

Pushbutton Units and Indicator Lights

Class 50 Standard Duty Pushbutton Stations

General

Features

- Snap In Legend Inserts
- Flush and Surface Mounted Types
- Convertible Selector
- Double Break Contacts
- Dual Voltage Pilot Light with Snap In Lens
- Conversion Kits
- UL Listed File #E22655
- CSA Certified File #LR6535

Application

Standard duty control stations are used with magnetic controllers to control the starting, stopping, reversing or speed of applicable motors.

Stations are assembled of one, two or three push button, selector switch or pilot light units in a variety of combinations to provide compact control units for remote control of magnetic starters and contactors.

Station enclosures are available in Type 1 surface mounted, 1B flush plate mounted and 4 watertight.

Features

Type 1 surface mounted bases are constructed of 14 gauge sheet steel, primed and finished in baked gray enamel. The base is predrilled to receive a variety of contact blocks, pilot lights and accessory devices. Covers are of 20 gauge sheet steel, wrap-around construction, primed and finished in baked gray enamel. Furnas Type 4 watertight heavy duty push button stations are supplied with a provision to padlock the stop button in the depressed position. Enclosures are predrilled and tapped for 3/4" conduit.

Contact blocks have double break, fine silver contacts with a NEMA B600 rating. Type 4 stations have a NEMA A600 rating.

The pilot light assembly is dual voltage with clearly marked pressure type terminals for 120 volt or 240 volt connection.

The lens of the pilot light snaps into the cover and is available in both red and green.

Push buttons are equipped with an operator into which a selected legend insert is snapped. Legend inserts are molded thermoplastic and come in a wide variety of legends and colors.

The selector switch operator can be instantly set for two or three positions at any time.

Mushroom Head

50ZMH mounts on any standard push button operator. The Mushroom Head is red molded thermoplastic, 1 1/2" in diameter, and provides a large operator for emergency stop or similar applications.

Mechanical Interlock

50ZAM is a base mounted zinc plate, dichromate dipped, steel assembly. When mounted in conjunction with Duplex Contact Block 50ZAC3 (one NO and one NC) the interlock prevents one contact from being closed while the other contact is closed.

Padlock Attachment Kit

50ZAL can be mounted to any Type 1 surface mounted station by the lower screw which fastens the cover to the station base. Made of heavy steel, chrome plated, the attachment provides for the padlocking of a push button in the depressed position or a selector switch in any position. When used with a push button operator, raised Legend Insert D53493003 (Red Stop) must be used.

Pendant Bracket

Adapts standard Type 1 surface mounted stations for suspension from a cable or chain. Bracket 50ZAP2 is used for one and two unit stations, 50ZAP3 for three unit stations.

Electrical Ratings

NEMA AC Ratings 50/60Hz

Nema B600 5 Continuous Amps

Volts	Make	Break
120	30	3
240	15	1.5
480	7.5	0.75
600	6	0.6
VA	3600	360

Ordering Information

- Legend Inserts see page 16-187.
- Accessories see page 16-187.



**2 Push Buttons
Surface Mounting, NEMA 1**



**2 Push Buttons
Flush Mounting, NEMA 1B**



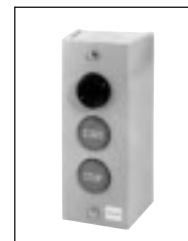
**1 Push Button
Surface Mounting**



**1 Selector Switch
Flush Mounting**



**2 Push Buttons
1 Selector Switch**



**1 Pilot Light
2 Push Buttons**

Pushbutton Units and Indicator Lights

Class 50 Standard Duty Pushbutton Stations

5A 600V AC NEMA B600

Selection and ordering data

	Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	List Price \$ 1 unit	Packs Unit
1 unit surface mount-momentary pushbutton 	A = Momentary flush pushbutton green, surface, label "START"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3D	49.00	1
	A = Momentary flush pushbutton red, surface, label "STOP"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3E	49.00	1
	A = Momentary raised pushbutton red, surface, label "STOP"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3F	49.00	1
	A = Momentary mushroom head red, surface, label "STOP"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3G	58.00	1
	A = Momentary flush pushbutton less insert, surface	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3A	47.00	1
	A = 3 position selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	2 NO 2SPST (50ZAC8)	1	50AA3C3	49.00	1
	A = 3 position selector switch, surface, label "Off-On"	NEMA 1	2 NO 2SPST (50ZAC8)	1	50AA3C6	49.00	1
	A = 2/3 selector switch, surface, multiple legends	NEMA 1	2 NO 2SPST (50ZAC8)	1	50AA3B9	49.00	1
	A = Indicator light, red, surface	NEMA 1	120/240V dual voltage 120PSB lamp	1	50BA3Y	115.00	1
	A = Indicator light, green, surface	NEMA 1	120/240V dual voltage 120PSB lamp	1	50BA3Z	115.00	1
1 unit flush mount-momentary pushbutton 	A = Indicator light, less lens, surface	NEMA 1	120/240V dual voltage 120PSB lamp	1	50BA32	109.00	1
	A = Momentary flush pushbutton green, flush, label "START"	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2D	62.00	1
	A = Momentary flush pushbutton red, flush, label "STOP"	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2E	62.00	1
	A = Momentary raised pushbutton red, flush, label "STOP"	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2F	62.00	1
	A = Momentary flush pushbutton less insert, flush	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2A	60.00	1
	A = Momentary flush pushbutton less insert, flush, chrome plate	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA6A	66.00	1
	A = 3 position selector switch, flush, label "HAND-OFF-AUTO"	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA2C3	62.00	1
	A = 3 position selector switch, flush, label "Off-On"	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA2C6	62.00	1
	A = 2/3 selector switch, multiple legends, flush	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA2B9	62.00	1
	A = 2/3 selector switch, multiple legends, chrome plate, flush	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA6B9	68.00	1
	A = Indicator light, red, flush	NEMA 1B	120/240V dual voltage	1	50BA2Y	127.00	1
	A = Indicator light, green, flush	NEMA 1B	120/240V dual voltage	1	50BA2Z	127.00	1
	A = Indicator light, less lens, flush	NEMA 1B	120/240V dual voltage	1	50BA22	121.20	1
	A = Indicator light, less lens, chrome plate, flush	NEMA 1B	120PSB lamp	1	50BA62	127.00	1
2 unit surface mount-momentary pushbutton 	B = Momentary pushbutton green, surface, label "START"	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3DE	49.00	1
	A = Momentary pushbutton red, surface, label "STOP"						
	B = Momentary pushbutton green, surface, label "START"	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3DF	49.00	1
	A = Momentary raised pushbutton red, surface, label "STOP"						
	B = Momentary pushbutton green, surface, label "START"	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3DG	64.00	1
	A = Momentary mushroom head pushbutton red, surface, label "STOP"						
	B = Momentary pushbutton, less insert, surface	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3AA	45.00	1
	A = Momentary pushbutton, less insert, surface						
	B = Momentary pushbutton, surface, label "FORWARD"	NEMA 1	2 NO (50ZAC3)	2	50DA3KL	49.00	1
	A = Momentary pushbutton, surface, label "REVERSE"						

Pushbutton Units and Indicator Lights

Class 50 Standard Duty Pushbutton Stations

5A 600V AC NEMA B600

Selection and ordering data

	Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	List Price \$	Pack
						1 unit	
2 unit surface mount-momentary pushbutton 	B = Momentary pushbutton, surface, label "OPEN" A = Momentary pushbutton, surface, label "CLOSE"	NEMA 1	2 NO (50ZAC3)	2	50DA3HJ	49.00	1
	B = Momentary pushbutton, surface, label "UP" A = Momentary pushbutton, surface, label "DOWN"	NEMA 1	2 NO (50ZAC3)	2	50DA3NP	49.00	1
	B = Momentary pushbutton, surface, less insert A = Momentary pushbutton, surface, less insert	NEMA 1	2 NO (50ZAC3)	2	50DA3AA	45.00	1
	B = Momentary pushbutton, surface, label "FORWARD" A = Momentary pushbutton, surface, label "REVERSE"	NEMA 1	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA3KL	52.00	1
	B = Momentary pushbutton, surface, label "OPEN" A = Momentary pushbutton, surface, label "CLOSE"	NEMA 1	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA3HJ	62.00	1
	B = Momentary pushbutton, surface, label "UP" A = Momentary pushbutton, surface, label "DOWN"	NEMA 1	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA3NP	62.00	1
	B = Momentary pushbutton, surface, label "ON" A = Momentary pushbutton, surface, label "OFF"	NEMA 1	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA334	62.00	1
	B = Momentary pushbutton, less insert surface A = Momentary pushbutton, less insert, surface	NEMA 1	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA3AA	58.00	1
	B = Momentary pushbutton, surface, label "FORWARD" A = Momentary pushbutton, surface, label "REVERSE"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3KL	73.00	1
	B = Momentary pushbutton, surface, label "OPEN" A = Momentary pushbutton, surface, label "CLOSE"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3HJ	73.00	1
	B = Momentary pushbutton, surface, label "UP" A = Momentary pushbutton, surface, label "DOWN"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3NP	73.00	1
	B = Momentary pushbutton, surface, label "ON" A = Momentary pushbutton, surface, label "OFF"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA334	73.00	1
2 unit flush mount-momentary pushbutton 	B = Momentary pushbutton, surface, less insert A = Momentary pushbutton, surface, less insert	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3AA	69.00	1
	B = Momentary pushbutton green, flush, label "START" A = Momentary pushbutton red, flush, label "STOP"	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2DE	62.00	1
	B = Momentary pushbutton green, flush, label "START" A = Momentary raised pushbutton red, flush, label "STOP"	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2DF	62.00	1
	B = Momentary pushbutton green, flush, label "START" A = Momentary mushroom head pushbutton red, flush, label "STOP"	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2AA	58.00	1
	B = Momentary pushbutton, less insert, flush A = Momentary pushbutton, less insert, flush	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA6AA	64.00	1

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5A 600V AC NEMA B600

Selection and ordering data

	Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	List Price \$	Packs
						1 unit	
2 unit flush mount-momentary push-button 	B = Momentary pushbutton, flush, label "FORWARD" A = Momentary pushbutton, flush, label "REVERSE"	NEMA 1B	2 NO (50ZAC3)	2	50DA2KL	62.00	1
	B = Momentary pushbutton, flush, label "OPEN" A = Momentary pushbutton, flush, label "CLOSE"	NEMA 1B	2 NO (50ZAC3)	2	50DA2HJ	62.00	1
	B = Momentary pushbutton, flush, label "UP" A = Momentary pushbutton, flush, label "DOWN"	NEMA 1B	2 NO (50ZAC3)	2	50DA2NP	62.00	1
	B = Momentary pushbutton, less insert, flush A = Momentary pushbutton, less insert, flush	NEMA 1B	2 NO (50ZAC3)	2	50DA2AA	58.00	1
	B = Momentary pushbutton, less insert, chrome plate, flush A = Momentary pushbutton, less insert, chrome plate, flush	NEMA 1B	2 NO (50ZAC3)	2	50DA6AA	62.00	1
	B = Momentary pushbutton, flush, label "FORWARD" A = Momentary pushbutton, flush, label "REVERSE"	NEMA 1B	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA2KL	73.00	1
	B = Momentary pushbutton, flush, label "OPEN" A = Momentary pushbutton, flush, label "CLOSE"	NEMA 1B	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA2HJ	73.00	1
	B = Momentary pushbutton, flush, label "UP" A = Momentary pushbutton, flush, label "DOWN"	NEMA 1B	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA2NP	73.00	1
	B = Momentary pushbutton, flush, label "ON" A = Momentary pushbutton, flush, label "OFF"	NEMA 1B	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA234	73.00	1
	B = Momentary pushbutton, less insert, flush A = Momentary pushbutton, less insert, flush	NEMA 1B	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA2AA	69.00	1
	B = Momentary pushbutton, less insert, chrome plate, flush A = Momentary pushbutton, less insert, chrome plate, flush	NEMA 1B	2 NO mechanically inter-locked (50ZA3C w/ 50ZAM)	2	50RA6AA	76.00	1
	B = Momentary pushbutton, flush, label "FORWARD" A = Momentary pushbutton, flush, label "REVERSE"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2KL	86.00	1
	B = Momentary pushbutton, flush, label "OPEN" A = Momentary pushbutton, flush, label "CLOSE"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2HJ	86.00	1
	B = Momentary pushbutton, flush, label "UP" A = Momentary pushbutton, flush, label "DOWN"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2NP	86.00	1
	B = Momentary pushbutton, flush, label "ON" A = Momentary pushbutton, flush, label "OFF"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA234	86.00	1
	B = Momentary pushbutton, less insert, flush A = Momentary pushbutton, less insert, flush	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2AA	82.00	1
	B = Momentary pushbutton, less insert, chrome plate, flush A = Momentary pushbutton, less insert, chrome plate, flush	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA6AA	88.00	1

