



# The Time-saving Product Line

Quick Selection, Fast Mounting, Superior Reliability



**Allen-Bradley**

**800E Overview  
Push Buttons and Pilot Lights**



**Rockwell  
Automation**

Bringing Together Leading Brands in Industrial Automation



### Push Button, Non-illuminated, Momentary, Flush

EP	ES	EM
○ 800EP-F1	800ES-F1	800EM-F1
● 800EP-F2	800ES-F2	800EM-F2
● 800EP-F3	800ES-F3	800EM-F3
● 800EP-F4	800ES-F4	800EM-F4
● 800EP-F5	800ES-F5	800EM-F5
● 800EP-F6	800ES-F6	800EM-F6
✕ 800EP-F9	800ES-F9	800EM-F9

✕ Push Button without Cap

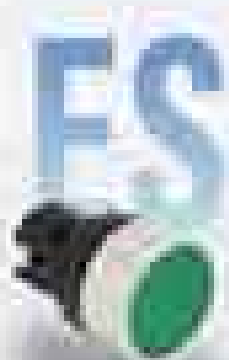
EP = Plastic Operator with Black Plastic Front Ring



### Push Button, Illuminated, Momentary, Flush

EP	ES	EM
● 800EP-LF3	800ES-LF3	800EM-LF3
● 800EP-LF4	800ES-LF4	800EM-LF4
● 800EP-LF5	800ES-LF5	800EM-LF5
● 800EP-LF6	800ES-LF6	800EM-LF6
○ 800EP-LF7	800ES-LF7	800EM-LF7
✕ 800EP-LF9	800ES-LF9	800EM-LF9

✕ Push Button without Cap



### Push Button, Non-illuminated, Alternate Action, Flush

EP	ES	EM
○ 800EP-FA1	800ES-FA1	800EM-FA1
● 800EP-FA2	800ES-FA2	800EM-FA2
● 800EP-FA3	800ES-FA3	800EM-FA3
● 800EP-FA4	800ES-FA4	800EM-FA4
● 800EP-FA5	800ES-FA5	800EM-FA5
● 800EP-FA6	800ES-FA6	800EM-FA6
✕ 800EP-FA9	800ES-FA9	800EM-FA9

✕ Push Button without Cap

### Push Button, Illuminated, Alternate Action, Flush

EP	ES	EM
● 800EP-LFA3	800ES-LFA3	800EM-LFA3
● 800EP-LFA4	800ES-LFA4	800EM-LFA4
● 800EP-LFA5	800ES-LFA5	800EM-LFA5
● 800EP-LFA6	800ES-LFA6	800EM-LFA6
○ 800EP-LFA7	800ES-LFA7	800EM-LFA7
✕ 800EP-LFA9	800ES-LFA9	800EM-LFA9

✕ Push Button without Cap

ES = Plastic Operator with Shiny Metal Front Ring



### Push Button, Non-illuminated, Momentary, Extended

EP	ES	EM
○ 800EP-E1	800ES-E1	800EM-E1
● 800EP-E2	800ES-E2	800EM-E2
● 800EP-E3	800ES-E3	800EM-E3
● 800EP-E4	800ES-E4	800EM-E4
● 800EP-E5	800ES-E5	800EM-E5
● 800EP-E6	800ES-E6	800EM-E6

### Push Button, Illuminated, Momentary, Extended

EP	ES	EM
● 800EP-LE3	800ES-LE3	800EM-LE3
● 800EP-LE4	800ES-LE4	800EM-LE4
● 800EP-LE5	800ES-LE5	800EM-LE5
● 800EP-LE6	800ES-LE6	800EM-LE6
○ 800EP-LE7	800ES-LE7	800EM-LE7
✕ 800EP-LE9	800ES-LE9	800EM-LE9

