

800T/H Explosion-Protected Contact Block



A Harsh-Duty Solution for Class I, Div. 2
Hazardous Locations

Features and Benefits

- A reliable UL 1203 certified solution for Class I Div. 2 environments (Groups A, B, C and D)
- Rugged construction ideal for use in applications involving shock and vibration
- 1-NO, 1-NC, A600-rated contacts
- Positive opening NC contact for global E-stop functionality
- For use with a wide range of push buttons:
 - 800T 30 mm Type 4, 13
 - 800H 30 mm Type 4, 4X, 13
 - 800H/HL Type 7 and 9
 - 800R stations
- Compatible with a broad variety of device types:
 - Momentary contact push buttons
 - Trigger action E-stops
 - Push-pull devices
 - Selector switches
 - Push-to-test pilot lights

State-of-the-art contact switching for hazardous location applications.



The Bulletin 800TC-XAF Explosion-Protected Contact Block is a robust solution for Class I Div. 2 environments, especially for E-stop and high-vibration applications where typical reed switch solutions are undesirable.

Emergency Stop Applications – The magnetically operated design of reed switches prevents their use with emergency stop devices. In contrast, the 800TC-XAF explosion-protected contact block features a positive-opening normally closed contact as required for conformance with global emergency stop standards. Additionally, the design allows contact block stacking which increases application flexibility and accommodates safety circuits for illuminated E-stop devices.

High Vibration Applications – Reed switches are hermetically sealed in a glass envelope, which can be fragile and susceptible to damage from stress related to high vibration. The body of the 800TC-XAF explosion-protected contact block is molded from an extremely durable thermoplastic resin, resulting in a contact block assembly that will maintain Class I Div. 2 integrity in the harshest applications.

In addition to the explosive nature of flammable gases, liquids or vapors potentially present in Class I Div. 2 applications, these materials can also be highly corrosive. With that in mind, careful attention was given to the material selection of the components used in the 800TC-XAF explosion-protected contact block to help ensure safe, reliable operation in the most demanding environments:

- Glass-filled polyester contact block body
- Stainless steel hardware, including the terminal screws/clamps and mounting screws
- Ceramic plunger
- Bifurcated spanner with pure fine silver contact tips

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Product Selection

Contact Configuration	Rating	Catalog Number
1-NO, 1-NC	A600 10A, 600V	800TC-XAF



Factory Configured Devices

Contact Configuration	Code
1-NO, 1-NC	AF
2-NO, 2-NC, non-illuminated	BF
2-NO, 2-NC, illuminated	G1F
3-NO, 3-NC, non-illuminated	HF
4-NO, 4-NC, non-illuminated	CF

Example Catalog Number Configurations

Product	Description	Catalog Number Type 4/13	Catalog Number Type 4/4X/13
	Momentary contact non-illuminated push button, black, 1-NO, 1-NC	800T-A2AF	800H-AR2AF
	Momentary contact illuminated push button, green, extended head without guard, Universal LED, 1-NO, 1-NC	800T-QBH2GAF	800H-QRBH2GAF
	Non-illuminated trigger action E-stop, standard 45 mm red mushroom head, 2-NO, 2-NC	800T-TFXT6BF	800H-TFRXT6BF
	Illuminated trigger action E-stop, standard jumbo red mushroom head, Universal LED, 2-NO, 2-NC	800T-TFXJTQH2RG1F	---
	3-position non-illuminated selector switch, standard knob, maintained, standard cam, 4-NO, 4-NC	800T-J2CF	800H-JR2CF
	2-position illuminated selector switch, standard blue knob, maintained, Universal LED, 1-NO, 1-NC	800T-2HBH2KB6OX	800H-2HRBH2KB6OX
	Push-to-test pilot light, amber, Universal LED, 1-NO, 1-NC	800T-QTH2AAF	800H-QRTH2AAF

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