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5A 600V AC NEMA B600

Selection and ordering data

	Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	List Price \$	Pack
						1 unit	Unit
2 unit surface mount-momentary pushbutton 	B = Momentary pushbutton green, surface, label "START"	NEMA 1	1NO, 1NC (50ZAC1)	2	50FA3DC3	73.00	1
	A = Maintained selector switch, surface, label "HAND-OFF-AUTO"		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Momentary pushbutton less insert, surface	NEMA 1	1NO, 1NC (50ZAC1)	2	50FA3AB9	73.00	1
	A = Maintained selector switch, multiple legends, surface		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, red, surface	NEMA 1	120/240V dual voltage (120PSB lamp)	2	50HA3YC3	180.00	1
	A = Maintained selector switch, surface, label "HAND-OFF-AUTO"		2 NO 2SPDT w/ common jumper (50ZAC8)				
2 unit flush mount-momentary pushbutton 	B = Indicator light, red, surface	NEMA 1	120/240V dual voltage (120PSB lamp)	2	50HA32B9	180.00	1
	A = Maintained selector switch, multiple legends, surface		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, green, surface	NEMA 1	120/240V dual voltage (120PSB lamp)	2	50GA3ZY	180.00	1
	A = Indicator light, red, surface		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, less lens, surface	NEMA 1	120/240V dual voltage (120PSB lamp)	2	50GA322	168.00	1
	A = Indicator light, less lens, surface		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Momentary pushbutton green, flush, label "START"	NEMA 1B	1NO, 1NC (50ZAC1)	2	50FA2DC3	86.00	1
	A = Maintained selector switch, flush, label "HAND-OFF-AUTO"		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Momentary pushbutton less insert, flush	NEMA 1B	1NO, 1NC (50ZAC1)	2	50FA2AB9	84.00	1
	A = Maintained selector switch, multiple legends, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Momentary pushbutton less insert chrome plate, flush	NEMA 1B	1NO, 1NC (50ZAC1)	2	50FA6AB9	91.00	1
	A = Maintained selector switch, multiple legends, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, red, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50HA2YC3	189.00	1
	A = Maintained selector switch, flush, label "HAND-OFF-AUTO"		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, less lens, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50HA22B9	189.00	1
	A = Maintained selector switch, multiple legends, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, less lens, chrome plate, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50HA62B9	189.00	1
	A = Maintained selector switch, multiple legends, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
3 unit surface mount 	B = Indicator light, green, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50GA2ZY	182.00	1
	A = Indicator light, red, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, less lens, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50GA222	176.00	1
	A = Indicator light, less lens, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
	B = Indicator light, less lens, chrome plate, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50GA622	182.00	1
	A = Indicator light, less lens, chrome plate, flush		2 NO 2SPDT w/ common jumper (50ZAC8)				
	C = Momentary pushbutton, surface, label "FORWARD"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	3	50MA3KLE	98.00	1
	B = Momentary pushbutton, surface, label "REVERSE"		1NO - 1NC with common jumper (50ZAC1)				
	A = Momentary pushbutton, surface, label "STOP"						
	C = Momentary pushbutton, surface, label "UP"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	3	50MA3NPE	98.00	1
	B = Momentary pushbutton, surface, label "DOWN"		1NO - 1NC with common jumper (50ZAC1)				
	A = Momentary pushbutton, surface, label "STOP"						
	C = Momentary pushbutton, surface, label "OPEN"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	3	50MA3HJE	98.00	1
	B = Momentary pushbutton, surface, label "CLOSE"		1NO - 1NC with common jumper (50ZAC1)				
	A = Momentary pushbutton, surface, label "STOP"						

Pushbutton Units and Indicator Lights

Class 50 Standard Duty Pushbutton Stations

5A 600V AC NEMA B600

Selection and ordering data

Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	List Price \$	Pack
					1 unit	Unit
3 unit surface mount 	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3TUE	98.00	1
C = Momentary pushbutton, surface, label "FAST"						
B = Momentary pushbutton, surface, label "SLOW"						
A = Momentary pushbutton, surface, label "STOP"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3DME	98.00	1
C = Momentary pushbutton, surface, label "START"						
B = Momentary pushbutton, surface, label "JOG"						
A = Momentary pushbutton, surface, label "STOP"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3AAA	92.00	1
C = Momentary pushbutton, surface, label less insert						
B = Momentary pushbutton, surface, label less insert						
A = Momentary pushbutton, surface, label less insert	NEMA 1	1 NO, 1 NC (50ZAC2) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50LA3DEC3	148.00	1
C = Momentary pushbutton, surface, label "START"						
B = Momentary pushbutton, surface, label "STOP"						
A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	1 NO, 1 NC (50ZAC2) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50LA3AAB9	144.00	1
C = Momentary pushbutton, less insert, surface						
B = Momentary pushbutton, less insert, surface						
A = Maintained selector switch, multiple legends, surface	NEMA 1	120/240V dual voltage (120PSB lamp) 1 NO, 1 NC (50ZAC2)	3	50JA3YDE	180.00	1
C = Indicator light, red, surface						
B = Momentary pushbutton, surface, label "START"						
A = Momentary pushbutton, surface, label "STOP"	NEMA 1	120/240V dual voltage (120PSB lamp) 1 NO, 1 NC (50ZAC2)	3	50JA3ZDE	180.00	1
C = Indicator light, green, surface						
B = Momentary pushbutton, surface, label "START"						
A = Momentary pushbutton, surface, label "STOP"	NEMA 1	120/240V dual voltage (120PSB lamp) 1 NO, 1 NC (50ZAC2)	3	50JA32AA	170.00	1
C = Indicator light, less lens, surface						
B = Momentary pushbutton, less insert, surface						
A = Momentary pushbutton, less insert, surface	NEMA 1	120/240V dual voltage (120PSB lamp) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50NA3ZYC3	230.00	1
C = Indicator light, green, surface						
B = Indicator light, red, surface						
A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	120/240V dual voltage (120PSB lamp) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50NA322B9	218.00	1
C = Indicator light, less lens, surface						
B = Indicator light, less lens, surface						
A = Maintained selector switch, multiple legends, surface						

Pushbutton Units and Indicator Lights

Class 50 Standard Duty Pushbutton Stations

Heavy Duty - 10A 600V NEMA B600

Selection and ordering data



Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	List Price \$	Pack
					1 unit	Unit
A = Momentary pushbutton, surface, label "START" – Green	NEMA 4	1NO - 1NC	1	50HA1E1	213.00	1
A = Momentary pushbutton, surface, label "STOP" – Red	NEMA 4	1NO - 1NC	1	50HA1E2	213.00	1
A = Momentary pushbutton, surface, label "RESET" – Green	NEMA 4	1NO - 1NC	1	50HA1E4	213.00	1
A = Momentary pushbutton, surface, label "JOG" – Green	NEMA 4	1NO - 1NC	1	50HA1E5	213.00	1
A = Maintained selector switch, surface, label "SAFE-RUN"	NEMA 4	1NO - 1NC	1	50HA1E6	222.00	1
A = Maintained selector switch, surface, label "OFF-ON"	NEMA 4	1NO - 1NC	1	50HA1E7	222.00	1
A = Maintained selector switch, surface, label "JOG-RUN" – Green	NEMA 4	1NO - 1NC	1	50HA1E8	222.00	1
A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 4	1NO - 1NC	1	50HA1E9	222.00	1
B = Momentary pushbutton, surface, label "START" – Green	NEMA 4	1NO - 1NC	2	50HA2E1	301.00	1
A = Momentary pushbutton, surface, label "STOP" – Red		1NO - 1NC				
B = Momentary pushbutton, surface, label "FORWARD" – Green	NEMA 4	1NO - 1NC	2	50HA2E2	301.00	1
A = Momentary pushbutton, surface, label "REVERSE" – Red		1NO - 1NC				
B = Momentary pushbutton, surface, label "UP" – Green	NEMA 4	1NO - 1NC	2	50HA2E3	301.00	1
A = Momentary pushbutton, surface, label "DOWN" – Red		1NO - 1NC				
B = Momentary pushbutton, surface, label "OPEN" – Green	NEMA 4	1NO - 1NC	2	50HA2E4	301.00	1
A = Momentary pushbutton, surface, label "CLOSE" – Red		1NO - 1NC				
B = Momentary pushbutton, surface, label "FAST" – Green	NEMA 4	1NO - 1NC	2	50HA2E5	301.00	1
A = Momentary pushbutton, surface, label "SLOW" – Red		1NO - 1NC				
C = Momentary pushbutton, surface, label "FORWARD" – Green	NEMA 4	1NO - 1NC	3	50HA3E1	395.00	1
B = Momentary pushbutton, surface, label "REVERSE" – Green		1NO - 1NC				
A = Momentary pushbutton, surface, label "STOP" – Red		1NO - 1NC				
C = Momentary pushbutton, surface, label "UP" – Green	NEMA 4	1NO - 1NC	3	50HA3E2	395.00	1
B = Momentary pushbutton, surface, label "DOWN" – Green		1NO - 1NC				
A = Momentary pushbutton, surface, label "STOP" – Red		1NO - 1NC				
C = Momentary pushbutton, surface, label "OPEN" – Green	NEMA 4	1NO - 1NC	3	50HA3E3	395.00	1
B = Momentary pushbutton, surface, label "CLOSE" – Green		1NO - 1NC				
A = Momentary pushbutton, surface, label "STOP" – Red		1NO - 1NC				
C = Momentary pushbutton, surface, label "START" – Green	NEMA 4	1NO - 1NC	3	50HA3E9	395.00	1
B = Momentary pushbutton, surface, label "JOG" – Green		1NO - 1NC				
A = Momentary pushbutton, surface, label "STOP" – Red		1NO - 1NC				
C = Momentary pushbutton, surface, label "FAST" – Green	NEMA 4	1NO - 1NC	3	50HA3E4	395.00	1
B = Momentary pushbutton, surface, label "SLOW" – Green		1NO - 1NC				
A = Momentary pushbutton, surface, label "STOP" – Red		1NO - 1NC				

Pushbutton Units and Indicator Lights

Class 50 Standard Duty Pushbutton Stations

Standard Duty Station Accessories

Selection and ordering data

Legend inscription insert for snap-on mounting

Inscription	Color	Order No.	List Price \$ 1 unit	Pack Unit
Close	Orange	50D53493005	2.00	1
Down	Orange	50D53493010	2.00	1
Fast	Black	50D53493013	2.00	1
Forward	Green	50D53493006	2.00	1
High	Black	50D53493015	2.00	1
Hoist	Green	50D53493011	2.00	1
Jog	Black	50D53493008	2.00	1
Low	Black	50D53493016	2.00	1
Lower	Orange	50D53493012	2.00	1
Off	Red	50D53493018	2.00	1
On	Green	50D53493017	2.00	1
Open	Green	50D53493004	2.00	1
Reverse	Orange	50D53493007	2.00	1
Slow	Black	50D53493014	2.00	1
Start	Green	50D53493001	2.00	1
Stop	Red	50D53493002	2.00	1
Stop (raised)	Red	50D53493003	2.00	1
Up	Green	50D53493009	2.00	1

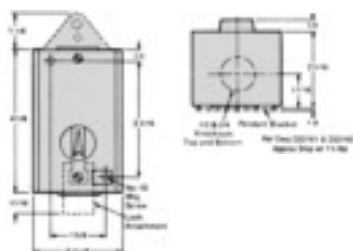
Version	Suitable for	Color	Order No.	List Price \$ 1 unit	Pack Unit
 50ZAC1	Mushroom head	Red	50ZMH	16.40	1
 50ZAC2	Padlock attachment	Used only for raised buttons	50ZAL	24.50	1
	Mechanical interlock kit		50ZAM	12.40	1
 50ZAC8	Contact blocks				
 50ZAC3	1NO, 1NC	Single button	50ZAC1	24.50	1
	2NO, 2SPST	Selector switch	50ZAC8	24.50	1
	1NO, 1NC	Two button	50ZAC2	24.50	1
	1NO, 1NO	Two button	50ZAC3	24.50	1
	Pilot light	120/240V Dual Voltage, no lens	50ZAC6	60.00	1
	Pilot light lens	Red	50ZPL01	6.20	1
		Green	50ZPL02	6.20	1
	Pendant Bracket	1 & 2 unit station	50ZAP2	8.20	1
		3 unit station	50ZAP3	8.20	1
	Replacement lamps	Class 50 type 1, 1B 120V	50D21983001	8.50	1
	Slide base, lamp type 120PSB				

Heavy Duty Station Accessories

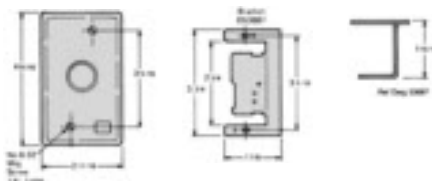
Version	Suitable for	Color	Order No.	List Price \$ 1 unit	Pack Unit
	Pushbutton caps				
	NEMA 4 control stations	Red	BHP15X	66.00	1
	NEMA 4 control stations	Black	BHP16X	66.00	1

Standard Duty - 5A 600V NEMA B600

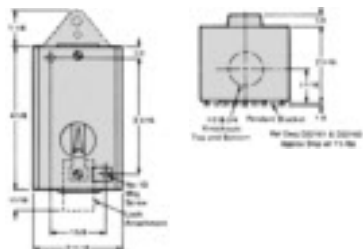
1 Unit Station Surface Mounting—Type 1



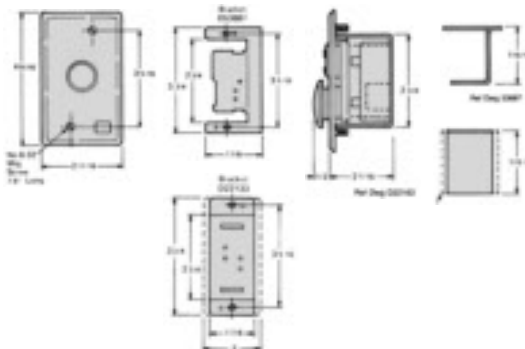
1 Unit Station Flush Mounting—Type 1B



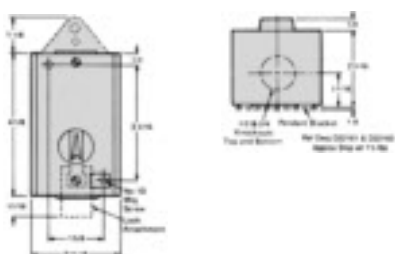
2 Pushbutton Stations Surface Mounting—Type 1



