

# 800T/H 30 mm Push Buttons



Time-tested Durability, Industry Proven –  
A Legacy of Leadership



LISTEN.  
THINK.  
SOLVE.®

# Imitated, But Never Duplicated

The Allen-Bradley Bulletin 800T and 800H push button product lines are in a class by themselves. They are designed and constructed to perform in the most demanding industrial environments. Bold yet functional, rugged yet attractive, Allen-Bradley's 30 mm push buttons represent the world's most innovative and unique offering.

## Solid-Color Button Cap

Thermoplastic polyester resin delivers excellent resistance to corrosive agents/color identification is never lost (no insert to lose).

## Actuator Shaft

Rugged, dependable performance assured by zinc alloy casting.

## Return Spring

Stainless steel formed wire delivers consistent operation and long life.

## Operator Bushing

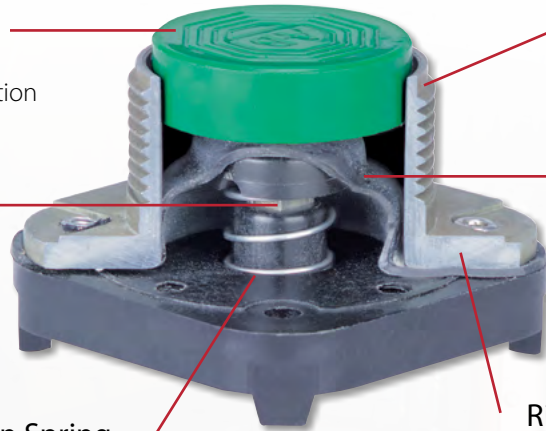
Die cast zinc alloy gives strength and stability in installation.

## Diaphragm Seal

Provides a complete blanket of protection from liquids, particles and corrosive agents.

## Riveted Construction

Operator bushing, diaphragm seal and base plate are secured together by four steel rivets, providing durability and tamper resistance.



# Fast, Easy Installation



Operator with factory installed contact blocks



Gaskets provide type 4/13 ingress protection



Legend plate



Thrust washer with anti-turn tab



Mounting ring

## Worldwide Solutions

- Designed to worldwide standards



## Switching Safety

### Selector Switches

- Positive detent – prevents the switch from hanging up between positions
- Constant energy – minimizes accidental switching to an unwanted change in contact state

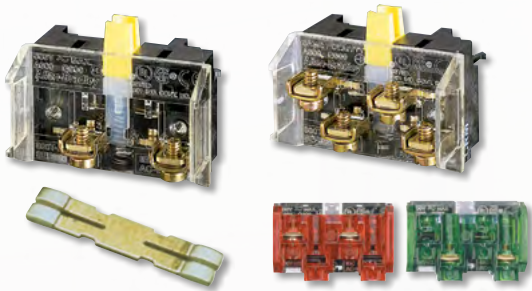


# Advanced Switching Functionality

Allen-Bradley's wide range of contact blocks, offering features and capabilities found no where else in the industry, can address more applications and environments.

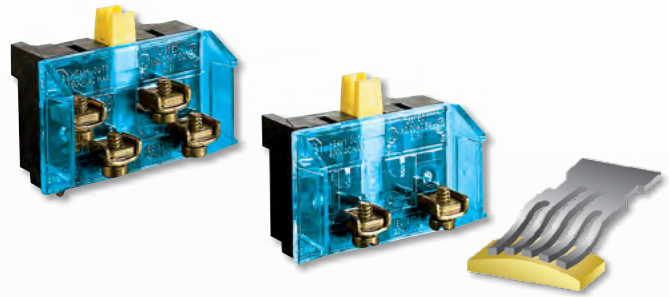
## Standard Contact Blocks

- 10 A max., A600 rated – for general purpose use
- Flexible bifurcated spanner provides increased contact reliability
- Pure fine silver contacts resist corrosion
- Self-lifting saddle clamps simplify wiring
- Clear side plates allow easy inspection of contacts
- Optional color-coded finger safe (IP2X) versions



## PenTUFF™ Contact Blocks

- 2.5 A max., C300 rated
- Low voltage switching reliability to 5V DC, 1 mA – ideal for interfacing with programmable logic controller input circuits
- Direct drive pentafurcated contact design
- Spanner made from corrosion resistant inert precious metals
- Optional finger-safe (IP2X) versions



## Explosion-Protected Contact Blocks

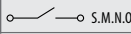
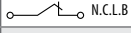
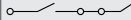
- Class I Div. 2 (Groups A, B, C and D) certified
- 1-NO, 1-NC, A600 rated (10 A max)
- Positive opening NC contact, conformance to global E-stop standards
- Rugged construction ideal for applications with high shock and vibration
- Stackable design allows maximum circuit flexibility



## Self-Monitoring™ Contact Blocks

- Ensures that the normally closed contacts will open when the E-stop is actuated
- 10 A max., A600 rated
- Bifurcated spanner with pure fine silver contacts
- Color-coded yellow for easy identification
- IP2X finger safe protection standard



