

30 mm Push Button Specifications

Bulletin Numbers 800T, 800H

Topic	Page
Specifications	3
Standards Compliance and Certifications	4
Contact Ratings	4
Assembled Stations	6
SeptemberEmergency Stop Devices (Trigger Action)	7
2-position – Non-illuminated	7
2-position – Illuminated	8
Push Button Devices	9
Momentary Contact Devices – Non-illuminated	9
Momentary Contact Devices – Illuminated	10
Momentary Contact Devices with Two-color Molded Legend Caps – Non-illuminated	11
Selector Switch Devices	13
2-position – Non-illuminated	13
2-position Cylinder Lock (Bulletin 800T Only) – Non-illuminated	14
3-position – Non-illuminated	15
3-position Cylinder Lock (Bulletin 800T Only) – Non-illuminated	16
4-position – Non-illuminated	17
4-position Cylinder Lock (Bulletin 800T Only) – Non-illuminated	18
Cam Target Tables	19
2-position Knob/Lever Type – Illuminated	20
3-position Knob/Lever Type – Illuminated	21
Pilot Light Devices	22
Typical Pilot Light Wiring Diagrams	23
Push-pull and Push-pull/Twist Release Devices	24
2-position – Non-illuminated	24
3-position – Non-illuminated	25
2-position – Illuminated	26
3-position – Illuminated	27
Specialty Devices	28
Potentiometer Devices	28
Mechanically Interlocked Maintained Push Button Devices	29
18 mm Small Pilot Lights Type 4/13, Class I, Division 2	29
Cluster Pilot Light Devices (Bulletin 800T Only)	30
1-, 2-, 3-, 4-way Toggle Switches (Bulletin 800T Only)	31
Selector Push Button Devices (Bulletin 800T Only)	33
Cylinder Lock Push Button Devices (Bulletin 800T only)	34
Momentary Padlocking Mushroom Head Devices (Bulletin 800T only)	34
Momentary Wobble Stick Push Button Devices (Bulletin 800T Type 13 only)	34
Break-Glass Push Button Stations (Bul. 800T only)	36

Topic	Page
Custom-Built Stations/Enclosures	37
Accessories	39
Contact Blocks	39
Power Modules	43
Universal LED Module	43
Trigger Action E-stop Latches	43
Replacement Color Caps	44
Selector Switch Knobs – Illuminated	46
Selector Switches	46
Booted Selector Switch Knobs (800H only) – Non-illuminated	46
Protective Boots	47
Potentiometer Replacement Knobs	48
Push Buttons	48
Miscellaneous	49
Locking Attachments	50
Guards	52
Replacement Lamps	53
Replacement Keys for Cylinder Lock 2-, 3-, and 4-position Selector Switches (Bulletin 800T only)	54
Replacement Keys for Push Button Switches with Cylinder Locks (Bulletin 800T only)	54
Legend Plates – Aluminum, Type 4/13 (Bulletin 800T)	55
Legend Plates – Plastic, Type 4/4X/13 (Bulletin 800H)	58
Approximate Dimensions	61
800H General-purpose Enclosures	74

Legend Plates – Aluminum, Type 4/13 (Bulletin 800T)

Blank/Custom Legend Plates



Legend Plate Color	Standard	Jumbo
	Cat. No.	Cat. No.
Gray	800T-X559	800T-X559J
Red	800T-X621	800T-X621J
Yellow	800T-X679	800T-X679J
Gray (with custom text)	800T-X559E	800T-X559JE
Red (with custom text)	800T-X621E	800T-X621JE
Yellow (with custom text)	800T-X679E	800T-X679JE

Specialty Legend Plates



Legend Plate Color	Automotive	Half Round ⁽¹⁾
	Cat. No.	Cat. No.
Gray (blank)	800T-X700	800T-X59
Red (blank)	800T-X701	800T-X121
Gray (with custom text) ⁽²⁾	—	800T-X59E
Red (with custom text) ⁽²⁾	—	800T-X121E

(1) All half round legend plates must be ordered in quantities of 25.

(2) Include text with custom legends. See [Table 35](#) for guidelines.

Table 35 - Custom Text Guidelines

Legend Size	Number of Lines	Number of Characters per Line, Max
Standard	1 or 2 lines	14
Jumbo	5 lines	14
Automotive	4 lines	20

Custom Legend Plates for 4-way Toggle and Cluster Pilot Lights

Legend Size	Cat. No. ⁽¹⁾	Color	Text Options ⁽²⁾
Standard	800T-X619E	Aluminum (with custom text)	• 2 lines of up to 14 characters on top • 1 line of up to 14 characters on bottom • 1 vertical line of up to 7 characters on left side • 1 vertical line of up to 7 characters on right side
			• 1 vertical line of up to 9 characters on left side • 1 vertical line of up to 9 characters on right side

(1) For blank toggle or cluster pilot legend, order Cat. No. 800T-X619.

(2) Rule sets listed are mutually exclusive; only one can be chosen.

Specialty Legend Plates



Type	Start/Stop Legend Plates	Emergency Stop Legend Plates		
	Gray	Yellow	Yellow (Large Size)	Yellow IEC Ring
	Cat. No.	Cat. No.	Cat. No.	Cat. No.
Push-to-Stop Pull-to-Start or Push-to-Stop Twist or Pull Release	800T-X618	800T-X618Y	800T-X647Y	—
Blank	—	—	800T-X645Y	800T-X646
Custom	—	—	800T-X645YE	—
Emergency Stop	—	—	—	800T-X646EM ⁽¹⁾

(1) Does not comply with EN ISO 13850.