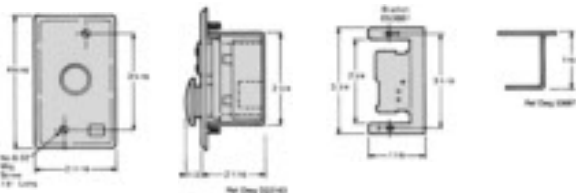
2 Pushbutton Stations Flush Mounting—Type 1B



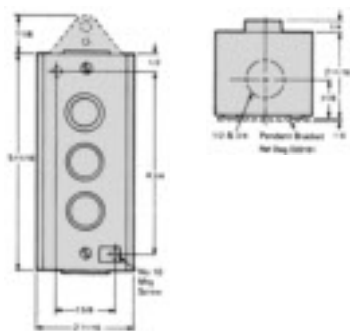
2 Unit Stations Surface Mounting—Type 1



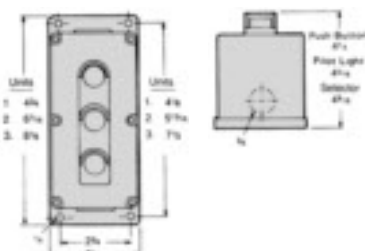
2 Unit Station Flush Mounting—Type 1B



3 Unit Stations Surface Mounting



1 Unit Stations—Type 4



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

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Pushbutton Complete Units

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)

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Push Pull Operators

Selection and ordering data

	Version	Color of actuator	Contact blocks	Order no.	List Price \$	Order no.	List Price \$	Pack Unit
2 position push-pull  52PA2A2A  52PA2ACA  52PA2V2A  52PA2W2A  52PA3W2U	2 Position Push Pull Maintained, Non Illuminated							
	Metal Mushroom Head, 1 5/8" (41.3 mm)	red	1 NC + 1 NO	52PA2A2A	98.00			1
		green	1 NC + 1 NO	52PA2A3A	98.00			
		chrome	1 NC + 1 NO	52PA2ACA	98.00			
	Small Plastic Mushroom Head, 1 5/8" (41.3 mm)	black	1 NC + 1 NO	52PA2W1A	88.00			
		red	1 NC + 1 NO	52PA2W2A	88.00			
		green	1 NC + 1 NO	52PA2W3A	88.00			
	Large Plastic Mushroom Head, 2 1/2" (63.5 mm)	black	1 NC + 1 NO	52PA2V1A	106.00			
		red	1 NC + 1 NO	52PA2V2A	106.00			
		green	1 NC + 1 NO	52PA2V3A	106.00			
	3 Position Push Pull Momentary, Non-Illuminated (Spring return to center-pull to start, push to stop)¹⁾							
	Metal Mushroom Head, 1 5/8" (41.3 mm)	red	1 NC + 1 NO	52PA3A2U	96.00			1
		green	1 NC + 1 NO	52PA3A3U	96.00			
		chrome	1 NC + 1 NO	52PA3ACU	96.00			
	Small Plastic Mushroom Head, 1 5/8" (41.3 mm)	black	1 NC + 1 NO	52PA3W1U	96.00			
		red	1 NC + 1 NO	52PA3W2U	96.00			
		green	1 NC + 1 NO	52PA3W3U	96.00			
	Large Plastic Mushroom Head, 2 1/2" (63.5 mm)	black	1 NC + 1 NO	52PA3V1U	106.00			
		red	1 NC + 1 NO	52PA3V2U	106.00			
		green	1 NC + 1 NO	52PA3V3U	106.00			
2 position push pull with fully illuminated mushroom head  52PA2D2A  52PA2DRA	2 Position Push Pull Maintained, Illuminated			Operators with incandescent lamp		Operators with LED lamp^{****2)}		
	24V Full Voltage, type 757, or 24V LED 1 3/4" (44.5 mm)	less operating head	1 NC + 1 NO	52PA2DNA	119.00	*****		1
		chrome red	1 NC + 1 NO	52PA2D2A	137.00	52PE2D2A	151.00	
		chrome green	1 NC + 1 NO	52PA2D3A	137.00	52PE2D3A	151.00	
		chrome amber	1 NC + 1 NO	52PA2D9A	137.00	52PE2D9A	151.00	
		full red	1 NC + 1 NO	52PA2DRA	137.00	52PE2DRA	151.00	
		full green	1 NC + 1 NO	52PA2DSA	137.00	52PE2DSA	151.00	
	120V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	full amber	1 NC + 1 NO	52PA2DTA	137.00	52PE2DTA	151.00	1
		less operating head	1 NC + 1 NO	52PA2GNA	119.00	*****		
		chrome red	1 NC + 1 NO	52PA2G2A	137.00	52PE2G2A	151.00	
		chrome green	1 NC + 1 NO	52PA2G3A	137.00	52PE2G3A	151.00	
		chrome amber	1 NC + 1 NO	52PA2G9A	137.00	52PE2G9A	151.00	
		full red	1 NC + 1 NO	52PA2GRA	137.00	52PE2GRA	151.00	
	240V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	full green	1 NC + 1 NO	52PA2GSA	137.00	52PE2GSA	151.00	1
		full amber	1 NC + 1 NO	52PA3GTA	137.00	52PE2GTA	151.00	
		less operating head	1 NC + 1 NO	52PA2HNA	119.00	*****		
		chrome red	1 NC + 1 NO	52PA2H2A	137.00	52PE2H2A	151.00	
		chrome green	1 NC + 1 NO	52PA2H3A	137.00	52PE2H3A	151.00	
		chrome amber	1 NC + 1 NO	52PA2H9A	137.00	52PE2H9A	151.00	
	480V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	chrome red	1 NC + 1 NO	52PA2JNA	119.00	*****		1
		chrome green	1 NC + 1 NO	52PA2J2A	137.00	52PE2J2A	151.00	
		chrome amber	1 NC + 1 NO	52PA2J3A	137.00	52PE2J3A	151.00	
		chrome amber	1 NC + 1 NO	52PA2J9A	137.00	52PE2J9A	151.00	
		less operating head	1 NC + 1 NO	52PA2KNA	119.00	*****		
		chrome red	1 NC + 1 NO	52PA2K2A	137.00	52PE2K2A	151.00	
	600V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	chrome green	1 NC + 1 NO	52PA2K3A	137.00	52PE2K3A	151.00	1
		chrome amber	1 NC + 1 NO	52PA2K9A	137.00	52PE2K9A	151.00	

1) Blocks cannot be interchanged (start-stop circuit).

2) LED color must match lens color.

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Push Pull Operators

Selection and ordering data

	Version	Color of actuator	Contact blocks	Order no. operators with incandescent lamp	List Price	Order no. operators with LED type ²⁾	List Price	Pack
					\$		\$	Unit
3 position push-pull illuminated	3 Position Push Pull Momentary, Illuminated, spring return to center ¹⁾ 24V Full Voltage 757 type, or 24V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PA3DNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PA3D2U	137.00	52PE3D2U	151.00	
		chrome green	1NC + 1NO	52PA3D3U	137.00	52PE3D3U	151.00	
		chrome amber	1NC + 1NO	52PA3D9U	137.00	52PE3D9U	151.00	
		full red	1NC + 1NO	52PA3DRU	137.00	52PE3DRU	151.00	1
		full green	1NC + 1NO	52PA3DSU	137.00	52PE3DSU	151.00	
		full amber	1NC + 1NO	52PA3DTU	137.00	52PE3DTU	151.00	
		less operating head	1NC + 1NO	52PA3GNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PA3G2U	137.00	52PE3G2U	151.00	
		chrome green	1NC + 1NO	52PA3G3U	137.00	52PE3G3U	151.00	
		chrome amber	1NC + 1NO	52PA3G9U	137.00	52PE3G9U	151.00	
		full red	1NC + 1NO	52PA3GRU	137.00	52PE3GRU	151.00	1
		full green	1NC + 1NO	52PA3GSU	137.00	52PE3GSU	151.00	
		full amber	1NC + 1NO	52PA3GTU	137.00	52PE3GTU	151.00	
	120V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PA3HNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PA3H2U	137.00	52PE3H2U	151.00	
		chrome green	1NC + 1NO	52PA3H3U	137.00	52PE3H3U	151.00	
		chrome amber	1NC + 1NO	52PA3H9U	137.00	52PE3H9U	151.00	
	240V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PA3JNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PA3J2U	137.00	52PE3J2U	151.00	
		chrome green	1NC + 1NO	52PA3J3U	137.00	52PE3J3U	151.00	
		chrome amber	1NC + 1NO	52PA3J9U	137.00	52PE3J9U	151.00	
	480V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PA3KNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PA3K2U	137.00	52PE3K2U	151.00	
		chrome green	1NC + 1NO	52PA3K3U	137.00	52PE3K3U	151.00	
		chrome amber	1NC + 1NO	52PA3K9U	137.00	52PE3K9U	151.00	



52PA3D2U



52PA3DRU

1) Blocks cannot be interchanged (start-stop circuit).

2) LED color must match lens color.

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Selector Switch Complete Units

Selection and ordering data

	Version	Lever type	Contact blocks	Cam ¹⁾	Order no.	List Price	Pack
						\$	unit
Selector Switches with 2 switching positions							
Short lever assembled selector switch	Maintained operation	Short lever, non-Illuminated	1NO	A	52SA2AABK1	42.50	1
		Short lever, non-Illuminated	1NC	A	52SA2AABJ1	42.50	
		Short lever, non-Illuminated	1NO + 1NC	A	52SA2AABA1	55.00	
		Long lever, non-Illuminated	1NO	A	52SB2AABK1	42.50	
		Long lever, non-Illuminated	1NC	A	52SB2AABJ1	42.50	
		Long lever, non-Illuminated	1NO + NC	A	52SB2AABA1	55.00	
	Spring return from right operation	Short lever, non-Illuminated	1NO	A	52SA2ACBK1	59.00	1
		Short lever, non-Illuminated	1NC	A	52SA2ACBJ1	59.00	
		Short lever, non-Illuminated	1NO + 1NC	A	52SA2ACBA1	72.00	
		Long lever, non-Illuminated	1NO	A	52SB2ACBK1	59.00	
		Long lever, non-Illuminated	1NC	A	52SB2ACBJ1	59.00	
		Long lever, non-Illuminated	1NO + 1NC	A	52SB2ACBA1	72.00	
Selector Switches with 3 switching positions							
Long lever assembled selector switch	Maintained operation	Short lever, non-Illuminated	1NO + 1NC	C	52SA2CABA1	55.00	1
		Short lever, non-Illuminated	2NC + 1NO	G	52SA2GABJ2K1	67.00	
		Short lever, non-Illuminated	2NO + 2NC	C	52SA2CABA2	80.00	
		Long lever, non-Illuminated	1NO + 1NC	C	52SB2CABA1	55.00	
		Long lever, non-Illuminated	2NC + 1NO	G	52SB2GABJ2K1	67.00	
		Long lever, non-Illuminated	2NO + 2NC	C	52SB2CABA2	80.00	
	Spring return from right ²⁾	Short lever, non-Illuminated	1NO + 1NC	C	52SA2CCBA1	72.00	1
		Short lever, non-Illuminated	2NC + 1NO	G	52SA2GCBJ2K1	84.00	
		Short lever, non-Illuminated	2NO + 2NC	C	52SA2CCBA2	96.00	
		Long lever, non-Illuminated	1NO + 1NC	C	52SB2CCBA1	72.00	
		Long lever, non-Illuminated	2NC + 1NO	G	52SB2GCBJ2K1	84.00	
		Long lever, non-Illuminated	2NO + 2NC	C	52SB2CCBA2	96.00	
	Spring return from right & left operation	Short lever, non-Illuminated	1NO + 1NC	C	52SA2CDBA1	72.00	1
		Short lever, non-Illuminated	2NC + 1NO	G	52SA2GDBJ2K1	84.00	
		Short lever, non-Illuminated	2NO + 2NC	C	52SA2CDBA2	96.00	
		Long lever, non-Illuminated	1NO + 1NC	C	52SB2CDBA1	72.00	
		Long lever, non-Illuminated	2NC + 1NO	G	52SB2GDBJ2K1	84.00	
		Long lever, non-Illuminated	2NO + 2NC	C	52SB2CDBA2	96.00	
Key-operated selector switches, 2 switching positions							
Assembled keyed selector switch	Maintained operation	Key removable in left positions	1NO	A	52SC6AFK1	92.00	1
		Key removable in left positions	1NC	A	52SC6AFJ1	92.00	
		Key removable in left positions	1NO + 1NC	A	52SC6AFA1	105.00	
	Spring return from right operation	Key removable in left positions	1NO	A	52SC6AXK1	108.00	1
		Key removable in left positions	1NC	A	52SC6AXJ1	108.00	
		Key removable in left positions	1NO + 1NC	A	52SC6AXA1	121.00	
Key-operated selector switches, 3 switching positions							
	Maintained operation	Key removable in all positions	1NC + 1NO	C	52SC6CEA1	105.00	1
		Key removable in all positions	2NC + 1NO	G	52SC6GEJ2K1	117.00	
		Key removable in all positions	2NO + 2NC	C	52SC6CEA2	129.00	
	Spring return from right operation ³⁾	Key removable in all positions	1NO + 1NC	C	52SC6CZA1	121.00	1
		Key removable in all positions	2NC + 1NO	G	52SC6GZJ2K1	133.00	
		Key removable in all positions	2NO + 2NC	C	52SC6CZA2	145.00	
	Spring return from right & left operation	Key removable in all positions	1NO + 1NC	C	52SC6CVA1	121.00	1
		Key removable in all positions	2NC + 1NO	G	52SC6GVJ2K1	133.00	
		Key removable in all positions	2NO + 2NC	C	52SC6CVA2	145.00	

1) For contact operation, see cam selection table on page 16-209.

