



# HEAVY-DUTY 30.5 mm METAL PUSHBUTTONS

10250T Series  
Starts at  
**\$24<sup>90</sup>**



- Heavy-Duty Zinc Die Cast Construction
- Enclosed Silver Contacts with Reliability Nibs
- Diaphragm Seals with Drainage Holes
- Grounding Nibs on Operator Casing

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

10250T122,  
\$53



10250T25R,  
\$38.75



All models shown  
smaller than  
actual size.



10250T23B,  
\$38.75



10250T17213,  
\$69.50



10250T112,  
\$24.90



10250T103,  
\$24.90



10250T101,  
\$24.90

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. 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

### 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  $\geq$  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 (Genelec EN50 005)

**Clamps:** Terminals are saddle clamp type for 1 x 22 AWG (0.34 mm<sup>2</sup>) to 2 x 14 AWG (2.5 mm<sup>2</sup>) conductors; torque = 7 lb-in (0.8 Nm)

**Degree of Protection Against Direct Electrical Contact:** IP2X with fingerproof shroud

**Light Units:** Transformers will withstand short circuit for 1 hr per IEC 60997-5-1

### Average Bulb Life:

**Transformer type:** 20,000 hrs

**Resistor/Direct Voltage Type:** 2500 hr min @ rated V

**LED:** 60,000 to 100,000 hrs

### Electrical Ratings

**Insulation:** U<sub>i</sub> = 660 Vac or Vdc

**Thermal:** I<sub>th</sub> = 10 A

### Short Circuit Coordination to

IEC/EN 60947-5-1:

**Rated Conditional Short Circuit Current:** 1 kA

**Fuse Type:** GE Power Controls TIA 10, Red Spot Type gG, 10 A, 660 Vac, 460 Vdc, BS88-2, IEC 60269-2-1

**UL Rating:** A600, P600

**AC Load Life Duty Cycle:** 1200 operations per hr

**10A:** 110V pf 0.4 – 1 x 106 operations

**5A:** 250V pf 0.4 – 1 x 106 operations

**2A:** 660V pf 0.4 – 1 x 106 operations

### Switching Capacity:

**AC15 Rated Make/Break**

(11 x I<sub>e</sub> at 1.1 x U<sub>e</sub>):

**6 A:** 120V pf 0.3

**4 A:** 240V pf 0.3

**2 A:** 660V pf 0.3

**DC13 Rated Make/Break**

(1.1 x I<sub>e</sub> at 1.1 x U<sub>e</sub>):

**1.0 A:** 125V L/R  $\geq$  0.95 @ 300 mS

**0.55 A:** 250V L/R  $\geq$  0.95 @ 300 mS

**0.1 A:** 660V L/R  $\geq$  0.95 @ 300 mS

**10 A:** 110V pure resistive

**Maximum Ratings for Logic Level and Hostile Atmosphere Application:**

**Max Amperes:** 0.5 A

**Max Volts:** 120 Vac/Vdc

## Build Your Own System



10250T101, \$24.90

+



10250TM47, \$3.10

+



10250T2, \$27.50

Note: To order complete system add a contact block and legend plate to operator.