	Normal Operation	Actuated Button	Improperly Installed
	X	X	O
	X	O	X
	X	O	O

Note: X = Closed 0 = Open

### Logic Reed Blocks



### Sealed Switch Blocks



### Mini Blocks



### MaxDuty™ Blocks
















### Snap Action & Time Delay Blocks





















# Push Button Devices

## Momentary Contact Push Buttons, Non-Illuminated











		Type 4/13 Metal (800T)		Type 4/4X/13 Plastic (800H)	
		Flush Head	Extended Head	Bootless Flush Head	Booted
Contact Configuration	Color				
1 N.O.		800T-A1D1	800T-B1D1	800H-AR1D1	800H-R1D1
		800T-A2D1	800T-B2D1	800H-AR2D1	800H-R1D1
		800T-A6D1	800T-B6D1	800H-AR6D1	800H-R6D1
1 N.C.		800T-A1D2	800T-B1D2	800H-AR1D2	800H-R1D2
		800T-A2D2	800T-B2D2	800H-AR2D2	800H-R2D2
		800T-A6D2	800T-B6D2	800H-AR6D2	800H-R6D2
1 N.O. – 1 N.C.		800T-A1A	800T-B1A	800H-AR1A	800H-R1A
		800T-A2A	800T-B2A	800H-AR2A	800H-R2A
		800T-A6A	800T-B6A	800H-AR6A	800H-R6A

Other colors available: blue, gray, orange and white.

## Momentary Contact Push Buttons, Non-Illuminated with Two-Color Molded Legend Cap











					Type 4/13 Metal (800T)	Type 4/4X/13 Plastic (800H)
Contact Configuration	Button Color	Legend Color	Legend	Head Type		
1 N.O. – 1 N.C.			Start	Flush	800T-A103WA	800H-AR103WA
			Stop	Extended	800T-B604WA	800H-BR604WA
1 N.O. – 1 N.C.			Forward	Flush	800T-A210WA	800H-AR210WA
			Reverse	Flush	800T-A210WA	800H-AR210WA
			Jog	Flush	800T-A210WA	800H-AR212WA
			Up	Flush	800T-A210WA	800H-AR213WA
			Down	Flush	800T-A210WA	800H-AR214WA
			Reset	Flush	800T-A707WA	800H-AR707WA

## Momentary Contact Push Buttons, Illuminated

		Type 4/13 Metal (800T)		Type 4/4X/13 Plastic (800H)	
		Extended Head without Guard	Extended Head with Guard	Extended Head without Guard	Extended Head with Guard
Type	Color				
Universal LED 12–130V AC/DC 1 N.O. – 1 N.C.		800T-QBH2R	800T-QAH2R	800H-QRBH2R	800H-QRAH2R
		800T-QBH2G	800T-QAH2G	800H-QRBH2G	800H-QRAH2G
		800T-QBH2A	800T-QAH2A	800H-QRBH2A	800H-QRAH2A
Transformer LED 120V AC, 50/60 HZ 1 N.O. – 1 N.C.		800T-PBH16R	800T-PAH16R	800H-PRBH16R	800H-PRAH16R
		800T-PBH16G	800T-PAH16G	800H-PRBH16G	800H-PRAH16G
		800T-PBH16A	800T-PAH16A	800H-PRBH16A	800H-PRAH16A

Other colors available: blue, clear, yellow and white.

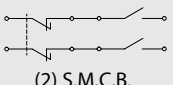





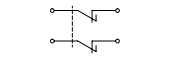
# Pilot Light Devices

Type	Color	Type 4/13 Metal (800T)		Type 4/4X/13 Plastic (800H)	
		Standard Type	Push-to-Test	Standard Type	Push-to-Test
Universal LED 12-130V AC/DC					
		800T-QH2G	800T-QTH2G	800H-QRH2G	800H-QRTH2G
		800T-QH2A	800T-QTH2A	800H-QRH2A	800H-QRTH2A
Transformer LED 120V AC, 50/60 HZ		800T-PH16R	800T-PTH16R	800H-PRH16R	800H-PRTH16R
		800T-PH16G	800T-PTH16G	800H-PRH16G	800H-PRTH16G
		800T-PH16A	800T-PTH16A	800H-PRH16A	800H-PRTH16A





Other colors available: blue, clear, white and yellow

# Emergency-Stop and Push-Pull Devices

## 2-Position Push-Pull and Trigger Action, Non-Illuminated

Contact Configuration	Operator Position	Type 4/13 Metal (800T)			Type 4/4X/13 Plastic (800H)
		Push-Pull	Trigger Action Twist Release	Trigger Action Key Release	Trigger Action Twist Release
 (2) S.M.C.B.					
 (2) N.C.L.B./ (2) N.C.		800TC-FX6A5	800T-TFXT6A4	800T-TFXK6A4	800H-TFRXT6A4

