Allen-Bradley

Specialty Push Button Specifications

Bulletin 800K, 800L, 800P, 800T, 800Z

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Summary of Changes

This publication contains new and updated information as indicated in the following table.

Topic	Page
Added blue and yellow options to Table c of catalog number explanation.	15
Added specifications for blue and yellow to Illumination table.	16

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Allen-Bradley Product Directory (Specialty Operators) http://ab.rockwellautomation.com/Push-Buttons/Specialty-Push-Buttons	Provides the latest product information for specialty push buttons.
Bulletin 800K Piezoelectric Push Buttons Product Profile, publication 800K-PP001	Provides product information on the Bulletin 800K line of push buttons.
Bulletin 800Z Series B Zero-force Touch Button Brochure, publication 800Z-BR002	Provides product information on the Bulletin 800Z line of push buttons.
Product Certifications website, http://www.rockwellautomation.com/global/certification/overview.page	Provides declarations of conformity, certificates, and other certification details.

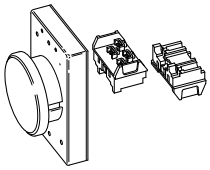
You can view or download publications at http://www.rockwellautomation.com/global/literature-library/overview.page. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Bulletin 800P Palm-Operated Push Buttons

Palm-Operated Flush Mount Button
Cat. No. 800P-F2CA

Palm-Operated Surface Mount with Guard
Cat. No. 800P-S2CG1A

800P – S 1 C G 1 A
a b c d e f



a	
Operator Type	
Code	**Description**
F	Flush mount
S	Surface mount

b	
Button Operation	
Code	**Description**
1	Standard drive
2	Articulated

c	
Button Color	
Code	**Description**
C	Chrome
R	Red (painted)
Y	Yellow (painted)

d	
Guard Option	
Code	**Description**
Blank	No guard
G	Side guard (yellow)
H	Die cast (gray)

e	
Enclosure Openings	
Code	**Description**
Blank	No base ❶
1	Single hub
2	Double hub

f	
Contact Block	
Standard	
Code	**Description**
A	1 N.O. - 1 N.C.
B	2 N.O. - 2 N.C.
PenTUFF™ (Low Voltage)	
AV	1 N.O. - 1 N.C.
BV	2 N.O. - 2 N.C.

❶ Only used for flush mounted operators.

Specifications ❷

Electrical Ratings

Attribute	Description
Dielectric Strength	2200V for 1 minute
Electrical Design Lifecycles	1,000,000 at maximum rated load 200,000 at maximum rated load (Logic Reed)

Mechanical Ratings

Attribute		Description
Vibration		10…2000 Hz 1.52 mm displacement (peak-to-peak) 10 G max.
Shock		Mechanical shock at 1/2 cycle sine-wave for 11 ms
Contact Fragility ❸	25 G	800T-XA1, -XA2, -XD1, -XD4, -XD2R, contact blocks
	9 G	800T-XA, -XA4, -XD2, -XD3, -XAR, -XAV contact blocks
	6 G	800T-XD1R
Degree of Protection		Type 1, 12, 4/13; watertight/oiltight 529 IP65
Mechanical Design Lifecycles	Push Buttons	1,000,000 minimum
Contact Operation	Shallow Contact Block	Slow, double make and break
	Logic Reed	Snap action
Typical Operating Forces	Articulated	800T-XD1 and 800T-XD4 contact blocks 3.7 lb maximum at center of button, 2.7 lb at perimeter
	Standard Drive	3.7 lb

❷ **Performance Data** — Performance data that is given in this publication is provided only as a guide for you to determine suitability and does not constitute a performance warranty of any kind. Such data represents the results of accelerated testing at elevated stress levels, and you are responsible for correlating the data to actual application requirements. ALL WARRANTIES AS TO ACTUAL PERFORMANCE, WHETHER EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED.

❸ No damage at 100 G all contact blocks.