Heavy-Duty 30.5 mm Metal Indicating Lights



 Heavy-Duty Zinc Die Cast Construction
Diaphragm Seals with Drainage Holes

Push-to-Test

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 Series of pushbuttons.

The 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 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.

10250T Series operators have "grounding nibs"—4 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.

Omega'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 10250T181N







liquid in high pressure washdowns, effectively relieving pressure from the internal diaphragm seal. This ensures reliable sealing in applications even beyond NEMA 4.

Specifications

Standards and Certifications: CE EN60947-5-1 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 All Other Operators: UL (NEMA) Type 1, 2, 3, 3R, 4, 4X, 12, 13; IEC IP65

MECHANICAL RATINGS Frequency of Operation: All Pushbuttons: 6000 operations per hr Key and Lever Selector Switches: 3000 operations per hr Auto-Latch Devices: 1200 operations per hr 10250T231N



10250T201N



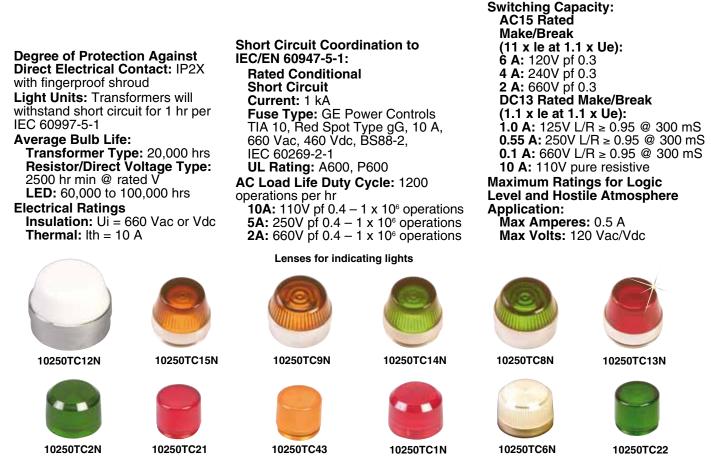
All models shown smaller than actual size.

Life:

- Pushbuttons: 10 x 10⁶ operations Contact Blocks: 10 x 10⁶ operations PresTest Units: 10 x 10⁶ operations Lever and Key Selector Switches:
- 0.25 x 10⁶ operations **Twist-to-Release Pushbuttons:** 0.3 x 10⁶ operation **Shock Resistance Duration:** 20 mS ≥ 5g

Climate Conditions: Operating Temperature: -17 to 66°C (1 to 150°F) Storage Temperature: -40 to 80°C (-40 to 176°F) Altitude: 2000 m (6562') Max Humidity: 95% RH @ 60°C (140°F)

Terminals: Marking; NC-NO on the contact block to meet the NEMA requirements; dual marking system 1 to 2 for normally closed, 3 to 4 for normally open to meet BS5472 (Cenelec EN50 005) **Clamps:** Terminals are saddle clamp type for 1 x 22 AWG (0.34 mm²) to 2 x 14 AWG (2.5 mm²) conductors; torque = 7 lb-in (0.8 Nm)



All models shown smaller than actual size.

To Order	
Description	
10250T Indicating Lights*	
Pres-test 120V transformer type, no lens	
Pres-test 120V full voltage/resistor type, no lens	
120V transformer type, no lens	
120V full voltage/resistor type, no lens	

Comes complete with retaining nut, operator gasket and operator's manual.

* Operators require lens, sold separately, see table below for selection.

Accessories

Model No.	Description
10250T Lens for Indicating Lights	
10250TC12N	White, glass (for indicating lights)
10250TC13N	Red, glass (for pres-test or illuminated pushbuttons)
10250TC14N	Green, glass (for pres-test or illuminated pushbuttons)
10250TC15N	Amber, glass (for pres-test or illuminated pushbuttons)
10250TC19N	Amber, plastic (for indicating lights)
10250TC1N	Red, plastic (for indicating lights)
10250TC21	Red, plastic (for pres-test or illuminated pushbuttons)
10250TC22	Green, plastic (for pres-test or illuminated pushbuttons)
10250TC2N	Green, plastic (for indicating lights)
10250TC43	Amber, plastic (for pres-test or illuminated pushbuttons)
10250TC6N	White, plastic (for indicating lights)
10250TC7N	Red, glass (for indicating lights)
10250TC8N	Green, glass (for indicating lights)
10250TC9N	Amber, glass (for indicating lights)

Ordering Examples: 10250T221N, pres-test 120V transformer type, and 10250TC1N, red plastic lens. 10250T201N, 120V full voltage/resistor type indicating light operator, and 10250TC8N, green glass lens.