## 2-Position Push-Pull and Trigger Action, Illuminated

Type	Operator Position	Type 4/13 Metal (800T)		Type 4/4X/13 Plastic (800H)
		Push-Pull	Trigger Action Twist Release	Trigger Action Twist Release
Universal LED 12...130V AC/DC (1) N.O. (1) S.M.C.B.				
Transformer, LED 120V AC, 50/60 HZ (1) N.O. (1) N.C.L.B./N.C.		800T-FXPH16RA1	800T-TFXTPH16RA1	800H-TFRXTPH16RA

# Selector Switch Devices

## 2-Position Selector Switches, Non-Illuminated

Contact Configuration	Operator Type	Type 4/13 Metal (800T)			Type 4/4X/13 Plastic (800H)
		Standard Knob	Knob Lever	Cylinder Lock	Standard Knob
1 N.O. – 1 N.C.					
		800T-H4A	800T-H18A	800T-H42A	800H-HR4A
		800T-H5A	800T-H19A	800T-H48A	800H-HR5A









## 2-Position Selector Switches, Illuminated

Type	Operator Type	Type 4/13 Metal (800T)	Type 4/4X/13 Plastic (800H)
		Standard Knob	Standard Knob
Universal LED 12–130V AC/DC Red Knob 1 N.O. – 1 N.C.			
		800T-2HRH4KL8AX	800H-2HRRH4KL8AX
		800T-2HRH5KL8AX	800H-2HRRH5KL8AX
Transformer Red LED 120V AC, 50/60 HZ 1 N.O. – 1 N.C.		800T-16HRH2KB6AX	800H-16HRRH2KB6AX
		800T-16HRH4KL8AX	800H-16HRRH4KL8AX
		800T-16HRH5KL8AX	800H-16HRRH5KL8AX











For more information on our complete family of 30 mm and other push button products, please visit:  
<http://ab.rockwellautomation.com/Push-Buttons-and-Signaling-Devices>








### 3-Position Selector Switches, Non-Illuminated

Contact Configuration	Operator Type	Type 4/13 Metal (800T)			Type 4/4X/13 Plastic (800H)
		Standard Knob	Knob Lever	Cylinder Lock	Standard Knob
1 N.O. – 1 N.C.					
		800T-J4A	800T-J18A	800T-J50A	800H-JR4A
		800T-J5A	800T-J19A	800T-J38A	800H-JR5A
		800T-J91A	800T-J20A	800T-J631A	800H-JR91A

### 3-Position Selector Switches, Illuminated

Type	Operator Type	Type 4/13 Metal (800T)	Type 4/4X/13 Plastic (800H)
		Standard Knob	Standard Knob
Universal LED 12-130V AC/DC Red Knob 1 N.O. – 1 N.C.			
		800T-2JRH4KB7AX	800H-2JRRH4KB7AX
		800T-2JRH5KB7AX	800H-2JRRH5KB7AX
Transformer Red LED 120V AC, 50/60 HZ 1 N.O. – 1 N.C.		800T-16JRH2KB7AX	800H-16JRRH2KB7AX
		800T-16JRH4KB7AX	800H-16JRRH4KB7AX
		800T-16JRH5KB7AX	800H-16JRRH5KB7AX

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

Contact Configuration	Operator Type	Type 4/13 Metal (800T)			Type 4/4X/13 Plastic (800H)
		Standard Knob	Knob Lever	Cylinder Lock	Standard Knob
2 N.O. – 2 N.C.					
		800T-N3KF4B	800T-N29KF4B	800T-N133KF4B	800H-NR3KF4B
		800T-N9KF4B	800T-N30KF4B	800T-N233KF4B	800H-NR9KF4B

# Specialty Devices

Potentiometer Units



Cylinder Lock Push Buttons (800T only)



Momentary Contact Flip Lever Push Buttons (800H only)



Selector Push Button Units (800T only)

Momentary Wobble Stick Units (800T only)



1-2-3-4-Way Toggle Switches (800T only)



Mechanically Interlocked Maintained Push Buttons






Momentary Padlocking Mushroom Head Push Buttons (800T only)

Cluster Pilot Lights (800T only)



# Assembled Stations

Contact Configuration	Button Color	Legend Marking	Type 4/13 Metal (800T)		
			Die Cast Aluminum	Stainless Steel (Booted Operator)	Glass Polyester (Booted Operator)
One Push Button	●	Stop			
	●	Start	800T-1TA	800H-1HA4T	800H-1HA4R
	●	Emergency Stop	800T-1TB	800H-1HB4T	800H-1HB4R
	●	Break Glass	800T-1TYM	-	-
Two Push Buttons	●	Start	800T-NX114	-	-
	●	Stop	800T-2TA	800H-2HA4T	800H-2HA4R
Three-position Selector Switch	●	Hand-Off-Auto	800T-R3TA	-	-

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