Emergency Stop Devices Push Buttons 800 E-Stops 0

Specifications—22.5mm

Front of Panel (Operators)

Mechanical Ratings Plastic Metal (800EP/ES) (800EM/EB) Description Vibration (assembled to 10 to 2000Hz, 1.52mm displacement (peak-to-peak) max./10g max. panel) 1/2 cycle sine wave for 11ms and no Shock damage at 100g Degree of protection IP66 (NEMA Type 3, IP66 (NEMA Type 3, 3R, 4, 4X, 12, 13) 3R, 4, 12, 13) Mechanical design life 500,000 cycles: mushroom 100,000 cycles: operators (typical) mushroom key operators (plastic), push-pull/twist 50,000 cycles: operators mushroom key operators (metal) Environmental Temperature range -25°C to +55°C (-13°F to +131°F) ❷ (operating): per IEC 947-1 -40°C to +70°C (85°C max. for 24 hours) Temperature range (short term storage): per IEC -40°F to +158°F (185°F max. for 24 hours) 947-1 Materials Bushings, mounting rings Glass-filled Die-cast zinc: dark thermoplastic olive chromate polyester, rated finish UL94 V-O Bezels Glass-filled Anodized aluminum thermoplastic (EB, EM, ES line) polyester, rated UL94 V-O Seals: diaphragm style Silicone rubber Seals: lip and flat gasket Nitrile rubber styles Illuminated lenses Transparent nylon Type 12

Back of Panel Components

Description	2-Across Style	3-Across Style			
Standard contact block	NEMA, EEMAC	NEMA, A600,			
ratings @	A600, Q600, VDE	Q600, 600V AC;			
	0660; AC15, DC 13	AC15, DC 13 to			
	to IEC 947	IEC 947			
Thermal current	10A max.	10A max. without			
	continuous current	enclosure (40°C			
	to UL508, CSA22.2	(104°F) ambient) 6A			
	#14, IEC 947, VDE	with enclosure			
	0660, part 200	(60°C (140°F))			
Terminal marking	Conforming to CENE	LEC EN50013			
Wire capacity (screw	Min of (1) #20AWG	#18 to #12AWG			
terminal)	Max of (2)	(0.75 to 2.5mm ²)			
	#14AWG or (1)	Max (2) #14AWG			
	#12AWG	or (1) #12 AWG			
Dielectric strength (min)	2,200V for one minut				
Electrical design life cycles	1,000,000 at 2A				
Electrical shock	Finger-safe conformin	na to IP2X			
protection: Per IEC 529	· ···j-· ····	.9			
Mechanical Ratings					
Vibration	10 to 2000Hz	10 to 150Hz			
	1.52mm	0.15mm			
	displacement (peak-	displacement (peak			
	to-peak) max./10g	to-peak) max./2g			
	max. 6hr	max. 6hr			
Shock	1/2 cycle sine wave	1/2 cycle sine wave			
SHOCK	for 11ms and no	for 11ms and no			
	damage at 100g min	damage at 50g max			
Contact block mechanical	5,000,000 cycles	damage at bog max			
design	3,000,000 Cycles				
Contact operation	N.C. slow make, dou	hle hreak (nositive			
Contact operation	opening); N.C.L.B. late break, double				
	break (positive openi				
Operating forces (typical)	2.78N: all contact	2.6N: each N.C.			
	blocks	contact block			
Environmental					
Temperature range					
Operating Ø	-25°C to +55°C (-13	°F to +131°F)			
Short term storage ③	-25° C to $+55^{\circ}$ C (70°C max for 24 hrs)				
j	(-13°F to +131°F (15				
Materials	(
Springs	Stainless steel and zir	c coated music wire			
Electrical contacts:					
Standard	Silver nickel alloy	Fine silver			
Low voltage	Palladium silver	Gold-plated over			
Low voltage	alloy: spanner; gold-	silver			
		511001			
	Dialed Sliver nicker	1			
	plated silver nickel: stationary contacts				
Terminals: Screw type	stationary contacts				
Terminals: Screw type Push-on type					
Push-on type	stationary contacts				
Push-on type Agency approvals	stationary contacts Plated steel	lified			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @/CSA cert	i de la companya de l			
Push-on type Agency approvals	stationary contacts Plated steel UL listed @/CSA cer UL508, UL486E	NEMA ICS-1 and			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @/CSA cer UL508, UL486E CSA22.2 #14,	NEMA ICS-1 and ICS-2 IEC 204-1,			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @/CSA cert UL508, UL486E CSA22.2 #14, NEMA ICS-1 and	NEMA ICS-1 and ICS-2 IEC 204-1, 947; SEV 1005,			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @/CSA cert UL508, UL486E CSA22.2 #14, NEMA ICS-1 and ICS-2 (1983), IEC	NEMA ICS-1 and ICS-2 IEC 204-1, 947; SEV 1005, 1093; VDE 0113,			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @/CSA ceri UL508, UL486E CSA22.2 #14, NEMA ICS-1 and ICS-2 (1983), IEC 144, IEC 947-1, IEC	NEMA ICS-1 and ICS-2 IEC 204-1, 947; SEV 1005, 1093; VDE 0113, 0660 Part 201; BS			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @/CSA cert UL508, UL486E CSA22.2 #14, NEMA ICS-1 and ICS-2 (1983), IEC	NEMA ICS-1 and ICS-2 IEC 204-1, 947; SEV 1005, 1093; VDE 0113,			
Push-on type Agency approvals Approvals	stationary contacts Plated steel UL listed @ /CSA ceri UL508, UL486E CSA22.2 #14, NEMA ICS-1 and ICS-2 (1983), IEC 144, IEC 947-1, IEC 947-5, VDE 0550,	NEMA ICS-1 and ICS-2 IEC 204-1, 947; SEV 1005, 1093; VDE 0113, 0660 Part 201; BS 4794; CEE 24; UL			

