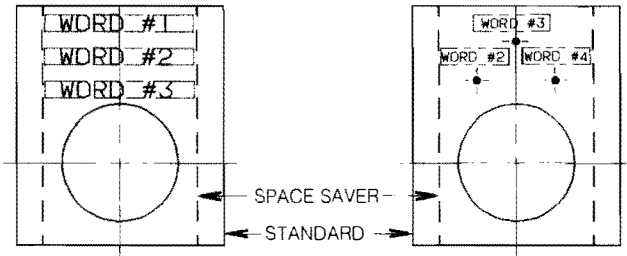


Figure — 1

Figure — 2

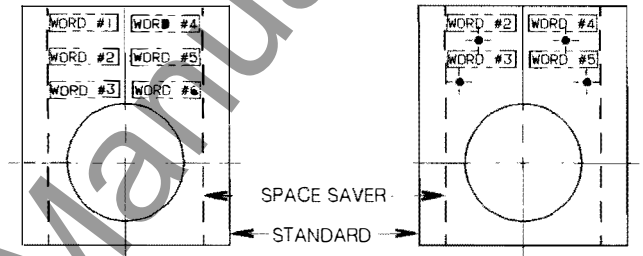


Figure — 3

Figure — 4


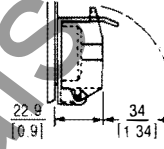

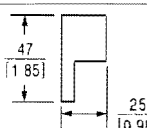

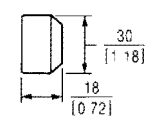


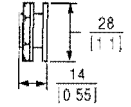

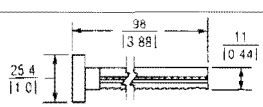
**Further Information**  
Selling Policy 25000  
Accessories, Pages 18, 19  
Discount Symbol C10-S6

**Accessories**

Pushbuttons, Selector Switches, Indicating Lites  
PB3/PB4 22.5mm NEMA Type 4, 4X, 13



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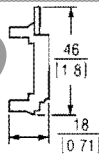

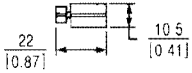


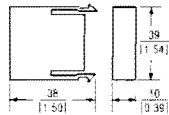



	Description	Catalog Number	List Price	Dimensions mm (in.)
<b>Padlock Attachments</b>				
	<b>Padlockable Transparent Cover</b> — Suitable for use with 25 mm Flush and Extended Pushbutton operators only. . . . .	PB3PU	<b>\$18.00</b>	
	<b>Padlockable Transparent Cover</b> — Suitable for use with 25 mm Extended Pushbutton operators only. Enables NC circuit to be held open. . . . . These padlock attachments are for use with 1/4 inch diameter shackle to deter unauthorized operation of magnetic controllers.	PB3PV	<b>18.00</b>	
<b>Shroud</b>				
	<b>Mushroom Shroud</b> — Protects against inadvertent operation. Chrome plated brass. Suitable for all operators up to 40 mm Diameter. . . . .	PB3XT	<b>\$30.00</b>	
	Rubber boots can be used to exclude dust, water and ice. Meets NEMA 4 requirements with PB3 when used with Stainless Steel NEMA 4 enclosure and NEMA 4X requirements with PB4 when used with non-metallic, corrosion resistant NEMA 4X enclosure. <b>Protective Boot</b> — Silicon Rubber. For use with 25 mm Diameter Flush and Extended pushbutton operators only — Red . . . . . Green . . . . . Black . . . . . Clear . . . . .	PB3PRR PB3PRG PB3PRK PB3PRC	<b>\$ 12.00</b>	
<b>Spare Key</b>				
	For key operated devices — Standard Lock . . . . . Non-Std. Lock . . . . . Non-Std. Lock . . . . .	PB3VY2 PB3VY3 PB3VY4	<b>\$ 7.50</b> <b>15.00</b> <b>15.00</b>	<b>Note:</b> Key operated pushbuttons and selector switches are available with non-standard keys and locks. Spare keys are available for both standard and non-standard locks.
<b>Hole Plug</b>				
	Black nylon oil and watertight seal for unused panel holes — NEMA 4-13 . . . . .	PB3YT	<b>\$ 9.00</b>	
<b>Mechanical Push Rod</b>				
	For use with all non-illuminated pushbutton and momentary mushroom head operators. Suitable for external mechanical reset of overload relays. Must be cut to proper length . . . . .	PB3RR	<b>\$13.20</b>	
<b>Legend Plate Blackening Solution</b>				
Size 2 fluid ounces	Darkens newly engraved characters. . . . .	PB1VV	<b>\$15.00</b>	
<b>OEM 22mm Device Panel</b>				
	2 position 22mm device panel Fit same cut-out size as Advantage control module . . . . .	PB3XDPV02	<b>\$12.50</b>	