2) Spring return from left available by substituting "BB" for "CB" in the order number. Eg. 52SA2CBBA1.

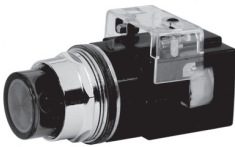
3) Spring return from left available by substituting "CY" for "CZ" in the order number. Eg. 52SC6CYA1.

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Indicator Light Operators

Selection and ordering data

	Version	Color of actuator	Order no.	List Price	Order no.	List Price	Pack
			Operators with Incandescent lamp	\$	Operators with LED lamp ³⁾	\$	Unit
	Indicator light with plastic lens - Full voltage type AC/DC^{1) 2)}						
	6-8V with 755 type, or 6V LED	red	52PA4B2	72.00	52PE4B2	86.00	1
		green	52PA4B3	72.00	52PE4B3	86.00	
		amber	52PA4B9	72.00	52PE4B9	86.00	
		less lens	52PA4BN	66.00	—	—	
	12V with 756 type	red	52PA4C2	72.00			1
		green	52PA4C3	72.00			
		amber	52PA4C9	72.00			
		less lens	52PA4CN	66.00			
	24V with 757 type, or 24V LED	red	52PA4D2	72.00	52PE4D2	86.00	1
		green	52PA4D3	72.00	52PE4D3	86.00	
		amber	52PA4D9	72.00	52PE4D9	86.00	
		less lens	52PA4DN	66.00	—	—	
	120V with 120MB type, or 120V LED	red	52PC4E2	72.00	52PE4E2	86.00	1
		green	52PC4E3	72.00	52PE4E3	86.00	
		amber	52PC4E9	72.00	52PE4E9	86.00	
		less lens	52PC4EN	66.00	—	—	
	Indicator light with plastic lens - Transformer type AC^{1) 2)}						
	120V with 6V 755 type lamp, or 6V LED	red	52PA4G2	88.00	52PE4G2	102.00	1
		green	52PA4G3	88.00	52PE4G3	102.00	
		amber	52PA4G9	88.00	52PE4G9	102.00	
		less lens	52PA4GN	82.00	—	—	
	240V with 6V 755 type lamp, or 6V LED	red	52PA4H2	88.00	52PE4H2	102.00	1
		green	52PA4H3	88.00	52PE4H3	102.00	
		amber	52PA4H9	88.00	52PE4H9	102.00	
		less lens	52PA4HN	82.00	—	—	
	277V with 6V 755 type lamp, or 6V LED	red	52PA4T2	88.00	52PE4T2	102.00	1
		green	52PA4T3	88.00	52PE4T3	102.00	
		amber	52PA4T9	88.00	52PE4T9	102.00	
		less lens	52PA4TN	82.00	—	—	
	480V with 6V 755 type lamp, or 6V LED	red	52PA4J2	88.00	52PE4J2	102.00	1
		green	52PA4J3	88.00	52PE4J3	102.00	
		amber	52PA4J9	88.00	52PE4J9	102.00	
		less lens	52PA4JN	82.00	—	—	
	600V with 6V 755 type lamp, or 6V LED	red	52PA4K2	88.00	52PE4K2	102.00	1
		green	52PA4K3	88.00	52PE4K3	102.00	
		amber	52PA4K9	88.00	52PE4K9	102.00	
		less lens	52PA4KN	82.00	—	—	
	Indicator light with plastic lens - Resistor type AC/DC^{1) 2)}						
	240V with 120V 120MB type lamp, or 120V LED	red	52PC4N2	72.00	52PE4N2	86.00	1
		green	52PC4N3	72.00	52PE4N3	86.00	
		amber	52PC4N9	72.00	52PE4N9	86.00	
		less lens	52PC4NN	66.00	—	—	

Color code table: blue
clear
white

5
A
B

5
A
B

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

2) For factory installed glass lens, replace the 5th character with "5".

3) LED color must match lens color. Consult Factory for Neon types.

Pushbutton Units and Indicator Lights

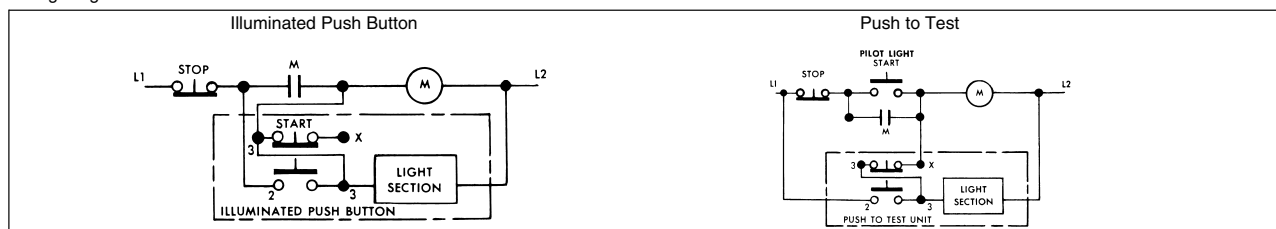
30 mm Heavy Duty, Watertight/Oiltight, Class 52

Push to Test Units

Selection and ordering data

	Version	Color of actuator	Contact blocks	Order no. Operators with Incandescent lamp	List Price \$	Order no. Operators with LED lamp ²⁾	List Price \$	Pack
								Unit
 52PA6D2A	Illuminated pushbuttons/Push to test indicator light with plastic lens - Full voltage type AC/DC ¹⁾³⁾							
	6-8V with 755 type, or 6V LED	red	1NO + 1NC	52PA6B2A	96.00	52PE6B2A	110.00	1
		green	1NO + 1NC	52PA6B3A	96.00	52PE6B3A	110.00	
		amber	1NO + 1NC	52PA6B9A	96.00	52PE6B9A	110.00	
		less lens	1NO + 1NC	52PA6BNA	91.00	—	—	
	24V with 757 type, or 24V LED	red	1NO + 1NC	52PA6D2A	96.00	52PE6D2A	110.00	1
		green	1NO + 1NC	52PA6D3A	96.00	52PE6D3A	110.00	
		amber	1NO + 1NC	52PA6D9A	96.00	52PE6D9A	110.00	
		less lens	1NO + 1NC	52PA6DNA	91.00	—	—	
	Illuminated pushbuttons/Push to test indicator light with plastic lens - Transformer type AC ¹⁾³⁾							
	120V with 6V 755 type lamp, or 6V LED	red	1NC + 1NO	52PA6G2A	112.00	52PE6G2A	126.00	1
		green	1NC + 1NO	52PA6G3A	112.00	52PE6G3A	126.00	
amber		1NC + 1NO	52PA6G9A	112.00	52PE6G9A	126.00		
less lens		1NC + 1NO	52PA6GNA	107.00	—	—		
240V with 6V 755 type lamp, or 6V LED	red	1NC + 1NO	52PA6H2A	112.00	52PE6H2A	126.00	1	
	green	1NC + 1NO	52PA6H3A	112.00	52PE6H3A	126.00		
	amber	1NC + 1NO	52PA6H9A	112.00	52PE6H9A	126.00		
	less lens	1NC + 1NO	52PA6HNA	107.00	—	—		
480V with 6V 755 type lamp, or 6V LED	red	1NC + 1NO	52PA6J2A	112.00	52PE6J2A	126.00	1	
	green	1NC + 1NO	52PA6J3A	112.00	52PE6J3A	126.00		
	amber	1NC + 1NO	52PA6J9A	112.00	52PE6J9A	126.00		
	less lens	1NC + 1NO	52PA6JNA	107.00	—	—		
600V with 6V 755 type lamp, or 6V LED	red	1NC + 1NO	52PA6K2A	112.00	52PE6K2A	126.00	1	
	green	1NC + 1NO	52PA6K3A	112.00	52PE6K3A	126.00		
	amber	1NC + 1NO	52PA6K9A	112.00	52PE6K9A	126.00		
	less lens	1NC + 1NO	52PA6KNA	107.00	—	—		
Push to test indicator light with plastic lens - Resistor type AC/DC ³⁾								
120V with 24V 757 type lamp, or 24V LED	red	1NC + 1NO	52PA6M2A	96.00	52PE6M2A	110.00	1	
	green	1NC + 1NO	52PA6M3A	96.00	52PE6M3A	110.00		
	amber	1NC + 1NO	52PA6M9A	96.00	52PE6M9A	110.00		
	less lens	1NC + 1NO	52PA6MNA	91.00	—	—		
240V with 24V 757 type lamp, or 24V LED	red	1NC + 1NO	52PA6N2A	96.00	52PE6N2A	110.00	1	
	green	1NC + 1NO	52PA6N3A	96.00	52PE6N3A	110.00		
	amber	1NC + 1NO	52PA6N9A	96.00	52PE6N9A	110.00		
	less lens	1NC + 1NO	52PA6NNA	91.00	—	—		
Color code table: blue clear white			5 A B		5 A B			

Wiring Diagrams



1) All illuminated devices come with std. Touch-safe shield per UL stds.
2) LED color must match lens color. Consult Factory for Neon types.

3) For factory installed lens guard, add suffix "V".

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Pushbutton Operators Only

Selection and ordering data

Version	Color of actuator	Order no.	List Price	Pack
			\$	Unit
Pushbutton with flush cap	black	52PA8A1	22.00	1
	red	52PA8A2	22.00	
	green	52PA8A3	22.00	
	yellow	52PA8A4	22.00	
	blue	52PA8A5	22.00	
	gray	52PA8A6	22.00	
	orange	52PA8A8	22.00	
	less cap	52PA8	20.50	
	kit with all colors	52PA8AN	25.50	
Pushbutton with extended cap	black	52PA8B1	22.00	1
	red	52PA8B2	22.00	
	green	52PA8B3	22.00	
	yellow	52PA8B4	22.00	
	blue	52PA8B5	22.00	
	gray	52PA8B6	22.00	
	orange	52PA8B8	22.00	
	less cap	52PA8	20.50	
	kit with all colors	52PA8BN	25.50	
Pushbutton with mushroom cap 1 5/8" (41.3mm)	black	52PB9D1	46.50	1
	red	52PB9D2	46.50	
	green	52PB9D3	46.50	
	yellow	52PB9D4	46.50	
	blue	52PB9D5	46.50	
	gray	52PB9D6	46.50	
	orange	52PB9D8	46.50	
	less cap	52PB9	38.50	
	kit with all colors	52PB9DN	49.00	
Pushbutton with mushroom cap 2 1/2" (63.5mm)	black	52PB9E1	55.00	1
	red	52PB9E2	55.00	
	green	52PB9E3	55.00	
	yellow	52PB9E4	55.00	
	blue	52PB9E5	55.00	
	gray	52PB9E6	55.00	
	orange	52PB9E8	55.00	
	less cap	52PB9	38.50	
	less cap with lens kit	52PB9EN	49.00	
2 position push pull maintained, non illuminated				
Metal Mushroom Head, 1 5/8" (41.3 mm) (Threaded)	red	52PA2A2	73.00	1
	green	52PA2A3	73.00	
	chrome	52PA2AC	73.00	
Small Plastic Mushroom Head, 1 5/8" (41.3 mm) (Set Screw)	black	52PA2W1	63.00	1
	red	52PA2W2	63.00	
	green	52PA2W3	63.00	
Large Plastic Mushroom Head, 2 1/2" (63.5 mm) (Set Screw)	black	52PA2V1	71.00	1
	red	52PA2V2	71.00	
	green	52PA2V3	71.00	