✕ Push Button without Cap

EM = Metal Operator with Shiny Metal Front Ring

### Push Button, Non-illuminated, Alternate Action, Extended

EP	ES	EM
○ 800EP-EA1	800ES-EA1	800EM-EA1
● 800EP-EA2	800ES-EA2	800EM-EA2
● 800EP-EA3	800ES-EA3	800EM-EA3
● 800EP-EA4	800ES-EA4	800EM-EA4
● 800EP-EA5	800ES-EA5	800EM-EA5
● 800EP-EA6	800ES-EA6	800EM-EA6

### Reset Push Button

EP	ES	EM
● 800EP-R607W	800ES-R607W	800EM-R607W
● 800EP-R611W	800ES-R611W	800EM-R611W
✕ 800EP-R9	800ES-R9	800EM-R9

✕ Push Button without Cap

Rod Length 36-312mm

## Back-of-Panel Components

Plastic



### Lamp Module with Lamp Test

800E-3DD0	Standard	
800E-3RDD7	240/130V AC	



### Transformer Module with Lamp Module

800E-3T5	110...120V/6V-1.2VA	
800E-3T7	220...240V/6V-1.2VA	
800E-3T10	400V/6V-1.2VA	
800E-3T14	600V/6V-1.2VA	
800E-3TH7	220...240/24V-1.2VA	
800E-3TH10	400/24V-1.2VA	

Metal



### Lamp Module (Latch incl.) with Lamp Test

800E-2DDL3	24V AC/DC	
800E-2DDL5	120V AC	



### Transformer Module (Latch incl.) with Lamp Module

800E-2TL5	110...120V/6V-1.2VA	
800E-2TL7	220...240V/6V-1.2VA	
800E-2TL10	400V/6V-1.2VA	
800E-2TL14	600V/6V-1.2VA	



### Pilot Light

EP	EM
800EP-P3	800EM-P3
800EP-P4	800EM-P4
800EP-P5	800EM-P5
800EP-P6	800EM-P6
800EP-P7	800EM-P7



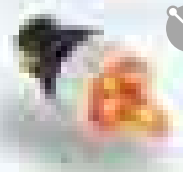
### Pilot Light, Optically Enhanced

EP	EM
800EP-PL3	800EM-PL3
800EP-PL4	800EM-PL4
800EP-PL5	800EM-PL5
800EP-PL6	800EM-PL6
800EP-PL7	800EM-PL7



### Selector Switch, Non-illuminated, 2 Position, Maintained

EP	ES	EM
800EP-SM21	800ES-SM21	800EM-SM21
800EP-SM22	800ES-SM22	800EM-SM22
800EP-SM23	800ES-SM23	800EM-SM23
800EP-SM24	800ES-SM24	800EM-SM24
800EP-SM25	800ES-SM25	800EM-SM25
800EP-SM26	800ES-SM26	800EM-SM26



### Selector Switch, Illuminated, 2 Position, Maintained

EP	ES	EM
800EP-LSM21	800ES-LSM21	800EM-LSM21
800EP-LSM23	800ES-LSM23	800EM-LSM23
800EP-LSM24	800ES-LSM24	800EM-LSM24
800EP-LSM25	800ES-LSM25	800EM-LSM25
800EP-LSM26	800ES-LSM26	800EM-LSM26



### Selector Switch, Non-illuminated, 2 Position, Spring Return

EP	ES	EM
800EP-SR21	800ES-SR21	800EM-SR21
800EP-SR22	800ES-SR22	800EM-SR22
800EP-SR23	800ES-SR23	800EM-SR23
800EP-SR24	800ES-SR24	800EM-SR24
800EP-SR25	800ES-SR25	800EM-SR25
800EP-SR26	800ES-SR26	800EM-SR26



### Selector Switch, Illuminated, 2 Position, Spring Return

EP	ES	EM
800EP-LSR21	800ES-LSR21	800EM-LSR21
800EP-LSR23	800ES-LSR23	800EM-LSR23
800EP-LSR24	800ES-LSR24	800EM-LSR24
800EP-LSR25	800ES-LSR25	800EM-LSR25
800EP-LSR26	800ES-LSR26	800EM-LSR26