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### Accessories

Pushbuttons, Selector Switches, Indicating Lites  
PB3/PB4 22.5mm NEMA Type 4, 4X, 13

	Description	Catalog Number	List Price	Dimensions mm (in.)
<b>Mounting Adapter</b>				
	Supplied as standard with operators. Provides contact block and light unit mounting. Order for replacement or to retrofit new contact blocks to existing PB3 operators. . . . .	PB3RA	\$ 1.80	
<b>Operator Plug</b>				
	Must be inserted into rear of momentary action pushbutton and mushroom head operators when 3rd Contact Block is installed in center position. Not to be used with maintained action or illuminated operators. Minimum order quantity 10 pieces . . . . .	PB3PG	\$ 1.20	
<b>Metal Locating Ring</b>				
	Provides additional anti-rotation features when using optional panel mounting hole notch. . . . .	PB3XX	\$ 0.85	
<b>Contact Blocks</b>				
	300 V clearance — 1 NO . . . . . 1 NC . . . . . 1 NO Early Make . . . . . 1 NC Late Break . . . . . 1 NO, 1 NC Double Circuit . . . . .	PB3A PB3B PB3C PB3D PB3AB	\$ 9.00 9.00 9.00 9.00 18.00	
<b>Lamp Installer</b>				
	Used to install or replace lamps. . . . .	PB3XA	\$ 3.00	
<b>Wrench</b>				
	Used to tighten octagonal clamp rings. Wrench is double ended for both PB3/PB4 (miniature) and PB1/PB2 (standard size) clamp rings. . . . .	PB3XQ	\$18.00	
<b>Octagonal Clamping</b>				
	Plastic Clamp Ring . . . . . Metal Extended Full Shroud . . . . .	PB4XZ PB43XW	\$ 3.00 3.00	


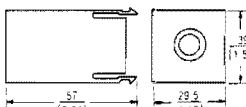
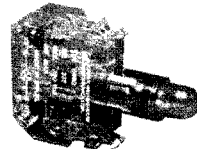
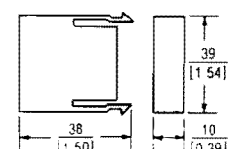
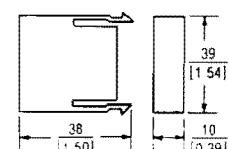


## Contact Blocks and Light Units

PB3/PB4 22.5mm NEMA Type 4, 4X, 13

### List Prices and Catalog Numbers

#### Light Units — Components

Type	Overall Dimensions mm (in.)	Description	Supply Voltage		Catalog Number	List Price	Replacement Lamp — T3½ Bayonet Base				
			60 Hz	50 Hz			Volts	Watts	Style Number	List Price	
<b>Transformer</b> 	 Ship Wt. 3.3 oz.	Transformer Ac Only	120	110	PB3T1	\$48.00	6	0.9	13D1365H10	\$4.80	
			240	220	PB3T2	48.00	6	0.9	13D1365H10	4.80	
			415	380	PB3T8	48.00	6	0.9	13D1365H10	4.80	
			480	440	PB3T3	48.00	6	0.9	13D1365H10	4.80	
<b>Full Voltage</b> 	 Ship Wt. 0.5 oz.	Full Voltage Ac/Dc	6		PB3V1	36.00	6	0.7	13D1365H10	4.80	
			12		PB3V2	36.00	12	0.9	764A614H02	4.80	
			24		PB3V3	36.00	24	1.2	764A614H03	4.80	
			48/50		PB3V5	36.00	48	0.9	764A614H04	4.80	
			120		PB3V7	36.00	120	2.6	764A614H07	4.80	
			Unit w/o Lamp		PB3V	33.00	..	..	.....	....	
		LED <sup>①</sup> Full Voltage  (Available in Red, Green and Amber Only)			Supply Voltage		Catalog Number	List Price	LED Color <sup>②</sup>	Style Number <sup>②</sup>	List Price
					6 Ac/Dc		PB3Z1R	\$48.00	Red	6716C44G02	\$18.00
					6 Ac/Dc		PB3Z1G	48.00	Green	6716C44G12	18.00
					6 Ac/Dc		PB3Z1A	48.00	Amber	6716C44G22	18.00
					12 Ac/Dc		PB3Z2R	48.00	Red	6716C44G04	18.00
					12 Ac/Dc		PB3Z2G	48.00	Green	6716C44G14	18.00
					12 Ac/Dc		PB3Z2A	48.00	Amber	6716C44G24	18.00
					24 Ac/Dc		PB3Z3R	48.00	Red	6716C44G06	18.00
					24 Ac/Dc		PB3Z3G	48.00	Green	6716C44G16	18.00
24 Ac/Dc		PB3Z3A	48.00	Amber	6716C44G26	18.00					
48 Ac/Dc		PB3Z5R	48.00	Red	6716C44G08	18.00					
48 Ac/Dc		PB3Z5G	48.00	Green	6716C44G18	18.00					
48 Ac/Dc		PB3Z5A	48.00	Amber	6716C44G28	18.00					
120 Ac/Dc		PB3Z7R	48.00	Red	6716C44G10	18.00					
120 Ac/Dc		PB3Z7G	48.00	Green	6716C44G20	18.00					
120 Ac/Dc		PB3Z7A	48.00	Amber	6716C44G30	18.00					