Flush pushbutton operator



2 position push pull operator



Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Selector Switch Operators

Selection and ordering data

Version	Lever type	Color of lever insert	Cam Code ²⁾	Input Voltage	Order no.	List Price \$	Pack unit
Selector Switches with 2 switching positions							
Maintained operation	Non-Illuminated, short lever	White	A		52SA2AAB	30.50	1
	Non-Illuminated, long lever	White	A		52SB2AAB	30.50	
	Illuminated, short lever ¹⁾ with full voltage 24V, 757 type lamp		A	24V	52SA7ADN	73.00	1
	Illuminated, short lever ¹⁾ with 50/60 Hz transformer 6V, 755 type lamp		A	120V 240V 24V	52SA7AGN 52SA7AHN 52SA7ALN	91.00 91.00 91.00	1
Spring return from right operation	Non-Illuminated, short lever	White	A		52SA2ACB	47.00	1
	Non-Illuminated, long lever	White	A		52SB2ACB	47.00	
Selector Switches with 3 switching positions							
Maintained operation	Non-Illuminated, short lever	White	B		52SA2BAB	30.50	1
	Non-Illuminated, long lever	White	B		52SB2BAB	30.50	
	Non-Illuminated, short lever	White	C ³⁾		52SA2CAB	30.50	
	Non-Illuminated, long lever	White	C ³⁾		52SB2CAB	30.50	
	Non-Illuminated, short lever	White	D		52SA2DAB	30.50	
	Non-Illuminated, long lever	White	D		52SB2DAB	30.50	
	Non-Illuminated, short lever	White	E		52SA2EAB	30.50	
	Non-Illuminated, long lever	White	E		52SB2EAB	30.50	
	Non-Illuminated, short lever	White	G		52SA2GAB	30.50	
	Non-Illuminated, long lever	White	G		52SB2GAB	30.50	
	Illuminated, short lever ¹⁾ with full voltage 24V, 757 type lamp		B C ³⁾	24V 24V	52SA7BDN 52SA7CDN	73.00 73.00	1
	Illuminated, short lever ¹⁾ with 50/60 Hz transformer 6V, 755 type lamp		B C ³⁾ B C ³⁾ B C	120V 120V 240V 240V 24V 24V	52SA7BGN 52SA7CGN 52SA7BHN 52SA7CHN 52SA7BLN 52SA7CLN	91.00 91.00 91.00 91.00 91.00 91.00	1
Spring return from right operation	Non-Illuminated, short lever	White	B		52SA2BCB	47.00	1
	Non-Illuminated, long lever	White	B		52SB2BCB	47.00	
	Non-Illuminated, short lever	White	C ³⁾		52SA2CCB	47.00	
	Non-Illuminated, long lever	White	C ³⁾		52SB2CCB	47.00	
	Non-Illuminated, short lever	White	D		52SA2DCB	47.00	
	Non-Illuminated, long lever	White	D		52SB2DCB	47.00	
	Non-Illuminated, short lever	White	E		52SA2ECB	47.00	
	Non-Illuminated, long lever	White	E		52SB2ECB	47.00	
	Non-Illuminated, short lever	White	G		52SA2GCB	47.00	
	Non-Illuminated, long lever	White	G		52SB2GCB	47.00	
Spring return from left operation	Non-Illuminated, short lever	White	B		52SA2BBB	47.00	1
	Non-Illuminated, long lever	White	B		52SB2BBB	47.00	
	Non-Illuminated, short lever	White	C ³⁾		52SA2CBB	47.00	
	Non-Illuminated, long lever	White	C ³⁾		52SB2CBB	47.00	
	Non-Illuminated, short lever	White	D		52SA2DBB	47.00	
	Non-Illuminated, long lever	White	D		52SB2DBB	47.00	
	Non-Illuminated, short lever	White	E		52SA2EBB	47.00	
	Non-Illuminated, long lever	White	E		52SB2EBB	47.00	
	Non-Illuminated, short lever	White	G		52SA2GBB	47.00	
	Non-Illuminated, long lever	White	G		52SB2GBB	47.00	
Spring return from left and right operation	Non-Illuminated, short lever	White	B		52SA2BDB	47.00	1
	Non-Illuminated, long lever	White	B		52SB2BDB	47.00	
	Non-Illuminated, short lever	White	C ³⁾		52SA2CDB	47.00	
	Non-Illuminated, long lever	White	C ³⁾		52SB2CDB	47.00	
	Non-Illuminated, short lever	White	D		52SA2DDB	47.00	
	Non-Illuminated, long lever	White	D		52SB2DDB	47.00	
	Non-Illuminated, short lever	White	E		52SA2EDB	47.00	
	Non-Illuminated, long lever	White	E		52SB2EDB	47.00	
	Non-Illuminated, short lever	White	G		52SA2GDB	47.00	
	Non-Illuminated, long lever	White	G		52SB2GDB	47.00	
Selector Switches with 4 switching positions							
Maintained operation	Non-Illuminated, short lever	White	H		52SA2HAB	30.50	1
	Non-Illuminated, long lever	White	H		52SB2HAB	30.50	

1) Illuminated selector switches are provided without lenses. Lens kit must be ordered separately on page 16-211.

2) For contact operation, see cam selection chart on page 16-209.

3) The C cam is limited to 4 contact blocks, 1 or 2 pole.

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Selector Switch Operators

Selection and ordering data

	Version	Button	Position	Color of lever insert	Cam Code ²⁾	Order no.	List Price	Pack
							\$	unit
	Selector Pushbutton Operators							
	NEMA 12/13 only Flush type cap	Flush	2	Black	P	52SA3P1	47.00	1
				Black	Q	52SA3Q1	47.00	
				Black	R	52SA3R1	47.00	
		Flush	2	Red	P	52SA3P2	47.00	1
				Red	Q	52SA3Q2	47.00	
				Red	R	52SA3R2	47.00	
		Flush	3	Black	S	52SA3S1	47.00	1
				Red	S	52SA3S2	47.00	
	1/2" raised type cap	Extended	2	Black	P	52SA4P1	47.00	1
				Black	Q	52SA4Q1	47.00	
				Black	R	52SA4R1	47.00	
		Extended	2	Red	P	52SA4P2	47.00	1
				Red	Q	52SA4Q2	47.00	
				Red	R	52SA4R2	47.00	
		Extended	3	Black	S	52SA4S1	47.00	1
				Red	S	52SA4S2	47.00	

1) For contact operation, see cam selection chart on page 16-209.

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Selector Switch Operators

Selection and ordering data

Version	Key removal position	Lock No.	Cam Code 1)	Order no.	List Price \$	Pack unit
2 Pos spring return from right to center						
	Left	501CH	A	52SC6AX	80.00	1
Key-operated selector Switches with 2 switching positions						
Maintained operation	Both	501CH	A	52SC6AE	80.00	1
	Left	501CH	A	52SC6AF	80.00	
Key-operated selector Switches with 3 switching positions						
Maintained operation	All	501CH	B C 2) D E G	52SC6BE 52SC6CE 52SC6DE 52SC6EE 52SC6GE	80.00 80.00 80.00 80.00 80.00	1
	Left	501CH	B C 2) D E G	52SC6BF 52SC6CF 52SC6DF 52SC6EF 52SC6GF	80.00 80.00 80.00 80.00 80.00	1
	Right	501CH	B C 2) D E G	52SC6BG 52SC6CG 52SC6DG 52SC6EG 52SC6GG	80.00 80.00 80.00 80.00 80.00	1
	Center	501CH	B C 2) D E G	52SC6BH 52SC6CH 52SC6DH 52SC6EH 52SC6GH	80.00 80.00 80.00 80.00 80.00	1
	Left and right	501CH	B C 2) D E G	52SC6BJ 52SC6CJ 52SC6DJ 52SC6EJ 52SC6GJ	80.00 80.00 80.00 80.00 80.00	1
	Left and center	501CH	B C 2) D E G	52SC6BK 52SC6CK 52SC6DK 52SC6EK 52SC6GK	80.00 80.00 80.00 80.00 80.00	1
	Right and center	501CH	B C 2) D E G	52SC6BM 52SC6CM 52SC6DM 52SC6EM 52SC6GM	80.00 80.00 80.00 80.00 80.00	1
Spring return from right operation	Center	501CH	B C 2) D E G	52SC6BU 52SC6CU 52SC6DU 52SC6EU 52SC6GU	96.00 96.00 96.00 96.00 96.00	1
	Left and center	501CH	B C 2) D E G	52SC6BZ 52SC6CZ 52SC6DZ 52SC6EZ 52SC6GZ	96.00 96.00 96.00 96.00 96.00	1
Spring return from left operation	Center	501CH	B C 2) D E G	52SC6BT 52SC6CT 52SC6DT 52SC6ET 52SC6GT	96.00 96.00 96.00 96.00 96.00	1
	Right	501CH	B C 2) D E G	52SC6BW 52SC6CW 52SC6DW 52SC6EW 52SC6GW	96.00 96.00 96.00 96.00 96.00	1
	Right and center	501CH	B C 2) D E G	52SC6BY 52SC6CY 52SC6DY 52SC6EY 52SC6GY	96.00 96.00 96.00 96.00 96.00	1
Spring return from left and right operation	Center	501CH	B C 2) D E G	52SC6BV 52SC6CV 52SC6DV 52SC6EV 52SC6GV	96.00 96.00 96.00 96.00 96.00	1

Lock types keyed different from standard - up to 25 different keys.....
To order special locks for keyed selector switches, append corresponding 'X' suffix to part number. (Same list price as standard key)

Ordering example
52SC6AEX298

#550CH
#549CH
#548CH
#547CH
#506CH

5 3)
X298
X299
X300
X301
X302

1

1) For contact operation, see cam selection chart on page 16-209.

2) C cam limited to 4 single or double pole blocks on spring return operators.

3) Change the "6" to a "5" in the fifth position and add suffix "X", 25 diff. available.



Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Special Devices

Selection and ordering data

	Version	Ohms / color	Order no.	List Price	Pack
				\$	
	Potentiometer operator 2 Watts (Type 12/3 only)	50	52MA3B01	164.00	1
		250	52MA3B04	164.00	
		500	52MA3B06	164.00	
		1 K	52MA3B08	164.00	
		2.5 K	52MA3B10	164.00	
		5 K	52MA3B12	164.00	
		10 K	52MA3B14	164.00	
		15 K	52MA3B15	164.00	
		25 K	52MA3B16	164.00	
		100 K	52MA3B20	164.00	
		500 K	52MA3B24	164.00	
		2 M	52MA3B28	164.00	
		5 M	52MA3B31	164.00	
	2 Button maintained operator Button remains depressed when pushed	Black/red less caps	52MA2A1A2	69.00	1
			52MA2	66.00	
	Wobble stick 2.5" operator For use with 52BAJ (NC) contact block	red	52ABW2 ²⁾	47.00	1
		green	52ABW3 ²⁾	47.00	
		gray	52ABW6 ²⁾	47.00	
	Maintained toggle operator		52ABT	47.00	1
	Compact pilot lights - 11/16" mounting hole¹⁾ / 18 mm Transformer type - 120V with 6V 755 type lamp	red	52MA4G2	87.00	1
		green	52MA4G3	87.00	
		blue	52MA4G5	87.00	
		amber	52MA4G9	87.00	
		clear	52MA4GA	87.00	
		white	52MA4GB	87.00	
		less lens	52MA4GN	82.00	
	Legend plate for compact pilot light (1 7/16" x 1 7/16") Blank (brushed aluminum) Custom engraved (brushed aluminum)		52NP02	2.40	1
			52NP02E	10.70	1

1) 11/16" mounting hole required
2) For use with 52BAJ (NC) contact block

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Complete Units

Selection and ordering data

	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 unit with assembled contact blocks	black	1 NO	52PX8A1K	52PX8B1K	34.50	52PX9□1K	59.00	1
		red	1 NO	52PX8A2K	52PX8B2K	34.50	52PX9□2K	59.00	
		green	1 NO	52PX8A3K	52PX8B3K	34.50	52PX9□3K	59.00	
		yellow	1 NO	52PX8A4K	52PX8B4K	34.50	52PX9□4K	59.00	
		blue	1 NO	52PX8A5K	52PX8B5K	34.50	52PX9□5K	59.00	1
		gray	1 NO	52PX8A6K	52PX8B6K	34.50	52PX9□6K	59.00	
		orange	1 NO	52PX8A8K	52PX8B8K	34.50	52PX9□8K	59.00	
		black	1 NC	52PX8A1J	52PX8B1J	34.50	52PX9□1J	59.00	1
		red	1 NC	52PX8A2J	52PX8B2J	34.50	52PX9□2J	59.00	
		green	1 NC	52PX8A3J	52PX8B3J	34.50	52PX9□3J	59.00	
		yellow	1 NC	52PX8A4J	52PX8B4J	34.50	52PX9□4J	59.00	
		blue	1 NC	52PX8A5J	52PX8B5J	34.50	52PX9□5J	59.00	1
	Extended assembled pushbutton	black	1 NO + 1 NC	52PX8A1A	52PX8B1A	47.00	52PX9□1A	71.00	1
		red	1 NO + 1 NC	52PX8A2A	52PX8B2A	47.00	52PX9□2A	71.00	
		green	1 NO + 1 NC	52PX8A3A	52PX8B3A	47.00	52PX9□3A	71.00	
		yellow	1 NO + 1 NC	52PX8A4A	52PX8B4A	47.00	52PX9□4A	71.00	
		blue	1 NO + 1 NC	52PX8A5A	52PX8B5A	47.00	52PX9□5A	71.00	1
		gray	1 NO + 1 NC	52PX8A6A	52PX8B6A	47.00	52PX9□6A	71.00	
		orange	1 NO + 1 NC	52PX8A8A	52PX8B8A	47.00	52PX9□8A	71.00	
		black	2 NO	52PX8A1F	52PX8B1F	47.00	52PX9□1F	71.00	1
		red	2 NO	52PX8A2F	52PX8B2F	47.00	52PX9□2F	71.00	
		green	2 NO	52PX8A3F	52PX8B3F	47.00	52PX9□3F	71.00	
		yellow	2 NO	52PX8A4F	52PX8B4F	47.00	52PX9□4F	71.00	
		blue	2 NO	52PX8A5F	52PX8B5F	47.00	52PX9□5F	71.00	1
	Mushroom head assembled pushbutton	black	2 NO	52PX8A1G	52PX8B1G	47.00	52PX9□1G	71.00	1
		red	2 NC	52PX8A2G	52PX8B2G	47.00	52PX9□2G	71.00	
		green	2 NC	52PX8A3G	52PX8B3G	47.00	52PX9□3G	71.00	
		yellow	2 NC	52PX8A4G	52PX8B4G	47.00	52PX9□4G	71.00	
		blue	2 NC	52PX8A5G	52PX8B5G	47.00	52PX9□5G	71.00	1
		gray	2 NC	52PX8A6G	52PX8B6G	47.00	52PX9□6G	71.00	
		orange	2 NC	52PX8A8G	52PX8B8G	47.00	52PX9□8G	71.00	
		black	2 NO + 2 NC	52PX8A1B	52PX8B1B	72.00	52PX9□1B	96.00	1
		red	2 NO + 2 NC	52PX8A2B	52PX8B2B	72.00	52PX9□2B	96.00	
		green	2 NO + 2 NC	52PX8A3B	52PX8B3B	72.00	52PX9□3B	96.00	
		yellow	2 NO + 2 NC	52PX8A4B	52PX8B4B	72.00	52PX9□4B	96.00	
		blue	2 NO + 2 NC	52PX8A5B	52PX8B5B	72.00	52PX9□5B	96.00	1
		gray	2 NO + 2 NC	52PX8A6B	52PX8B6B	72.00	52PX9□6B	96.00	
		orange	2 NO + 2 NC	52PX8A8B	52PX8B8B	72.00	52PX9□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