### Selector Switch, Non-illuminated, 2 Position, Spring Return

EP	ES	EM
800EP-SL21	800ES-SL21	800EM-SL21
800EP-SL22	800ES-SL22	800EM-SL22
800EP-SL23	800ES-SL23	800EM-SL23
800EP-SL24	800ES-SL24	800EM-SL24
800EP-SL25	800ES-SL25	800EM-SL25
800EP-SL26	800ES-SL26	800EM-SL26



### Selector Switch, Illuminated, 2 Position, Spring Return

EP	ES	EM
800EP-LSL21	800ES-LSL21	800EM-LSL21
800EP-LSL23	800ES-LSL23	800EM-LSL23
800EP-LSL24	800ES-LSL24	800EM-LSL24
800EP-LSL25	800ES-LSL25	800EM-LSL25
800EP-LSL26	800ES-LSL26	800EM-LSL26

### Lamp Module

800E-3D0	Standard	
800E-3R7	240/130V AC	

### Contact Block

800E-3X10	
800E-3X01	
800E-3X10E	
800E-3X01L	
800E-3X10V (0.1mA)	
800E-3X01V (0.1mA)	

### Lamp Module (Latch incl.)

800E-2DLO	Standard	
800E-2RL7	240/130V AC	

800E-2X10	
800E-2X01	
800E-2X10E	
800E-2X01L	
800E-2X10V (0.1mA)	
800E-2X01V (0.1mA)	



### Selector Switch, Non-illuminated, 3 Position, Maintained

EP	ES	EM
○ 800EP-SM31	800ES-SM31	800EM-SM31
● 800EP-SM32	800ES-SM32	800EM-SM32
● 800EP-SM33	800ES-SM33	800EM-SM33
● 800EP-SM34	800ES-SM34	800EM-SM34
● 800EP-SM35	800ES-SM35	800EM-SM35
● 800EP-SM36	800ES-SM36	800EM-SM36



### Selector Switch, Illuminated, 3 Position, Maintained

EP	ES	EM
○ 800EP-LSM31	800ES-LSM31	800EM-LSM31
● 800EP-LSM33	800ES-LSM33	800EM-LSM33
● 800EP-LSM34	800ES-LSM34	800EM-LSM34
● 800EP-LSM35	800ES-LSM35	800EM-LSM35
● 800EP-LSM36	800ES-LSM36	800EM-LSM36



### Selector Switch, Non-illuminated, 3 Position, Spring Return

EP	ES	EM
○ 800EP-SR31	800ES-SR31	800EM-SR31
● 800EP-SR32	800ES-SR32	800EM-SR32
● 800EP-SR33	800ES-SR33	800EM-SR33
● 800EP-SR34	800ES-SR34	800EM-SR34
● 800EP-SR35	800ES-SR35	800EM-SR35
● 800EP-SR36	800ES-SR36	800EM-SR36



### Selector Switch, Illuminated, 3 Position, Spring Return

EP	ES	EM
○ 800EP-LSR31	800ES-LSR31	800EM-LSR31
● 800EP-LSR33	800ES-LSR33	800EM-LSR33
● 800EP-LSR34	800ES-LSR34	800EM-LSR34
● 800EP-LSR35	800ES-LSR35	800EM-LSR35
● 800EP-LSR36	800ES-LSR36	800EM-LSR36



### Selector Switch, Non-illuminated, 3 Position, Spring Return

EP	ES	EM
○ 800EP-SL31	800ES-SL31	800EM-SL31
● 800EP-SL32	800ES-SL32	800EM-SL32
● 800EP-SL33	800ES-SL33	800EM-SL33
● 800EP-SL34	800ES-SL34	800EM-SL34
● 800EP-SL35	800ES-SL35	800EM-SL35
● 800EP-SL36	800ES-SL36	800EM-SL36