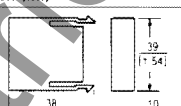
① Should be used with matching color lens.

② Can be used with PB3V, unit without lamp, to make complete LED light unit.

**Contact Blocks** — Up to 3 blocks (i.e. circuits) can be used with momentary pushbuttons and mushroom head operators. If a contact block is used in the Center mounting position, an Operator Plug, Cat. No. PB3PG, must be

installed. Up to 2 contact blocks (using Right and Left mounting positions) may be used on Twist-Release and Key Operated pushbuttons, push/pull operators, and all selector switches. When used with illuminated operators,

contact blocks must be mounted on the Right or Left of Full Voltage Light Units or behind Transformer Light Units, a maximum of two in either case.

Description	Catalog Number	List Price	Dimensions mm (in.)
1 NO	PB3A	\$ 9.00	
1 NC	PB3B	9.00	
1 NO Early Make	PB3C	9.00	
1 NC Late Break	PB3D	9.00	
1 NO, 1 NC Double Circuit	PB3AB	18.00	

Contact Block

#### Contact Ratings

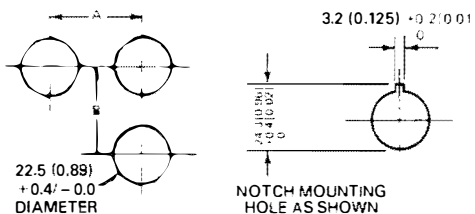
UL Designation	Voltage	Make (Amps)	Break (Amps)	Continuous Current (Amps)
A600	120VAC	60	6.0	10
	240VAC	30	3.0	10
	480VAC	15	1.5	10
	600VAC	12	1.2	10
Q600	125VAC	0.55	0.55	2.5
	250VAC	0.27	0.27	2.5
	440VAC	0.10	0.10	2.5
	600VAC	0.10	0.10	2.5

#### Panel Layout — Minimum Spacing

Operator	Dimensions in mm (in.) — Minimum	
	A	B
Operators up to 30 mm (1.18 in.) Dia. including Knob and Key Operated Selector Switches.	30 (1.18)	50 (1.97)
Lever Operated Selector Switches and all 40 mm (1.57) Dia. Operators	45 (1.77)	50 (1.97)
30 – 40 mm (1.18 – 1.57) Dia. Operators	45 (1.77)	50 (1.97)
50 mm (1.97 in.) Dia. Operators	55 (2.16)	55 (2.16)
70 mm Dia. Yellow Round Legend Plate	75 (2.95)	75 (2.95)
Pushbutton Operators with Rubber Boots or Padlockable Cover.	35 (1.38)	50 (1.97)

#### Panel Layout in mm (inches)

Not to be used for construction purposes unless approved.



#### Panel Thickness

Nominal Panel Thickness with sealing washer installed is 6.8 mm (0.27 in.). Installation of some accessories will reduce panel thickness as indicated. Minimum panel thickness is 1 mm (0.04 in.). To determine maximum panel thickness, deduct the dimension (as listed in the table on the right) from 6.8 mm (or 0.27 in.) based on the accessory being used.

Accessories	Deduct Dimension Listed Below
Legend Plates — Aluminum or Plastic	1.25 mm (0.049 in.)
Locating Ring	1.50 mm (0.058 in.)
Large Yellow Round Legend Plate	1.00 mm (0.039 in.)
Padlockable Cover	1.60 mm (0.063 in.)
Rubber Boot	1.30 mm (0.051 in.)