• See Performance Data: refer to page Important-2 of the A113 Industrial Controls catalogue.

Operating temperature below 0°C (32°F) are based on the absence of freezing moisture and liquids.

Per IEC 947-1.

UL File & Guide Number E14840.



Product Selection—22.5mm

2-Position Push-Pull Operators, Non Illuminated—Twist-to-Release, Push-Pull





40mm Twist-to-Release Mushroom



40mm Push-Pull Mushroom

STOP

800E-15YE112 Legend Plate for 40mm C.

Colour	Operator Material	40mm Mushroom Operator	Catalogue Number	
	Plastic	Twist to Delegas Dound (Trigger Action)	800EP-MTS44	
	Metal	Twist-to-Release — Round (Trigger Action) •	800EM-MTS44	
Red	Plastic	Push-Pull Twist-to-Release — Round @	800EP-MT4	
Reu	Metal		800EM-MT4	
	Plastic		800ES-MP24	
	Metal	Push-Pull — Round @	800EM-MP24	

2-Position Trigger Action Operators, Non Illuminated—Key Release @







800E-16YE112 Legend Plate for 60mm Cap

40mm Key Release Mushroom

60mm Key Release Mushroom

Colour	2 Position Trigger Action Mushroom Operator	Size	Catalogue Number
	Ronis Key Lock	40mm—Round	800EP-MKR44
Red	Rollis Rey Lock	60mm—Round	800EP-MKR64
	Zadi Koy Lock	40mm—Round	800EP-MKZ44
	Zadi Key Lock	60mm—Round	800EP-MKZ64

Back-of-Panel Components, Non Illuminated Operators

Mounting Latch and Contact Block Combination	Mounting	Contact 00	Catalogue Number
2-Across 3-Across	2-Across	1 N.C. Late break	800E-2LX01L
	2-Aci 033	1 N.O 1 N.C. Late break	800E-2LX11L
	3-Across	1 N.C. Late break	800E-3LX01L
	J-ACI 033	1 N.O 1 N.C. Late break	800E-3LX11L
	2-Across	1 N.C. Self-monitoring	800E-2LX01LS
and the second s	3-Across	i N.C. sen-monitoring	800E-3LX01S

• Trigger action operators are compliant with EN418 standards using standard N.C., N.C. Late Break, or N.C. Self-Monitoring contact blocks. Key Release operators are IP66, Type 4/13.

Emergency stop push buttons are compliant with EN 418 standard when using N.C. Late break (N.C.L.B.) contact blocks.
 Key release operators are IP66, Type 4 and 13.

Product Selection—22.5mm

2-Position Red Push-Pull Operators, Illuminated —Mushroom 0







40mm Mushroom Push-Pull			60mm Jumbo Mushroom Push-P	ull Le	800E-15YE112 gend Plate for 40mm Cap			
Operator Material			Size	Catalog	ue Number			
Plastic			40mm	800E	S-LMP24			
			60mm	800ES-LMJP24				
			40mm	800EN	M-LMP24			
Me	tal		60mm		Л-LMJP24			
Back-of-Panel Illuminated		Mounting	Туре	Volts	Catalogue Number			
2-Across					24 AC/DC	800E-2DL3		
(5 ckts. max.) (4 ckts. max.)		Incandescent	120 AC/DC	800E-2DL5				
		2-Across		24 AC/DC	800E-2DL3R			
			LED (red)	120 AC	800E-2DL5R			
				24 AC/DC	800E-3DL3			
	\$5	3-Across	3-Across		2 Across	Incandescent	120 AC/DC	800E-3DL5
Full Voltage Power N	Iodule with Latch			LED (red)	24 AC/DC	800E-3DL3R		
				120 AC	800E-3DL5R			
			Incandescent	24 AC/DC	800E-2TL5			
2-Across (3 ckts. max	.) 3-Across (2 ckts. max.)	2 4	Incandescent	120 AC/DC	800E-2TL7			
		2-Across		24 AC/DC	800E-2TL5R			
			LED (red)	120 AC	800E-2TL7R			
				24 AC/DC	800E-3TL5			
		Incandescent	120 AC/DC	800E-3TL7				
N-		3-Across		24 AC/DC	800E-3TL5R			
Transformer Power Module with Latch			LED (red)	120 AC	800E-3TL7R			