### Selector Switch, Illuminated, 3 Position, Spring Return

EP	ES	EM
○ 800EP-LSL31	800ES-LSL31	800EM-LSL31
● 800EP-LSL33	800ES-LSL33	800EM-LSL33
● 800EP-LSL34	800ES-LSL34	800EM-LSL34
● 800EP-LSL35	800ES-LSL35	800EM-LSL35
● 800EP-LSL36	800ES-LSL36	800EM-LSL36

### Selector Switch Interlock Ronis, 2 Position

EP	ES	EM
○ 800EP-KM2R1	800ES-KM2R1	800EM-KM2R1
○ 800EP-KM2R2	800ES-KM2R2	800EM-KM2R2
○ 800EP-KM2R3	800ES-KM2R3	800EM-KM2R3
○ 800EP-KR2R1	800ES-KR2R1	800EM-KR2R1
○ 800EP-KL2R2	800ES-KL2R2	800EM-KL2R2

Big Interlock Assortment

With Interlock Ronis 455, add «R» to Cat.No.  
e.g. 800EP-KL2R2R

### Selector Switch Interlock Ronis, 3 Position

EP	ES	EM
○ 800EP-KM3R1	800ES-KM3R1	800EM-KM3R1
○ 800EP-KM3R2	800ES-KM3R2	800EM-KM3R2
○ 800EP-KM3R3	800ES-KM3R3	800EM-KM3R3
○ 800EP-KM3R4	800ES-KM3R4	800EM-KM3R4
○ 800EP-KB3R4	800ES-KB3R4	800EM-KB3R4
○ 800EP-KR3R5	800ES-KR3R5	800EM-KR3R5
○ 800EP-KL3R7	800ES-KL3R7	800EM-KL3R7

With Interlock Ronis 455, add «R» to Cat.No.  
e.g. 800EP-KL3R7R

### Latch Plastic 800E-A3L

### Latch Metal 800E-A2L

### Plastic Enclosures

Holes	Grey Colour	Yellow Colour
1	800E-1P	800E-1PY
2	800E-2P	800E-2PY
3	800E-3P	800E-3PY
5	800E-5P	800E-5PY

### Aluminum Enclosures

Holes	Grey Colour	Yellow Colour
1	800E-1M	800E-1MY
2	800E-2M	
3	800E-3M	
5	800E-5M	



### Selector Switch, Non-illuminated, 4 Position, Maintained

EP	ES	EM
○ 800EP-SM41	800ES-SM41	800EM-SM41
● 800EP-SM42	800ES-SM42	800EM-SM42
● 800EP-SM43	800ES-SM43	800EM-SM43
● 800EP-SM44	800ES-SM44	800EM-SM44
● 800EP-SM45	800ES-SM45	800EM-SM45
● 800EP-SM46	800ES-SM46	800EM-SM46



### Selector Switch, Illuminated, 4 Position, Maintained

EP	ES	EM
○ 800EP-LSM41	800ES-LSM41	800EM-LSM41
● 800EP-LSM43	800ES-LSM43	800EM-LSM43
● 800EP-LSM44	800ES-LSM44	800EM-LSM44
● 800EP-LSM45	800ES-LSM45	800EM-LSM45
● 800EP-LSM46	800ES-LSM46	800EM-LSM46



### Selector Switch, Non-illuminated, 4 Position, Spring Return

EP	ES	EM
○ 800EP-SR41	800ES-SR41	800EM-SR41
● 800EP-SR42	800ES-SR42	800EM-SR42
● 800EP-SR43	800ES-SR43	800EM-SR43
● 800EP-SR44	800ES-SR44	800EM-SR44
● 800EP-SR45	800ES-SR45	800EM-SR45
● 800EP-SR46	800ES-SR46	800EM-SR46



### Selector Switch, Illuminated, 4 Position, Spring Return

EP	ES	EM
○ 800EP-LSR41	800ES-LSR41	800EM-LSR41
● 800EP-LSR43	800ES-LSR43	800EM-LSR43
● 800EP-LSR44	800ES-LSR44	800EM-LSR44
● 800EP-LSR45	800ES-LSR45	800EM-LSR45
● 800EP-LSR46	800ES-LSR46	800EM-LSR46