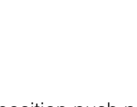
1) For other contact block assemblies replace the 8th digit of the catalog number as follows:
 C = 3 NO + 3 NC
 D = 4 NO + 4 NC
 E = 1 NC (EB)
 H = 1 NO (EM)

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Push Pull Operators Complete Units

Selection and ordering data

	Version	Color of actuator	Contact blocks	Order no.	List Price	Order no.	List Price	Pack	
					\$		\$	Unit	
2 position push-pull	2 Position Push Pull Maintained, Non Illuminated								
		Small Plastic Mushroom Head, 1 5/8" (41.3 mm)	black	1 NC + 1 NO	52PX2W1A	88.00		1	
			red	1 NC + 1 NO	52PX2W2A	88.00			
			green	1 NC + 1 NO	52PX2W3A	88.00			
		Large Plastic Mushroom Head, 2 1/2" (63.5 mm)	black	1 NC + 1 NO	52PX2V1A	106.00		1	
			red	1 NC + 1 NO	52PX2V2A	106.00			
		green	1 NC + 1 NO	52PX2V3A	106.00				
3 position push pull	3 Position Push Pull Momentary, Non-Illuminated, spring return to center-pull to start, push to stop¹⁾								
		Small Plastic Mushroom Head, 1 5/8" (41.3 mm)	black	1 NC + 1 NO	52PX3W1U	96.00		1	
			red	1 NC + 1 NO	52PX3W2U	96.00			
			green	1 NC + 1 NO	52PX3W3U	96.00			
		Large Plastic Mushroom Head, 2 1/2" (63.5 mm)	black	1 NC + 1 NO	52PX3V1U	104.00		1	
			red	1 NC + 1 NO	52PX3V2U	104.00			
		green	1 NC + 1 NO	52PX3V3U	104.00				
2 position push pull illuminated	2 Position Push Pull Maintained, Illuminated			Operators with incandescent lamp		Operators with LED lamp ²⁾			
		24V Full Voltage with 757 type arge Plastic Mushroom Head, or 24V LED, 1 3/4" (44.5 mm)	less operating head	1 NC + 1 NO	52PX2DNA	137.00	*****	_____	1
			chrome red	1 NC + 1 NO	52PX2D2A	137.00	52PX2D2AY	151.00	
			chrome green	1 NC + 1 NO	52PX2D3A	137.00	52PX2D3AY	151.00	
			chrome amber	1 NC + 1 NO	52PX2D9A	137.00	52PX2D9AY	151.00	
			full red	1 NC + 1 NO	52PX2DRA	137.00	52PX2DRAY	151.00	1
			full green	1 NC + 1 NO	52PX2DSA	137.00	52PX2DSAY	151.00	
			full amber	1 NC + 1 NO	52PX2DTA	173.00	52PX2DTAY	151.00	
		120V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1 NC + 1 NO	52PX2GNA	137.00	*****	_____	1
			chrome red	1 NC + 1 NO	52PX2G2A	137.00	52PX2G2AY	151.00	
			chrome green	1 NC + 1 NO	52PX2G3A	137.00	52PX2G3AY	151.00	
			chrome amber	1 NC + 1 NO	52PX2G9A	137.00	52PX2G9AY	151.00	
			full red	1 NC + 1 NO	52PX2GRA	137.00	52PX2GRAY	151.00	1
	full green		1 NC + 1 NO	52PX2GSA	137.00	52PX2GSAY	151.00		
	240V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	full amber	1 NC + 1 NO	52PX2GTA	137.00	52PX2GTAY	151.00		
		less operating head	1 NC + 1 NO	52PX2HNA	119.00	*****	_____		
		chrome red	1 NC + 1 NO	52PX2H2A	137.00	52PX2H2AY	151.00	1	
		chrome green	1 NC + 1 NO	52PX2H3A	137.00	52PX2H3AY	151.00		
		chrome amber	1 NC + 1 NO	52PX2H9A	137.00	52PX2H9AY	151.00		
		480V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1 NC + 1 NO	52PX2JNA	119.00	*****	_____	1
	chrome red		1 NC + 1 NO	52PX2J2A	137.00	52PX2J2AY	151.00		
	chrome green		1 NC + 1 NO	52PX2J3A	137.00	52PX2J3AY	151.00		
	chrome amber		1 NC + 1 NO	52PX2J9A	137.00	52PX2J9AY	151.00		
	600V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)		less operating head	1 NC + 1 NO	52PX2KNA	119.00	*****	_____	1
			chrome red	1 NC + 1 NO	52PX2K2A	137.00	52PX2K2AY	151.00	
		chrome green	1 NC + 1 NO	52PX2K3A	137.00	52PX2K3AY	151.00		
		chrome amber	1 NC + 1 NO	52PX2K9A	137.00	52PX2K9AY	151.00		

1) Blocks cannot be interchanged (start-stop circuit).

2) LED color must match lens color.

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Push Pull Operators

Selection and ordering data

	Version	Color of actuator**	Contacts	Order # Operators with incandescent lamp	List Price \$	Order # Operators with LED lamp ²⁾	List Price \$	Pack Unit
3 position push pull illuminated 	3 Position Push Pull Momentary, Illuminated, spring return to center¹⁾							
	24V Full Voltage with 757 type, or 24V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PX3DNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PX3D2U	137.00	52PX3D2UY	151.00	
		chrome green	1NC + 1NO	52PX3D3U	137.00	52PX3D3UY	151.00	
		chrome amber	1NC + 1NO	52PX3D9U	137.00	52PX3D9UY	151.00	
		full red	1NC + 1NO	52PX3DRU	119.00	52PX3DRUY	151.00	1
		full green	1NC + 1NO	52PX3DSU	119.00	52PX3DSUY	151.00	
		full amber	1NC + 1NO	52PX3DTU	119.00	52PX3DTUY	151.00	
	120V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PX3GNU	119.00	*****	—	1
		chrome red	1NC + 1NO	52PX3G2U	137.00	52PX3G2UY	151.00	
		chrome green	1NC + 1NO	52PX3G3U	137.00	52PX3G3UY	151.00	
		chrome amber	1NC + 1NO	52PX3G9U	137.00	52PX3G9UY	151.00	
		full red	1NC + 1NO	52PX3GRU	119.00	52PX3GRUY	151.00	1
		full green	1NC + 1NO	52PX3GSU	119.00	52PX3GSUY	151.00	
		full amber	1NC + 1NO	52PX3GTU	119.00	52PX3GTUY	151.00	
	240V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1NC + 1NO	52PX3HNU	119.00	*****	—	
		chrome red	1NC + 1NO	52PX3H2U	137.00	52PX3H2UY	151.00	1
		chrome green	1NC + 1NO	52PX3H3U	137.00	52PX3H3UY	151.00	
		chrome amber	1NC + 1NO	52PX3H9U	137.00	52PX3H9UY	151.00	
	480V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1 NC + 1 NO	52PX3JNU	119.00	*****	—	1
		chrome red	1 NC + 1 NO	52PX3J2U	137.00	52PX3J2UY	151.00	
		chrome green	1 NC + 1 NO	52PX3J3U	137.00	52PX3J3UY	151.00	
		chrome amber	1 NC + 1 NO	52PX3J9U	137.00	52PX3J9UY	151.00	
	600V transformer with 6V 755 type lamp, or 6V LED 1 3/4" (44.5 mm)	less operating head	1 NC + 1 NO	52PX3KNU	119.00	*****	—	1
		chrome red	1 NC + 1 NO	52PX3K2U	137.00	52PX3K2UY	151.00	
		chrome green	1 NC + 1 NO	52PX3K3U	137.00	52PX3K3UY	151.00	
		chrome amber	1 NC + 1 NO	52PX3K9U	137.00	52PX3K9UY	151.00	

1) Blocks cannot be interchanged (start-stop circuit).

2) LED color must match lens color.

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Selector Switch Complete Units

Selection and ordering data

	Version	Lever type	Contact blocks	Cam ¹⁾	Order no.	List Price	Pack
						\$	unit
Selector Switches with 2 switching positions							
	Maintained operation	Short lever, non-Illuminated	1 NO	A	52SX2AABK1	42.50	1
		Short lever, non-Illuminated	1 NC	A	52SX2AABJ1	42.50	
		Short lever, non-Illuminated	1 NO + 1 NC	A	52SX2AABA1	55.00	
	Spring return from right operation	Long lever, non-Illuminated	1 NO	A	52SW2AABK1	42.50	1
		Long lever, non-Illuminated	1 NC	A	52SW2AABJ1	42.50	
		Long lever, non-Illuminated	1 NO + 1NC	A	52SW2AABA1	55.00	
	Spring return from right operation	Short lever, non-Illuminated	1 NO	A	52SX2ACBK1	59.00	1
		Short lever, non-Illuminated	1 NC	A	52SX2ACBJ1	59.00	
		Short lever, non-Illuminated	1 NO + 1 NC	A	52SX2ACBA1	72.00	
	Spring return from left operation	Long lever, non-Illuminated	1 NO	A	52SW2ACBK1	59.00	1
		Long lever, non-Illuminated	1 NC	A	52SW2ACBJ1	59.00	
		Long lever, non-Illuminated	1 NO + 1NC	A	52SW2ACBA1	72.00	
Selector Switches with 3 switching positions							
	Maintained operation	Short lever, non-Illuminated	1 NO + 1 NC	C	52SX2CABA1	55.00	1
		Short lever, non-Illuminated	2 NC + 1 NO	G	52SX2GABJ2K1	67.00	
		Short lever, non-Illuminated	2 NO + 2 NC	C	52SX2CABA2	80.00	
		Long lever, non-Illuminated	1 NO + 1 NC	C	52SW2CABA1	55.00	1
		Long lever, non-Illuminated	2 NC + 1 NO	G	52SW2GABJ2K1	67.00	
		Long lever, non-Illuminated	2 NO + 2 NC	C	52SW2CABA2	80.00	
	Spring return from right	Short lever, non-Illuminated	1 NO + 1 NC	C	52SX2CCBA1	72.00	1
		Short lever, non-Illuminated	2 NC + 1 NO	G	52SX2GCBJ2K1	84.00	
		Short lever, non-Illuminated	2 NO + 2 NC	C	52SX2CCBA2	96.00	
		Long lever, non-Illuminated	1 NO + 1 NC	C	52SW2CCBA1	72.00	1
		Long lever, non-Illuminated	2 NC + 1 NO	G	52SW2GCBJ2K1	84.00	
		Long lever, non-Illuminated	2 NO + 2 NC	C	52SW2CCBA2	96.00	
Spring return from right & left operation	Short lever, non-Illuminated	1 NO + 1 NC	C	52SX2CDBA1	72.00	1	
	Short lever, non-Illuminated	2 NC + 1 NO	G	52SX2GDBJ2K1	84.00		
	Short lever, non-Illuminated	2 NO + 2 NC	C	52SX2CDBA2	96.00		
	Long lever, non-Illuminated	1 NO + 1 NC	C	52SW2CDBA1	72.00	1	
	Long lever, non-Illuminated	2 NC + 1 NO	G	52SW2GDBJ2K1	84.00		
	Long lever, non-Illuminated	2 NO + 2 NC	C	52SW2CDBA2	96.00		
Spring return from left	Short lever, non-Illuminated	1 NO + 1 NC	C	52SX2CBBA1	72.00	1	
	Short lever, non-Illuminated	2 NC + 1 NO	G	52SX2GBBJ2K1	84.00		
	Short lever, non-Illuminated	2 NO + 2 NC	C	52SX2CBBA2	96.00		
	Long lever, non-Illuminated	1 NO + 1 NC	C	52SW2CBBA1	72.00	1	
	Long lever, non-Illuminated	2 NC + 1 NO	G	52SW2GBBJ2K1	84.00		
	Long lever, non-Illuminated	2 NO + 2 NC	C	52SW2CBBA2	96.00		

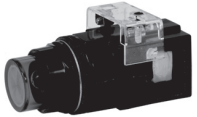
1) For contact operation, see cam selection table on page 16-209.