Potentiometer Legend Plates

	Type	Cat. No.
A circular potentiometer with a scale from 0 to 10 and a central knob.	Potentiometer with graduated markings	800T-X609 ⁽¹⁾
A circular potentiometer with a scale from 0 to 10 and a central knob. The word "SPEED" is printed above the scale.	SPEED	800T-X608

(1) For graduated markings with a custom text, order Cat. No. 800T-X609E and specify up to two lines of text, 14 characters per line.

18 mm Legend Plates

	Type	Description	Cat. No.
A square legend plate with a circular cutout. The word "START" is printed above the cutout. Cat. No. 800T-N515	Blank	Type A	800T-N515
		Type B	800T-N516
	With custom marking ⁽¹⁾	Type A with text	800T-N515E
		Type B with text	800T-N516E

(1) Text must be supplied. See [Table 36](#) for guidelines.

Table 36 - Custom Text Guidelines

Legend Type	Number of Lines	Maximum Number of Characters per Line
A	1	9
B	2	13

Standard Legend Plates



Standard Legend Plate



Jumbo Legend Plate

Marking	Standard Cat. No.	Jumbo Cat. No.	Marking	Standard Cat. No.	Jumbo Cat. No.
AUTO-OFF-HAND	800T-X501	800T-X501J	ON-OFF	800T-X622	800T-X622J
AUTO-MAN-OFF	800T-X625	800T-X625J	OPEN	800T-X531	800T-X531J
CLOSE	800T-X502	800T-X502J	OPEN-CLOSE	800T-X532	800T-X532J
CYCLE START	800T-X562	800T-X562J	OPEN-OFF-CLOSE	800T-X533	800T-X533J
DOWN	800T-X503	800T-X503J	OUT	800T-X534	800T-X534J
EMERG. STOP (Yellow) ⁽¹⁾	800T-X504Y	—	POWER ON	800T-X639	800T-X639J
EMERG. STOP (Red) ⁽¹⁾	800T-X504	800T-X504J	RAISE	800T-X535	800T-X535J
EMERGENCY STOP (Red) ⁽¹⁾	800T-X648	800T-X648J	RAISE-LOWER	800T-X536	800T-X536J
FAST	800T-X505	800T-X505J	RAISE-OFF-LOWER	800T-X537	800T-X537J
FEED START	800T-X566	800T-X566J	RESET	800T-X538	800T-X538J
FEED STOP	800T-X567	800T-X567J	REVERSE	800T-X539	800T-X539J
FOR.-REV.	800T-X506	800T-X506J	RUN	800T-X540	800T-X540J
FOR.-OFF-REV.	800T-X507	800T-X507J	RUN-INCH	800T-X634	800T-X634J
FORWARD	800T-X508	800T-X508J	RUN-JOG	800T-X541	800T-X541J
FOURTH SPEED	800T-X624	800T-X624J	SAFE-RUN	800T-X542	800T-X542J
FULL SPEED	800T-X509	800T-X509J	SECOND SPEED	800T-X543	800T-X543J
HAND-AUTO	800T-X510	800T-X510J	SPEED ⁽²⁾	800T-X608	—
HAND-OFF-AUTO	800T-X511	800T-X511J	SLOW	800T-X544	800T-X544J
HIGH	800T-X512	800T-X512J	SLOW-FAST	800T-X545	800T-X545J
HIGH-LOW	800T-X513	800T-X513J	SLOW-OFF-FAST	800T-X546	800T-X546J
HIGH-OFF-LOW	800T-X514	800T-X514J	START	800T-X547	800T-X547J
IN	800T-X515	800T-X515J	START-JOG	800T-X548	800T-X548J
INCH	800T-X516	800T-X516J	START-STOP	800T-X549	800T-X549J
JOG	800T-X517	800T-X517J	STOP (Red)	800T-X550	800T-X550J
JOG FORWARD	800T-X518	800T-X518J	STOP-START	800T-X551	800T-X551J
JOG REVERSE	800T-X519	800T-X519J	SUMMER-OFF-WINTER	800T-X553	800T-X553J
JOG RUN	800T-X520	800T-X520J	SUMMER-WINTER	800T-X552	800T-X552J
JOG-SAFE-RUN	800T-X522	800T-X522J	TEST	800T-X554	800T-X554J
JOG-STOP-RUN	800T-X521	800T-X521J	THIRD SPEED	800T-X555	800T-X555J
LEFT-RIGHT	800T-X523	800T-X523J	UP	800T-X556	800T-X556J
LOCAL-REMOTE	800T-X638	800T-X638J	UP-DOWN	800T-X557	800T-X557J
LOW	800T-X524	800T-X524J	UP-OFF-DOWN	800T-X558	800T-X558J
LOW SPEED	800T-X525	800T-X525J	0 (Red)	800T-X640	800T-X640J
LOWER	800T-X526	800T-X526J	I	800T-X641	800T-X641J
OFF	800T-X527	800T-X527J	0 I	800T-X642	800T-X642J
OFF-COOLANT-ON	800T-X528	800T-X528J	I 0 II	800T-X643	800T-X643J
OFF-ON	800T-X529	800T-X529J			
ON	800T-X530	800T-X530J			

(1) These legend plates do not comply with EN ISO 13850.

(2) Potentiometer type with graduated markings.