### Selector Switch, Non-illuminated, 4 Position, Spring Return

EP	ES	EM
○ 800EP-SL41	800ES-SL41	800EM-SL41
● 800EP-SL42	800ES-SL42	800EM-SL42
● 800EP-SL43	800ES-SL43	800EM-SL43
● 800EP-SL44	800ES-SL44	800EM-SL44
● 800EP-SL45	800ES-SL45	800EM-SL45
● 800EP-SL46	800ES-SL46	800EM-SL46



### Selector Switch, Illuminated, 4 Position, Spring Return

EP	ES	EM
○ 800EP-LSL41	800ES-LSL41	800EM-LSL41
● 800EP-LSL43	800ES-LSL43	800EM-LSL43
● 800EP-LSL44	800ES-LSL44	800EM-LSL44
● 800EP-LSL45	800ES-LSL45	800EM-LSL45
● 800EP-LSL46	800ES-LSL46	800EM-LSL46



### Joy Stick without Interlock

EM
800EM-JM2
800EM-JR2
800EM-JM4
800EM-JR4

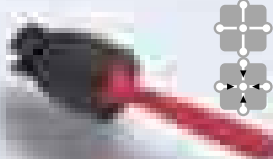
### Joy Stick with Interlock

EM
800EM-JLM2
800EM-JLR2
800EM-JLM4
800EM-JLR4



### Mushroom Push Button, Non-illuminated, Momentary

EP	ES	EM
○ 800EP-M1	800ES-M1	800EM-M1
● 800EP-M2	800ES-M2	800EM-M2
● 800EP-M3	800ES-M3	800EM-M3
● 800EP-M4	800ES-M4	800EM-M4
● 800EP-M5	800ES-M5	800EM-M5
● 800EP-M6	800ES-M6	800EM-M6



### Wobble Stick Operator

EP	EM
800EP-W4	800EM-W4
	800EM-W8 (Wobble Aluminium)

### Contact Block Base Mounted

800E-3BX10	
800E-3BX01	
800E-3BX10E	
800E-3BX01L	

### Lamp Module Base Mounted

800E-3DB0	
800E-3RB7	240/130V

## Accessories

Please see Publication  
A113.2 EN for complete 800E  
Push Button  
product information

Lamp
800E-N157 24 V 1.4 W
800E-N130 130 V 2.4 W

LED
○ 800E-N157W 24 V AC/DC
● 800E-N157G 24 V AC/DC
● 800E-N157R 24 V AC/DC
● 800E-N157A 24 V AC/DC
● 800E-N157B 24 V AC/DC

LED
○ 800E-N65W 6 V AC
● 800E-N65G 6 V AC
● 800E-N65R 6 V AC
● 800E-N65A 6 V AC
● 800E-N65B 6 V AC



### E-STOP Push Button 30 mm Mushroom

<b>EP</b>	<b>EM</b>
800EP-MTS34	800EM-MTS34
<b>Complete unit</b>	
1NC 800EP-MTS343LX01	800EM-MTS343LX01
1NC+1NO 800EP-MTS343LX11	800EM-MTS343LX11



### E-STOP Push Button Key Release, 30 mm Mushroom

<b>EP</b>	<b>EM</b>
800EP-MKR34	800EM-MKR34
<b>Complete unit</b>	
1NC 800EP-MKR343LX01	800EM-MKR343LX01
1NC+1NO 800EP-MKR343LX11	800EM-MKR343LX11



### E-STOP Push Button 40 mm Mushroom

<b>EP</b>	<b>EM</b>
800EP-MTS44	800EM-MTS44
<b>Complete unit</b>	
1NC 800EP-MTS443LX01	800EM-MTS443LX01
1NC+1NO 800EP-MTS443LX11	800EM-MTS443LX11



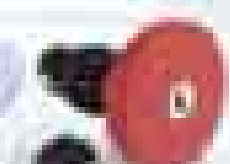
### E-STOP Push Button Key Release, 40 mm Mushroom