Late Break 0

2-Across 3-Across

Contact Blocks

2-Across

3-Across

• Emergency stop push buttons are compliant with EN 418 standard when using N.C.L.B. contact blocks.



800E-3TL7R

800E-2X01L

800E-3X01L

120 AC

1 N.C. Late break

Specifications—30.5mm

Electrical Ratings	
Dielectric strength	2200V for one minute
Electrical design life cycles	1,000,000 at max. rated load
Mechanical Ratings	
Vibration	10 to 2000Hz 1.52mm displacement
	(peak-to-peak) max./10g max. (except
	Logic Reed)
Shock	1/2 cycle sine wave for 11ms ≥25g
	(contact fragility) and no damage at 100g
Degree of protection	Type 1, 4, 4X, 12, 13; watertight/oiltight
	IEC 529 IP66/65
Mechanical design life	
cycles	250,000 min.
(Push-pull/twist-to-release)	
Contact operation	Shallow, mini, and low voltage contact
	blocks: Slow, double make and break.
Typical operating forces	7.5lbs max. push or pull
2-position push-pull	
Environment	
Temperature range	
Operating @	-40°C to +55°C (-40°F to +131°F)
Storage	-40°C to +85°C (-40°F to +185°F)

Standard Contact Ratings

Maximum thermal continuous current I_{th} 10A AC/2.5A DC. Bulletin 800T units with 800T-XA contacts have ratings as follows:

Max. Opertnl. Volts Ue	Utiliz Cate	ation gory	Rated O	perational	Currents
	IEC	NEMA	Volts Ue	Make	Break
			120 to 600	7200VA	720VA
AC 600	AC-15	A600	72 to 120	60A	720VA
			24 to 72	60A	10A
DC 600	DC-13 Q600	28 to 600	69	VA	
DC 600		2600	24 to 28 🕄	2.!	5 A

• Performance Data: see publication A113, page Important-2.

Operating temperatures below freezing are based on the absence of moisture and liquids.
For applications below 24V/24mA, Pen*TUFF™* contacts are recommended.

Product Selection—30.5mm

Emergency Stop Operators - 2-Position Red Non Illuminated





2-Position Push-Pull/Twist

Operator Position			
Contacts Maintained Out Maintained In	Enclosure Protection	Release	Catalogue Number
	T 4 6 40	Push-Pull	800T-FX6D4
• N.C.L.B. • Closed Open	Type 4 & 13	Duck Dull/Tariat	800T-FXT6D4
	Type 4, 4X & 13	Push-Pull/Twist	800H-FRXT6D4
	Tures 4 9 12	Push-Pull	800T-FX6A1
 → N.O. Open Closed → N.C.L.B. ● Closed Open 	Type 4 & 13	Duck Dull/Tariat	800T-FXT6A1
	Type 4, 4X & 13	Push-Pull/Twist	800H-FRXT6A1
	Туре 4 & 13	Push-Pull	800T-FX6A5
N.C.L.B. O Closed Open N.C.L.B. O Closed Open			800T-FXT6A5
	Type 4, 4X & 13	Push-Pull/Twist	800H-FRXT6A5
	Tures 4 9 12	Push-Pull	800TC-FX6D4S
S.M.C.B. OO Closed Open	Type 4 & 13	Duch Dull/Traint	800TC-FXT6D4S
	Type 4, 4X & 13	Push-Pull/Twist	800HC-FRXT6D4S
	Tures 4 9 12	Push-Pull	800TC-FX6A1S
N.O. Open Closed S.M.C.B. 12 Closed Open	Type 4 & 13		800TC-FXT6A1S
	Type 4, 4X & 13	Push-Pull/Twist	800HC-FRXT6A1S
	Time 4.9.10	Push-Pull	800TC-FX6A5S
S.M.C.B. Closed Open S.M.C.B. 0 Closed Open	Type 4 & 13	Duck Dull/Tech	800TC-FXT6A5S
	Type 4, 4X & 13	Push-Pull/Twist	800HC-FRXT6A5S

Note: Emergency stop push buttons are compliant with EN-418 and IEC 60947-5-5 Standards when using N.C.L.B. contact blocks.