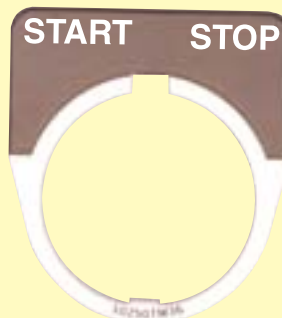
OR

## Order Complete Devices and a Legend Plate

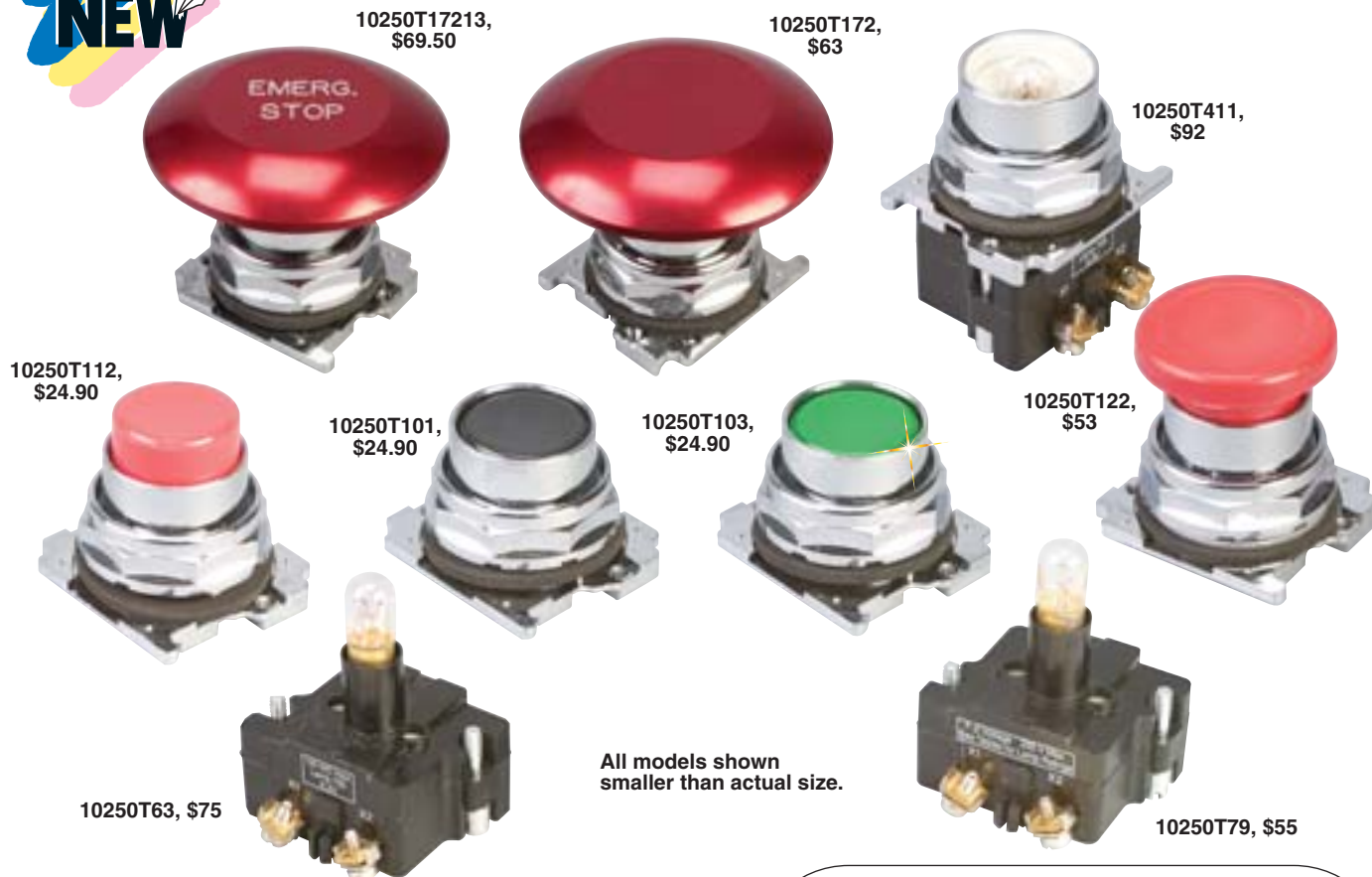


10250T29, \$85.50

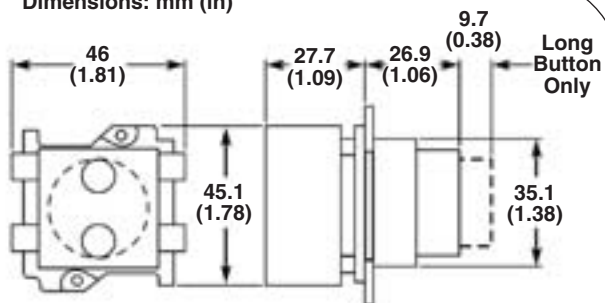
+



10250TM47, \$3.10

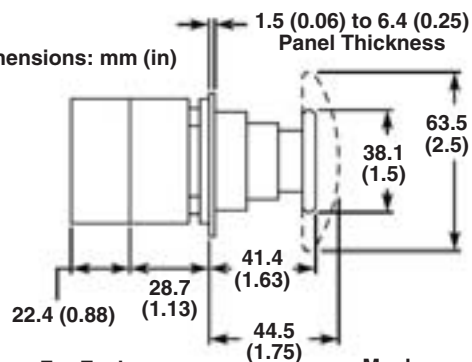


Dimensions: mm (in)



Flush and Long Pushbutton  
Half Shroud is same as Long Pushbutton  
with Lower Half of Guard Ring Cut Back

Dimensions: mm (in)



For Each  
Additional  
Contact Block

Mushroom and  
Jumbo Head  
Pushbutton

## To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T MOMENTARY PUSHBUTTON OPERATORS</b>		
10250T101	\$24.90	Black flush pushbutton operator
10250T103	24.90	Green flush pushbutton operator
10250T112	24.90	Red extended pushbutton operator
10250T122	53.00	Red mushroom head operator
10250T5	46.00	Push-pull maintained 2-position operator without lens
10250T17213	69.50	E-Stop mushroom operator
10250T411	92.00	Illuminated pushbutton operator, no lens, 120 Vac, incandescent
10250T172	63.00	Red jumbo mushroom head operator
10250T79	55.00	24/48V full votage push-pull light unit
10250T63	75.00	120V transformer incandescent push-pull light unit

Comes with retaining nut, operator gasket, and instruction sheet.

Ordering Example: 10250T101, black flush pushbutton operator, \$24.90.