<b>EP</b>	<b>EM</b>
800EP-MKR44	800EM-MKR44
<b>Complete unit</b>	
1NC 800EP-MKR443LX01	800EM-MKR443LX01
1NC+1NO 800EP-MKR443LX11	800EM-MKR443LX11



### E-STOP Push Button 60 mm Mushroom

<b>EP</b>	<b>EM</b>
800EP-MTS64	800EM-MTS64
<b>Complete unit</b>	
1NC 800EP-MTS643LX01	800EM-MTS643LX01
1NC+1NO 800EP-MTS643LX11	800EM-MTS643LX11



### E-STOP Push Button Key Release, 60 mm Mushroom

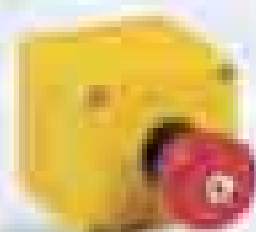
<b>EP</b>	<b>EM</b>
800EP-MKR64	800EM-MKR64
<b>Complete unit</b>	
1NC 800EP-MKR643LX01	800EM-MKR643LX01
1NC+1NO 800EP-MKR643LX11	800EM-MKR643LX11

With Interlock Ronis 455, add «R» to Cat.No.  
e.g. 800EP-MKR64R3LX11



### Emergency-Stop Operators

<b>Plastic Enclosure</b>	<b>Aluminum Enclosure</b>
1NC 800E-1PYP5A1	800E-1MYP5A1
1NC+1NO 800E-1PYP5A2	800E-1MYP5A2



### Emergency-Stop Operators with Key

<b>Plastic Enclosure</b>	<b>Aluminum Enclosure</b>
1NC 800E-1PYP6A1	800E-1MYP6A1
1NC+1NO 800E-1PYP6A2	800E-1MYP6A2

With Interlock Ronis 455, add «R» to Cat.No.  
e.g. 800E-1PYP6RA2

## Lower costs of mounting

Allen-Bradley Push Buttons are designed for easy mounting and removal.



Rotating collar for easy mounting and removal













### Anti-rotation Bushing Tab





- Provides accurate alignment and eliminates operator and legend plate rotation.
- Tab is easily removed for use in panels without notches.

# Complete Units











## Push Button, Non-illuminated, Momentary, Flush

	<b>EP</b> 800EP-F33LX10 800EP-F306W3LX10 800EP-F301W3LX10	<b>ES</b> 800ES-F33LX10 800ES-F306W3LX10 800ES-F301W3LX10		I START
	800EP-F13LX10 800EP-F106B3LX10 800EP-F101B3LX10	800ES-F13LX10 800ES-F106B3LX10 800ES-F101B3LX10		I START
	800EP-F43LX01 800EP-F405W3LX01 800EP-F402W3LX01	800ES-F43LX01 800ES-F405W3LX01 800ES-F402W3LX01		O STOP
	800EP-F23LX01 800EP-F205W3LX01 800EP-F202W3LX01	800ES-F23LX01 800ES-F205W3LX01 800ES-F202W3LX01		O STOP
	800EP-F63LX10 800EP-F611W3LX10 800EP-F607W3LX10	800ES-F63LX10 800ES-F611W3LX10 800ES-F607W3LX10		R RESET






## Selector Switch, Non-illuminated

<b>EP</b>	<b>ES</b>		
800EP-SM223LX10 800EP-SM323LX20	800ES-SM223LX10 800ES-SM323LX20		

## Push Button, Illuminated, Momentary, Flush









<b>EP</b>	<b>ES</b>		
800EP-LF33DLOX10 800EP-LF43DLOX01 800EP-LF53DLOX10 800EP-LF63DLOX10 800EP-LF73DLOX10	800ES-LF33DLOX10 800ES-LF43DLOX01 800ES-LF53DLOX10 800ES-LF63DLOX10 800ES-LF73DLOX10		
			
			
			