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Indicator Light Operators

Selection and ordering data

	Version	Color of actuator	Order no.	List Price	Order no.	List Price	Pack
			Operators with Incandescent lamp	\$	Operators with LED lamp ³⁾	\$	Unit
	Indicator light with plastic lens - Full voltage type AC/DC¹⁾²⁾						
	6-8V with 755 type, or 6V LED	red	52PX4B2	72.00	52PX4B2Y	86.00	1
		green	52PX4B3	72.00	52PX4B3Y	86.00	
		amber	52PX4B9	72.00	52PX4B9Y	86.00	
		less lens	52PX4BN	66.00	****		
	12V with 756 type	red	52PX4C2	72.00			1
		green	52PX4C3	72.00			
		amber	52PX4C9	72.00			
		less lens	52PX4CN	66.00			
	24V with 757 type, or 24V LED	red	52PX4D2	72.00	52PX4D2Y	86.00	1
		green	52PX4D3	72.00	52PX4D3Y	86.00	
		amber	52PX4D9	72.00	52PX4D9Y	86.00	
		less lens	52PX4DN	66.00	****		
	120V with 120MBtype, or 120V LED	red	52PY4E2	72.00	52PX4E2Y	86.00	1
		green	52PY4E3	72.00	52PX4E3Y	86.00	
		amber	52PY4E9	72.00	52PX4E9Y	86.00	
		less lens	52PY4EN	66.00	****		
	Indicator light with plastic lens - Transformer type AC/DC¹⁾²⁾						
	120V with 6V 755 type lamp, or 6V LED	red	52PX4G2	88.00	52PX4G2Y	102.00	1
		green	52PX4G3	88.00	52PX4G3Y	102.00	
		amber	52PX4G9	88.00	52PX4G9Y	102.00	
		less lens	52PX4GN	82.00	****		
	240V with 6V 755 type lamp, or 6V LED	red	52PX4H2	88.00	52PX4H2Y	102.00	1
		green	52PX4H3	88.00	52PX4H3Y	102.00	
		amber	52PX4H9	88.00	52PX4H9Y	102.00	
		less lens	52PX4HN	82.00	****		
	277V with 6V 755 type lamp, or 6V LED	red	52PX4T2	88.00	52PX4J2Y	102.00	1
		green	52PX4T3	88.00	52PX4J3Y	102.00	
		amber	52PX4T9	88.00	52PX4J9Y	102.00	
		less lens	52PX4TN	82.00	****		
	480V with 6V 755 type lamp, or 6V LED	red	52PX4J2	88.00	52PX4K2Y	102.00	1
		green	52PX4J3	88.00	52PX4K3Y	102.00	
		amber	52PX4J9	88.00	52PX4K9Y	102.00	
		less lens	52PX4JN	82.00	****		
	600V with 6V 755 type lamp, or 6V LED	red	52PX4K2	88.00	52PX4T2Y	102.00	1
		green	52PX4K3	88.00	52PX4T3Y	102.00	
		amber	52PX4K9	88.00	52PX4T9Y	102.00	
		less lens	52PX4KN	82.00	****		
Indicator light with plastic lens - Resistor type AC/DC *							
240V with 120V 2.5W 120MB type lamp,or 120V LED	red	52PY4N2	72.00	52PX4N2Y	86.00	1	
	green	52PY4N3	72.00	52PX4N3Y	86.00		
	amber	52PY4N9	72.00	52PX4N9Y	86.00		
	less lens	52PY4NN	66.00	****			
Color code table	blue clear white	5 A B		5 A B			

1) All illuminated devices come with std. Touch-safe shield per UL stds.
2) For factory installed glass lens, replace the 5th character with "5".

3) LED color must match lens color. Consult Factory for Neon types.

Pushbutton Units and Indicator Lights

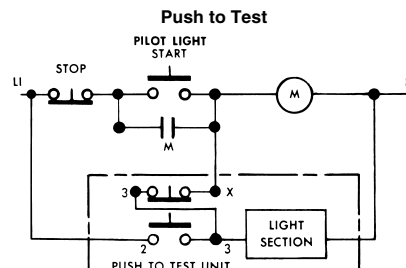
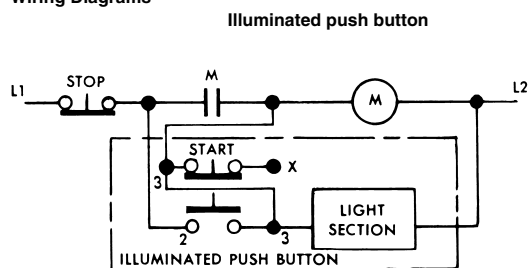
30 mm, Black Max Corrosion Resistant, Class 52

Push to Test Units

Selection and ordering data

	Version	Color of actuator	Contact blocks	Order no.	List Price	Order no.	List Price	Pack
				Operators with Incandescent lamp ³⁾	\$	Operators with LED lamp ²⁾³⁾	\$	Unit
Push to test/illuminated pushbutton 	Illuminated pushbutton/Push to test indicator plastic lens - Full indicator light with plastic lens - Full voltage type AC/DC¹⁾							
	6-8V with 755 type, or 6V LED	red	1 NO + 1 NC	52PX6B2A	96.00	52PX6B2AY	110.00	1
		green	1 NO + 1 NC	52PX6B3A	96.00	52PX6B3AY	110.00	
		amber	1 NO + 1 NC	52PX6B9A	96.00	52PX6B9AY	110.00	
		less lens	1 NO + 1 NC	52PX6BNA	91.00	****	_____	
	24V with 757 type, or 24V LED	red	1 NO + 1 NC	52PX6D2A	96.00	52PX6D2AY	110.00	1
		green	1 NO + 1 NC	52PX6D3A	96.00	52PX6D3AY	110.00	
		amber	1 NO + 1 NC	52PX6D9A	96.00	52PX6D9AY	110.00	
		less lens	1 NO + 1 NC	52PX6DNA	91.00	****	_____	
		Illuminated pushbutton/Push to test plastic lens indicator light with plastic lens - Transformer type AC/DC¹⁾						
120V with 6V 755 type lamp, or 6V LED		red	1 NC + 1 NO	52PX6G2A	112.00	52PX6G2AY	126.00	1
		green	1 NC + 1 NO	52PX6G3A	112.00	52PX6G3AY	126.00	
		amber	1 NC + 1 NO	52PX6G9A	112.00	52PX6G9AY	126.00	
		less lens	1 NC + 1 NO	52PX6GNA	107.00	*****	_____	
240V with 6V 755 type lamp, or 6V LED		red	1 NC + 1 NO	52PX6H2A	112.00	52PX6H2AY	126.00	1
		green	1 NC + 1 NO	52PX6H3A	112.00	52PX6H3AY	126.00	
		amber	1 NC + 1 NO	52PX6H9A	112.00	52PX6H9AY	126.00	
		less lens	1 NC + 1 NO	52PX6HNA	112.00	*****	_____	
480V with 6V 755 type lamp, or 6V LED		red	1 NC + 1 NO	52PX6J2A	112.00	52PX6J2AY	126.00	1
		green	1 NC + 1 NO	52PX6J3A	112.00	52PX6J3AY	126.00	
		amber	1 NC + 1 NO	52PX6J9A	112.00	52PX6J9AY	126.00	
		less lens	1 NC + 1 NO	52PX6JNA	107.00	*****	_____	
600V with 6V 755 type lamp, or 6V LED		red	1 NC + 1 NO	52PX6K2A	112.00	52PX6K2AY	126.00	1
		green	1 NC + 1 NO	52PX6K3A	112.00	52PX6K3AY	126.00	
		amber	1 NC + 1 NO	52PX6K9A	112.00	52PX6K9AY	126.00	
		less lens	1 NC + 1 NO	52PX6KNA	107.00	*****	_____	
	Illuminated pushbutton/Push to test indicator indicator light with plastic lens - Resistor type AC/DC							
	120V with 24V 757 type lamp, or 24V LED	red	1 NC + 1 NO	52PX6M2A	96.00	52PX6M2AY	110.00	1
		green	1 NC + 1 NO	52PX6M3A	96.00	52PX6M3AY	110.00	
		amber	1 NC + 1 NO	52PX6M9A	96.00	52PX6M9AY	110.00	
		less lens	1 NC + 1 NO	52PX6MNA	96.00	*****	_____	
	240V with 24V 757 type lamp, or 24V LED	red	1 NC + 1 NO	52PX6N2A	96.00	52PX6N2AY	110.00	1
		green	1 NC + 1 NO	52PX6N3A	96.00	52PX6N3AY	110.00	
		amber	1 NC + 1 NO	52PX6N9A	96.00	52PX6N9AY	110.00	
		less lens	1 NC + 1 NO	52PX6NNA	91.00	****	_____	
	Color code table	blue		5 A		5 A		
		clear		B		B		
		white						

Wiring Diagrams



1) All illuminated devices come with std. Touch-safe shield per UL stds.
2) LED color must match lens color. Consult Factory for Neon types.

3) For factory installed lens guard add suffix "Y".

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Push to Test Units

Selection and ordering data

	Version	Color of actuator	Order no.	List Price	Pack
				\$	Unit
Flush pushbutton operator 	Pushbutton with flush cap	black	52PX8A1	22.00	1
		red	52PX8A2	22.00	
		green	52PX8A3	22.00	
		yellow	52PX8A4	22.00	
		blue	52PX8A5	22.00	
		gray	52PX8A6	22.00	
		orange	52PX8A8	22.00	
		less cap	52PX8	20.50	
		kit - with all colors	52PX8AN	25.50	
Extended pushbutton operator 	Pushbutton with extended cap	black	52PX8B1	22.00	1
		red	52PX8B2	22.00	
		green	52PX8B3	22.00	
		yellow	52PX8B4	22.00	
		blue	52PX8B5	22.00	
		gray	52PX8B6	22.00	
		orange	52PX8B8	22.00	
		less cap	52PX8	20.50	
		kit - with all colors	52PX8BN	25.50	
Mushroom head pushbutton operator 	Pushbutton with mushroom cap 1 5/8" (41.3mm)	black	52PX9D1	46.50	1
		red	52PX9D2	46.50	
		green	52PX9D3	46.50	
		yellow	52PX9D4	46.50	
		blue	52PX9D5	46.50	
		gray	52PX9D6	46.50	
		orange	52PX9D8	46.50	
		less cap	52PX9	38.50	
		kit - with all colors	52PX9DN	49.00	
	Pushbutton with mushroom cap 2 1/2" (63.5mm)	black	52PX9E1	55.00	1
		red	52PX9E2	55.00	
		green	52PX9E3	55.00	
		yellow	52PX9E4	55.00	
		blue	52PX9E5	55.00	
		gray	52PX9E6	55.00	
		orange	52PX9E8	55.00	
		less cap	52PX9	38.50	
		kit - with all colors	52PX9EN	49.00	
	2 position push pull maintained, non illuminated Small Plastic Mushroom Head, 1 5/8" (41.3mm)	black	52PX2W1	63.00	1
		red	52PX2W2	63.00	
		green	52PX2W3	63.00	
	Large Plastic Mushroom Head, 2 1/4" (57.2mm)	black	52PX2V1	82.00	1
		red	52PX2V2	82.00	
		green	52PX2V3	82.00	