Normally closed late break contact. When button is pushed from the OUT to IN position, the mechanical detent action of the operator occurs before electrical contacts change state. When the button is pulled from the IN to the OUT position, the electrical contacts change state before the mechanical detent occurs.
 The Self-Monitoring Contact Block (S.M.C.B.) is composed of a N.C.L.B. contact wired in series with a N.O. monitoring contact. The N.O. monitoring contact automatically

closes when the S.M.C.B. is properly installed onto the E-Stop operator. If the S.M.C.B. is separated from the E-Stop operator, the N.O. monitoring contact will automatically open.



Product Selection—30.5mm

2-Position Red Illuminated, Push-Pull and Push-Pull/Twist Release Units



Illuminated 2-Position Push-Pull



Illuminated 2-Position Push-Pull/Twist

	Operate	or Position																
		Maintained	Maintained	Time	1	Valta	Enclosure	Deleges	Contrologica Number									
	ontacts N.O.	Out	In	Туре	Lamp	Volts	Protection	Release	Catalogue Number 800T-FXQ10RA1									
	N.C.L.B.00						Type 4 & 13	Push-Pull										
						120 AC/DC		Push-Pull/	800T-FXTQ10RA1									
					Incan-descent	ACIDO	Type 4, 4X & 13	Twist	800H-FRXTQ10RA1									
							Tupo 4 9 10	Push-Pull	800T-FXQ24RA1									
						24	Type 4 & 13	Push-Pull/	800T-FXTQ24RA1									
				Full		AC/DC	Type 4, 4X & 13	Twist	800H-FRXTQ24RA1									
				Voltage			Tumo 4 9 10	Push-Pull	800T-FXQH10RA1									
						120 AC	Type 4 & 13	Push-Pull/	800T-FXTQH10RA1									
			Open Closed	Closed					Type 4, 4X & 13	Twist	800H-FRXTQH10RA1							
					LED		Push-Pull	800T-FXQH24RA1										
						24		Push-Pull/	800T-FXTQH24RA1									
<u> </u>		Open				AC/DC	Type 4, 4X & 13	Twist	800H-FRXTQH24RA1									
, L		Closed	Open			120	Туре 4 & 13	Push-Pull	800T-FXP16RA1									
								Push-Pull/	800T-FXTP16RA1									
																	AC	Type 4, 4X & 13
					Incan-descent			13 Push-Pull	800T-FXP26RA1									
						240	Type 4 & 13		800T-FXTP26RA1									
				Trans-		AC	Type 4, 4X & 13	Push-Pull/ Twist	800H-FRXTP26RA1									
				former			T	Durah Duril	800T-FXPH16RA1									
						120 AC	Type 4 & 13	Push-Pull	800T-FXTPH16RA1									
					LED		Type 4, 4X & 13	Push-Pull/ Twist	800H-FRXTPH16RA1									
							T	D	800T-FXPH26RA1									
					240		4 & 13 Push-Pull	800T-FXTPH26RA1										
						AC	Type 4, 4X & 13	Push-Pull/ Twist	800H-FRXTPH26RA1									

Note: A jumbo or large legend plate is recommended if space allows. Note: Emergency stop push buttons are compliant with EN-418 and IEC 60947-5-5 Standards when using N.C.L.B. contact blocks.

• Normally closed late break contact. When button is pushed from the OUT to IN position, the mechanical detent action of the operator occurs before electrical contacts change state. When the button is pulled from the IN to the OUT position, the electrical contacts change state before the mechanical detent occurs. Consult your local Allen-Bradley sales office for availability of illuminated E-Stops with Self Monitoring Contact Blocks (S.M.C.B.s).

Allen-Bradley

Emergency Stop Devices Push Buttons 800 E-Stops

Accessories

	Туре	Style	Colour	Catalogue Number
1	Enclosure	1 Hole		800E-1PY
	Plastic (IP66, NEMA 4/4X/13	2 Hole		800E-2PY
	Base Mount For use with 22.5mm	3 Hole	Yellow	800E-3PY
1. T. I.	Push Buttons	5 Hole		800E-5PY
	Square Legend Plate	For 800E Buttons Aluminum	Aluminum, Blank	800E-19AE100
Conserved.	40mm Circular Legend Plate		Yellow, Emergency Stop	800E-15YE112
\$109	60mm Circular Legend Plate	For 800 E Buttons		800E-16YE112
			Yellow, Blank	800T-X646
	Circular Larand Dista	For 800T Buttons	Yellow, Emergency Stop	800T-X646EM
0	Circular Legend Plate	For 800H	Yellow, Blank	800H-W690