## Monolithic Pilot Light (Direct wire)

	800EP-PM3D0
	800EP-PM4D0
	800EP-PM5D0
	800EP-PM6D0
	800EP-PM7D0















## Monolithic Pilot Light

<b>EP</b>	
800EP-P33DLO 800EP-LF43DLO 800EP-LF53DLO 800EP-LF73DLO	
	
	
	
800EP-P33RL22 800EP-LF43RL22 800EP-LF53RL22 800EP-LF73RL22	
	
	
	



















Please order Lamps or LEDs separately

## Multi-Function Operator, Non-Illuminated, EP

NO 	800EP-U2B213LX11
NC 	
NO 	800EP-U2C213LX11
NC 	
NO 	800EP-U3A113LX21
NC 	
NO 	800EP-U2E213LX11
NC 	
NO 	800EP-U2F213LX11
NC 	
NO 	800EP-U3D113LX21
NC 	










## Multi-Function Operator, Illuminated, EP

NO 	800EP-LU2B213DLOX11	
NC 		
NO 	800EP-LU2B213RL22X11	
NC 		
NO 	800EP-LU2C213DLOX11	
NC 		
NO 	800EP-LU2E213DLOX11	
NC 		
NO 	800EP-LU2E213RL22X11	
NC 		
NO 	800EP-LU2F213DLOX11	
NC 		

To achieve IP66 with Multi-Function Operator, add protective boot accessory Catalog Number 800E-AUB1, 800E-AUB2 or 800E-AUB3

## Colour-coding for Push Button Actuators and their meanings according IEC 60204-1

Colour	Meaning	Explanation	Examples of application
 RED	Emergency	Actuate in the event of a hazardous condition or emergency	Emergency stop Initiation of emergency function
 YELLOW	Abnormal	Actuate in the event of an abnormal condition	Intervention to suppress abnormal condition Intervention to restart an interrupted automatic cycle
 GREEN	Normal	Actuate to initiate normal conditions	
 BLUE	Mandatory	Actuate for a condition requiring mandatory action	Reset function
 WHITE	No specific meaning assigned	For general initiation of functions except for emergency stop	START/ON (preferred) STOP/OFF
 GREY	No specific meaning assigned	For general initiation of functions except for emergency stop	START/ON STOP/OFF
 BLACK	No specific meaning assigned	For general initiation of functions except for emergency stop	START/ON STOP/OFF (preferred)

Note - Where a supplemental means of coding (e.g. shape, position, texture) is used for the identification of Push Button Actuators, then the same colour WHITE, GREY, or BLACK may be used for various functions (e. g. WHITE for START/ON and for STOP/OFF actuators).

## Colour-coding for Push Button Actuators and their meanings according IEC 60204-1

Push Button Actuators shall be colour-coded in accordance with above table.

The colours for START/ON actuators should be WHITE, GREY or BLACK with a preference for WHITE. GREEN is also permitted. RED shall not be used.

The colour RED shall be used for emergency stop and emergency switching off actuators.

The colours for STOP/OFF actuators should be BLACK, GREY, or WHITE with a preference for BLACK. GREEN shall not be used. RED is also permitted, but it is recommended that RED is not used near an emergency operation device.





WHITE, GREY, or BLACK are the preferred colours for Push Button Actuators that alternately act as START/ON and STOP/OFF Push Button. The colours RED, YELLOW, or GREEN shall not be used.

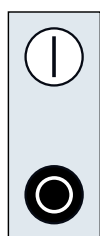
WHITE, GREY, or BLACK are the preferred colours for Push Button Actuators that cause operation while they are actuated and cease the operation when they are released (e.g. hold-to-run). The colours RED, YELLOW, or GREEN shall not be used.

Reset Push Buttons shall be BLUE, WHITE, GREY, or BLACK. Where they also act as a STOP/OFF button, the colours WHITE, GREY, or BLACK are preferred with the main preference being for BLACK. GREEN shall not be used.

