



Product Description

The 30.5 mm pushbutton line features a zinc die cast construction with chrome-plated housing and mounting nut. The same durable construction is also available with the corrosive resistant E34 line of pushbuttons. See E34 section on **Pages V7-T1-254 to V7-T1-288**.

Features

- Heavy-duty zinc die cast construction
- Enclosed silver contacts with reliability nibs
- Diaphragm seals with drainage holes
- Grounding nibs on the operator casing

Benefits

- Reliability nibs improve contact reliability even under dry circuit and fine dust conditions
- Drainage holes prevent buildup of liquid inside the operator which can prevent operation in freezing environments
- Grounding nibs bit through paint and other coatings to provide secure ground

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Drawings
Online

Application Description

Contact Operation

Slow make and break. All normally closed contacts have positive opening operation, i.e., normally closed contacts are forced open in the event of contact weld or spring breakage.

Standards and Certifications

- CE EN 60947-5-1 and 60947-5-5
- UL 508—File No. 131568
- CSA C22.2 No. 14—File No. LR68551



Ingress Protection

When mounted in similarly rated enclosure—

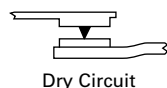
- Standard indicating lights
 - UL (NEMA) Type 1, 2, 3, 3R, 3S, 4, 4X, 12, 13
 - IEC IP65
- Most other operators
 - UL (NEMA) Type 1, 2, 3, 3R, 4, 4X, 12, 13
 - IEC IP65

Product Overview

Reliability Nibs

Eaton's contact blocks feature enclosed silver contacts with pointed "reliability nibs" for reliable performance from logic level up to 600V. To ensure reliable switching, nibs bite through oxide which can form on silver contacts, eliminating the need for expensive logic level blocks for most applications.

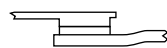
Reliability Nibs



Dry Circuit



Medium Duty



Heavy-Duty

Reliability nibs improve performance in dry circuit, corrosive, fine dust and other contaminated atmospheres. Under normal environmental conditions, the minimum operational voltage is 5V and the minimum operational current is 1 mA, AC/DC. For operation under a wider range of environmental conditions, logic level contact blocks with inert palladium tipped contacts are recommended.

Grounding Nibs

10250T line operators have "grounding nibs"—four metal points on the operator casting designed to bite through most paints and other coatings on metal panels to enhance the ground connection when the operator is securely tightened.

Grounding Nibs

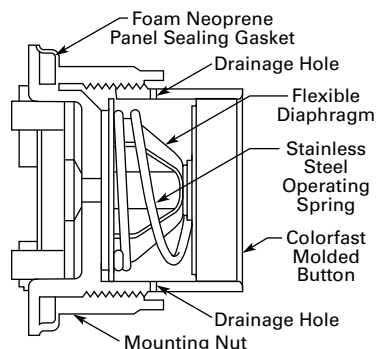


Diaphragm Seal with Drainage Holes

Liquid Drainage

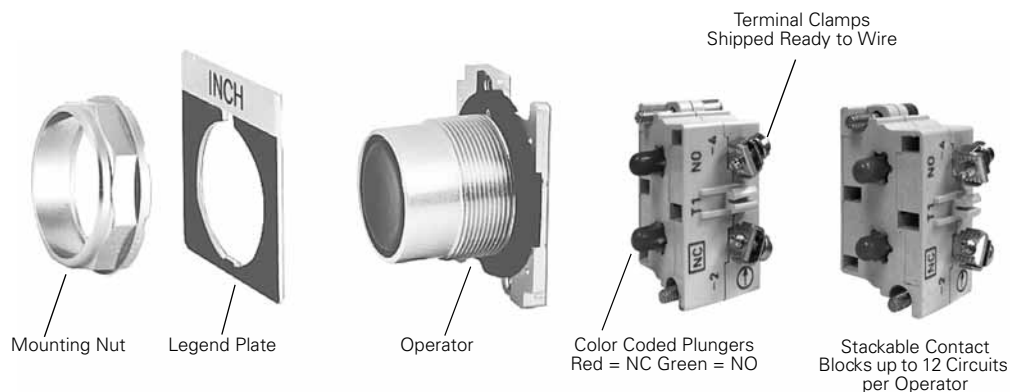
Eaton's pushbutton operators offer front of panel drainage via holes in the operator bushing. Hidden from view by the mounting nut, these holes prevent buildup of liquid inside the operator, which can prevent operation in freezing environments. The holes also provide a route for escaping liquid in high pressure washdowns, effectively relieving pressure from the internal diaphragm seal, ensuring reliable sealing in applications even beyond NEMA 4.

Diaphragm Seal



Product Identification

30.5 mm Heavy-Duty Watertight/Oiltight—10250T Series



Selector Switch Operators without Caps

Operators can be ordered with caps assembled to them by adding the code number from the table on this page to the end of catalog number below.

Example: 10250T4011**KB**

Two-Position Selector Switch Maintained**Selector Switch Operators without Caps**

Positions	Operator Action ^①	Cam Code ^②	Catalog Number
Two-position—60° throw	M M	1	10250T4011
	M S	1	10250T4081
Three-position—60° throw	M M	2	10250T4022
	M M	3	10250T4023
	S M	2	10250T4032
	S M	3	10250T4033
	S S	2	10250T4042
	S S	3	10250T4043
	M S	2	10250T4052
	M S	3	10250T4053
Four-position—40° throw	M M	7	10250T4067

Knob**Lever****Lever for Use with Maintained Operators****Coin Slot****Operating Caps**

Color	Knob Catalog and Code Number	Lever Catalog and Code Number	Color	Lever ^③ Catalog and Code Number	Coin Slot Catalog and Code Number
Black	10250TKB	10250TLB	Black	10250TSB	10250TCB
Red	10250TKR	10250TLR	Red	10250TSR	10250TCR
Green	10250TKG	10250TLG	Green	10250TSG	10250TCG
Yellow	10250TKY	10250TLY	Yellow	10250TSY	10250TCY
White	10250TKW	10250TLW	White	10250TSW	10250TCW
Gray	10250TKA	10250TLA	Gray	10250TSA	10250TCA
Blue	10250TKL	10250TLL	Blue	10250TSL	10250TCL
Orange	10250TKD	10250TLO	Orange	10250TSO	10250TCO

Notes

① M = Maintained. S = Spring return in direction of arrow (R).

② For selection of the proper cam and contact block to obtain the proper circuit sequence, see selection instructions and tables on **Pages V7-T1-208, V7-T1-209 and V7-T1-210**.

③ Designed for added ingress protection. For use in maintained operators only.