Pushbutton Units and Indicator Lights

30 mm, Black Max Corrosion Resistant, Class 52

Selector Switch Operators

Selection and ordering data



Version	Lever type	Color of lever insert	Cam ¹⁾	Order no.	List Price	Pack
					\$	unit
Selector Switches with 2 switching positions						
Maintained operation	Short lever, non-Illuminated	white	A	52SX2AAB	30.50	1
	Long lever, non-Illuminated	white	A	52SW2AAB	30.50	
Spring return from right operation	Short lever, non-Illuminated	white	A	52SX2ACB	47.00	1
	Long lever, non-Illuminated	white	A	52SW2ACB	47.00	
Selector Switches with 3 switching positions						
Maintained operation	Short lever, non-Illuminated	white	B	52SX2BAB	30.50	1
	Long lever, non-Illuminated	white	B	52SW2BAB	30.50	
	Short lever, non-Illuminated	white	C ²⁾	52SX2CAB	30.50	
	Long lever, non-Illuminated	white	C ²⁾	52SW2CAB	30.50	
	Short lever, non-Illuminated	white	D	52SX2DAB	30.50	
	Long lever, non-Illuminated	white	D	52SW2DAB	30.50	
	Short lever, non-Illuminated	white	E	52SX2EAB	30.50	
	Long lever, non-Illuminated	white	E	52SW2EAB	30.50	
	Short lever, non-Illuminated	white	G	52SX2GAB	30.50	
	Long lever, non-Illuminated	white	G	52SW2GAB	30.50	
Spring return from right operation	Short lever, non-Illuminated	white	B	52SX2BCB	47.00	1
	Long lever, non-Illuminated	white	B	52SW2BCB	47.00	
	Short lever, non-Illuminated	white	C ²⁾	52SX2CCB	47.00	
	Long lever, non-Illuminated	white	C ²⁾	52SW2CCB	47.00	
	Short lever, non-Illuminated	white	D	52SX2DCB	47.00	
	Long lever, non-Illuminated	white	D	52SW2DCB	47.00	
	Short lever, non-Illuminated	white	E	52SX2ECB	47.00	
	Long lever, non-Illuminated	white	E	52SW2ECB	47.00	
	Short lever, non-Illuminated	white	G	52SX2GCB	47.00	
	Long lever, non-Illuminated	white	G	52SW2GCB	47.00	
Spring return from left operation	Short lever, non-Illuminated	white	B	52SX2BBB	47.00	1
	Long lever, non-Illuminated	white	B	52SW2BBB	47.00	
	Short lever, non-Illuminated	white	C ²⁾	52SX2CBB	47.00	
	Long lever, non-Illuminated	white	C ²⁾	52SW2CBB	47.00	
	Short lever, non-Illuminated	white	D	52SX2DBB	47.00	
	Long lever, non-Illuminated	white	D	52SW2DBB	47.00	
	Short lever, non-Illuminated	white	E	52SX2EBB	47.00	
	Long lever, non-Illuminated	white	E	52SW2EBB	47.00	
	Short lever, non-Illuminated	white	G	52SX2GBB	47.00	
	Long lever, non-Illuminated	white	G	52SW2GBB	47.00	
Spring return from left and right operation	Short lever, non-Illuminated	white	B	52SX2BDB	47.00	1
	Long lever, non-Illuminated	white	B	52SW2BDB	47.00	
	Short lever, non-Illuminated	white	C ²⁾	52SX2CDB	47.00	
	Long lever, non-Illuminated	white	C ²⁾	52SW2CDB	47.00	
	Short lever, non-Illuminated	white	D	52SX2ddb	47.00	
	Long lever, non-Illuminated	white	D	52SW2ddb	47.00	
	Short lever, non-Illuminated	white	E	52SX2EDB	47.00	
	Long lever, non-Illuminated	white	E	52SW2EDB	47.00	
	Short lever, non-Illuminated	white	G	52SX2GDB	47.00	
	Long lever, non-Illuminated	white	G	52SW2GDB	47.00	
Selector Switches with 4 switching positions						
Maintained operation	Non-Illuminated, Short lever	white	H	52SX2HAB	30.50	1
	Non-Illuminated, Long lever	white	H	52SW2HAB	30.50	

1) For contact operation, see cam selection table on page 16/209.

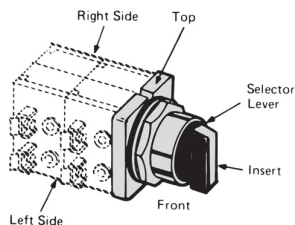
2) C- Cam is limited to 4 contact blocks, 1 or 2 pole, SR only.

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Cam Selection

Selection and ordering data



Ordering Information

- Contact blocks are ordered separately, see page 16-213.
- Under Selector Position find the selector operation required (2 or 3 position).
- Select the contact operation required for each selector lever position (X indicates when contacts are closed).
- The cam letter column identifies the cam of the selector operator.
- Contact block must be assembled in position shown for each circuit application.
- Cam D, E or G may be ordered at the same price by changing the 6th character of the selector catalog number. Example: Selector with D cam **51SA2DA**.
- C Cam on spring return selectors is limited to 4 contact blocks.
- Selector operators in enclosures are limited to depth of 1 contact block. (2 blocks wide).

	Lever or key operators (viewed from front)				Cam letter	Contact block catalog no.	Mounting (viewed from front)					
	Selector position	Lever position (X indicates contact closed)										
		Left		Right			Left		Right			
	2	X		O	A	52BAJ (NC) 52BAK (NO)	L	or	R			
		O		X			L	or	R			
		Illuminated										
		X		O			L					
	O		X		A	52BAJ (NC) 52BAK (NO)	L					
		Left	Center	Right	Right							
	3	X	O	O	B	52BAK (NO) 52BAK (NO) 52BAJ (NC) 52BAJ (NC) 2 - 52BAK* (NO)	L		R			
		O	O	X			L					
		X	X	O			L					
		O	X	X			L		R			
		X	O	X			L	and	R			
		X	O	O			L	or	R			
		O	O	X			L	or	R			
		O	X	O			L	or	R			
		O	O	X			L	or	R			
		O	O	O			L	or	R			
		O	X	O			L	or	R			
		X	O	O			L					
		O	X	O			L					
		O	O	X			L					
		Illuminated					L					
		O	O	X			L					
		O	X	O					R			
		O	O	X					R			
				Left			Left center	Right center	Right			
			4	X			O	O	H	52BAK (NO) 52BAJ (NC) 52BAJ (NC) 52BAK (NO)	L	
	O			X	O	O						
O	O			X	O		R					
O	O			O	X	L						
	Selector pushbutton operators											
		Left N	D	N	Right D							
	2	X	O	O	O	Q	52BAK (NO) 52BAJ (NC) 52BAJ (NC) 52BAK (NO)	L		R		
		X	X	O	O							
		O	X	O	X							
		O	O	O	X							
		X	O	O	O			P	L		R	
		O	X	X	X				L	or	R	
		X	X	X	O				L	or	R	
		X	O	X	X			R			R	
		O	X	O	O						R	
	O	O	O	X	L							
		Left N	D	Center D	N	Right D						
	3	X	X	O	O	O	S	L				
		X	O	X	X	O		O			R	
		O	X	O	O	O		X			R	
		O	O	O	X	O		X	L			

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Custom Selector Switch Designs

Selection and ordering data

Assembled Non-illuminated Selector Switches

- Determine contact block and location from above.
 - Select block suffix. Ex: **J** = **52BAJ**.
 - Now select position suffix.
 - **1-52BAJ** block mounted on right side, suffix will be **J 1**.
- Additional suffixes allow for multiple quantities and locations.
 - Repeat process for next block if required.
 - Add list price of blocks to operator list price.
 - Consult factory for delivery.

Example 1:	Block Suffix	Position Suffix	
		Suffix	Quantity and Location
X O O O O X HAND-OFF-AUTO Maintained Switch Catalog No 52SA2CAB A 1 = 52A2CABA1 (52BJK block mounted on right side) Example 2: X O O O X O O O X 52BAJ (L) 52BAJ (R) 52BAK (L or R) } J2 } K1 G Cam required Catalog No 52SA2GAB J2 K1 = 52SA2GABJ2K1	A = 1 NO - 1 NC, 52BJK E = NC Late Break, 52BAE H = NO Early Make, 52BAH J = NC, 52BAJ K = NO, 52BAK	0	1
		1	—
		2	1
		3	2
		4	—
		5	2
		6	1
		7	2
		8	3
		9	—

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Accessories and Spare Parts

Selection and ordering data

	Version	Suitable for	Lamp voltage	Color	Order no.	List Price \$
	Flush actuator button	For flush type, non-illuminated pushbuttons		black	52RA1A1	1.60
				red	52RA1A2	1.60
				green	52RA1A3	1.60
				yellow	52RA1A4	1.60
				blue	52RA1A5	1.60
				gray	52RA1A6	1.60
				orange	52RA1A8	1.60
				kit- all colors	52RA1AN	11.20
	Extended actuator button	For extended type, non-illuminated pushbuttons		black	52RA1B1	1.60
				red	52RA1B2	1.60
				green	52RA1B3	1.60
				yellow	52RA1B4	1.60
				blue	52RA1B5	1.60
				gray	52RA1B6	1.60
				orange	52RA1B8	1.60
				1 of each color cap	52RA1BN	11.20
	Mushroom head - Plastic	For small 1 5/8"(41.3mm) type, non-illuminated mushroom pushbuttons and push-pull; set screw		black	52RB3D1	8.20
				red	52RB3D2	8.20
				green	52RB3D3	8.20
				yellow	52RB3D4	8.20
				blue	52RB3D5	8.20
				gray	52RB3D6	8.20
				orange	52RB3D8	8.20
				1 of each color cap	52RB3DN	65.60
	Mushroom head - Metal	For small 1 5/8"(41.3mm) type, non-illuminated push-pull; set screw		chrome	52RB3FC	17.80
				red	52RB3F2	17.80
				green	52RB3F3	17.80
	Mushroom head - Plastic	For large 2 1/2"(63.5mm) type, non-illuminated mushroom pushbuttons and push-pull; set screw		black	52RB3E1	16.40
				red	52RB3E2	16.40
				green	52RB3E3	16.40
				yellow	52RB3E4	16.40
				blue	52RB3E5	16.40
				gray	52RB3E6	16.40
				orange	52RB3E8	16.40
				1 kit of each color cap	52RB3EN	131.00
	Illuminated mushroom head Illuminated metal	For 1 3/4" illuminated mushroom head pushbuttons; threaded		red	52RB3H2	18.00
				green	52RB3H3	18.00
				amber	52RB3H9	18.00
	Illuminated plastic					
	green			52RB3JG	18.00	
	red			52RB3JR	18.00	
amber	52RB3JA	18.00				
	Replacement Lens for Pilot Lights Plastic lens			red	52RA4P2	5.80
				green	52RA4P3	5.80
				blue	52RA4P5	5.80
				amber	52RA4P9	5.80
				clear	52RA4PA	5.80
				white	52RA4PB	5.80
	Glass lens					
	red			52RA4G2	22.50	
	green			52RA4G3	22.50	
	blue			52RA4G5	22.50	
	amber			52RA4G9	22.50	
	clear			52RA4GA	22.50	
white	52RA4GB	22.50				
	Replacement Lens for Push to test/Illuminated pushbuttons Plastic lens			red	52RA5P2	5.80
				green	52RA5P3	5.80
				blue	52RA5P5	5.80
				amber	52RA5P9	5.80
				clear	52RA5PA	5.80
				white	52RA5PB	5.80

Pushbutton Units and Indicator Lights

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Accessories and Spare Parts

Selection and ordering data

	Version	Suitable for	Lamp voltage	Color	Order no.	List Price
						\$
	Replacement lens kit for illuminated selector switches Knob & Insert			red	52RA6P2	5.80
				green	52RA6P3	5.80
				blue	52RA6P5	5.80
				amber	52RA6P9	5.80
				clear	52RA6PA	5.80
				white	52RA6PB	5.80
	Lever inserts Short lever Long lever			red	52RA2A2	0.40
				green	52RA2A3	0.40
				blue	52RA2A5	0.40
				yellow	52RA2A4	0.40
				gray	52RA2A6	0.40
				orange	52RA2A8	0.40
				white	52RA2AB	0.40
				red	52RA2B2	0.40
				green	52RA2B3	0.40
				blue	52RA2B5	0.40
				yellow	52RA2B4	0.40
				gray	52RA2B6	0.40
				orange	52RA2B8	0.40
				white	52RA2BB	0.40
	Replacement lens for compact style pilot lights Replacement lenses			red	52RA7P2	5.80
				green	52RA7P3	5.80
				blue	52RA7P5	5.80
				amber	52RA7P9	5.80
				clear	52RA7PA	5.80
				white	52RA7PB	5.80
             	① Clear protective boot Offers protection from ice and foreign substances from interfering with button operation	Flush pushbutton operators			52AABA	16.40
	② Pushbutton guard Prevents accidental operation of the pushbutton	Non-Illuminated pushbuttons			52AAGP	8.20
	Lens guard	Black Max styles, non-Illuminated push-buttons			52AXGP	8.20
		Push to test buttons and pilot lights			52AAGL	8.20
		Black Max styles, push to test buttons and pilot lights			52AXGL	8.20
	③ Guard for mushroom head Additional hole spacing is required on adjacent devices	1 5/8" (41.3mm) mushroom head pushbutton and push-pull operators			52AAGM	33.00
		Black Max styles, 1 5/8" (41.3mm) mushroom head pushbutton and push-pull operators			52AXGM	33.00
	④ Pushbutton locknut Replacement front ring	Pushbutton and push-to-test device			52AANP	2.70
		Black Max styles			52AXNP	2.70
	⑤ Push-pull/pilot light locknut Replacement front ring	Mushroom head and pilot light indicators			52AANL	2.70
		Black Max styles			52AXNL	2.70
	⑥ Selector switch locknut Replacement front ring	Selector switch			52AANS	2.70
	Padlock attachments	Black Max styles, selector switch			52AXNS	2.70
		Flush pushbutton operators			52AALA	24.50
		Extended operators ¹⁾			52AALB	24.50
	⑦ Padlock cover Can be used to lock devices in the off position	Pushbuttons, selector switches, and non-illuminated mushroom heads			52AALS	49.00
		Pushbuttons, selector switches, and illuminated mushroom heads			52AALE	47.00
	⑧ Lock nut wrench	All devices			52MAWB	24.50
	⑨ Hole plugs	Corrosion resistant			52AAH6	8.20
		Steel, gray			52ABH6	8.20
		Stainless steel			52ABHS	24.50
	Spare keys	501CH (1 key)			D28671015	5.60
	Grounding kit	All devices			52AL109145	4.20
	⑩ Touchsafe shield	Illuminated devices (Current revisions only)			52AASH	2.40
	⑪ Black boot	Extended or flush pushbuttons			52AAB1	16.40
	⑫ Rubber gasket (5)	All devices			52AAD	2.40
	⑬ Yellow 90 mm ESTOP ring	All E-Stops			52AAR	4.50

1) Must be used with step raised cap- 52PA8C2.