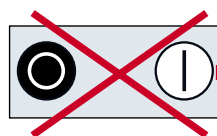
### Markings for Push Buttons

It is recommended that Push Buttons be marked, near to or preferably directly on the actuators, with the following symbols:

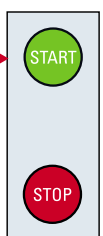
START or ON	STOP or OFF	Push Buttons acting alternately as START or STOP buttons and as ON or OFF buttons	Push Button acting as START or ON buttons when pressed and as STOP or OFF buttons when released (i.e. hold-to-run)
			
417-IEC-5007	417-IEC-5008	417-IEC-5010	417-IEC-5011



Location Push Button according IEC



North America Location Push Button





## Colours for Indicator Lights and their meanings with respect to the condition of the machine according IEC 60204-1

Colour	Meaning	Explanation	Action by operator
RED	Emergency	Hazardous condition	Immediate action to deal with hazardous condition (e. g. by operating emergency stop)
YELLOW	Abnormal	Abnormal condition Impending critical condition	Monitoring and/or intervention (e.g. by re-establishing the intended function)
GREEN	Normal	Normal condition	Optional
BLUE	Mandatory	Indication of a condition that requires action by the operator	Mandatory action
WHITE	Neutral	Other conditions; may be used when-ever doubt exists about the application of RED, YELLOW, GREEN, BLUE	Monitoring

## Indicator Lights and Displays according IEC 60204-1

### Modes of use

Indicator Lights and Displays serve to give the following types of information:

- **Indication:** to attract the operator's attention or to indicate that a certain task should be performed. The colours RED, YELLOW, GREEN and BLUE are normally used in this mode.
- **Confirmation:** to confirm a command, or a condition, or to confirm the termination of a change or transition period. The colours BLUE and WHITE are normally used in this mode and GREEN may be used in some cases.

### Colours

Unless otherwise agreed between the supplier and the user, Indicator (Pilot) Light lenses shall be colour-coded with respect to the condition (status) of the machine in accordance with above table.

Alternative meanings may be assigned (see IEC 60073) in accordance with one of the following criteria:

- the safety of persons and the environment;
- the state of the electrical equipment.

## Illuminated Push Buttons according IEC 60204-1

Illuminated Push Button Actuators shall be colour-coded in accordance with the tables. Where there is difficulty in assigning an appropriate colour, WHITE shall be used. The colour RED for the emergency stop actuator shall not depend on the illumination of its light.



# Superior Design

## Expect the Best 800E

The 800E line is designed and manufactured to meet demanding performance specifications. Using state-of-the-art solid modeling techniques and finite element analysis, every component built into 800E Push Buttons are optimized for durability and performance.

### Materials

- 800EP and ES lines are made of industrial grade thermoplastic for superior corrosion resistance.
- 800EM line is constructed of tough die cast zinc alloy, finished with corrosion resistant chromate.

### Two-Color Plastic Caps

- Saves space and simplifies installation by eliminating the need for separate legend plates.
- Two-color molding is more durable and longer-lasting than surface printing techniques.

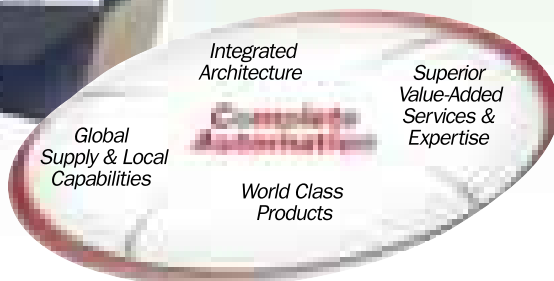
### Worldwide Solutions

- Designed to meet worldwide standards.
- UL Listed, CSA Rated, CE Marked, Third party approval: DEMKO
- Operator caps, legend plates and inserts available with international symbols, foreign languages, and custom markings.

### Accessories

- We offer the greatest selection of accessories in the market.
- The selection of security accessories ranges from guards to locking covers and locking attachments.

Please see Publication A113.2 EN for complete 800E Push Button product information



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