10250T181N,  
\$92



10250T231N,  
\$103



10250T221N,  
\$122



10250T201N,  
\$75



### To Order (Specify Model Number)

All models shown  
smaller than actual size.

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T INDICATING LIGHTS</b>		
10250T221N	\$122.00	Pres-test 120V transformer type, no lens
10250T231N	103.00	Pres-test 120V full voltage/resistor type, no lens
10250T181N	92.00	120V transformer type, no lens
10250T201N	75.00	120V full voltage/resistor type, no lens

Comes with instruction sheet.

**Ordering Example:** 10250T221N, pre-test 120 V transformer type, \$122.



10250T1311,  
\$34.25



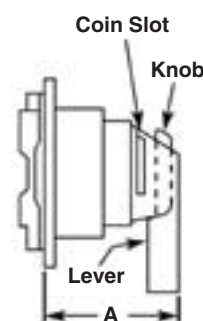
10250T3011,  
\$34.25



10250T1323,  
\$34.25



10250T3023,  
\$34.25



OPERATOR	DIM A mm (in)
Knob	35.1 (1.38)
Lever	38.1 (1.50)
Coin Slot	35.1 (1.38)

### To Order (Specify Model Number)

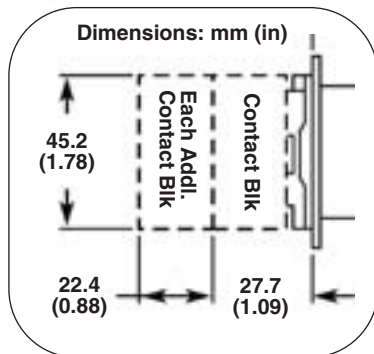
All models shown  
smaller than actual size.

**AVAILABLE FOR FAST DELIVERY!**

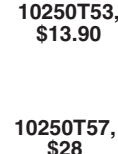
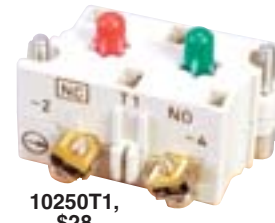
MODEL NO.	PRICE	DESCRIPTION
<b>10250T SELECTOR SWITCHES – MAINTAINED</b>		
10250T1311	\$34.25	2-position maintained selector switch, knob
10250T1323	34.25	3-position maintained selector switch, knob
10250T3011	34.25	2-position maintained selector switch, lever
10250T3023	34.25	3-position maintained selector switch, lever
10250T15112	90.00	2-position maintained selector switch, keyed
10250T15237	90.00	3-position maintained selector switch, keyed

Comes with instruction sheet.

**Ordering Example:** 10250T1311, 2 position maintained selector switch, knob, \$34.25.



All models  
shown smaller  
than actual size.



### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T PUSHBUTTONS CONTACT BLOCK</b>		
10250T2	\$27.50	Contact block—2 NO, 6 blocks can be stacked
10250T3	27.50	Contact block—2 NC, 6 blocks can be stacked
10250T51	13.90	Contact block—1 NC, 6 blocks can be stacked
10250T53	13.90	Contact block—1 NO, 6 blocks can be stacked
10250T1	28.00	Contact block—NO-NC, 6 blocks can be stacked
10250T71	14.00	Contact block—late opening NC
10250T47	28.00	Contact block—early closing NO and standard NC
10250T57	28.00	Contact block—early closing NO and standard NO, 4 blocks can be stacked

Comes with instruction sheet.

**Ordering Example:** 10250T2, contact block, 2 normally open, \$27.50.



10250T20LB,  
\$63



10250T21LB,  
\$63



10250T23B,  
\$38.75



10250T25R,  
\$38.75



10250T29,  
\$85.50

### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T COMMON COMPLETE DEVICES (INCLUDES CONTACT BLOCKS)</b>		
10250T20LB	\$63.00	On/Off switch (black knob switch comes with NO/NC contact block)
10250T21LB	63.00	H-O-A switch (black lever switch comes with 2 NO/2 NC contact blocks)
10250T23B	38.75	Start button (black flush button comes with NO contact block)
10250T25R	38.75	Stop button (red extended button comes with NC contact block)
10250T29	85.50	Emergency stop (red jumbo MRH button comes with NC contact block)

Comes with instruction sheet.

**Ordering Example:** 10250T29, emergency stop, \$85.50.

All models shown smaller than actual size.



10250TB62, \$7

10250TB63, \$7



10250TC47, \$7



10250TC53, \$7



10250TC63, \$16



10250TC57, \$16



### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T PUSHBUTTONS – HEAD AND LENS SELECTION TABLE</b>		
10250TB62	\$7.00	Red button for non-illuminated push-pull
10250TB63	7.00	Red (emergency stop) for non-illuminated push-pull
10250TJ62	38.00	Red jumbo mushroom head for non-illuminated push-pull
10250TJ63	45.00	Red jumbo mushroom head (emergency stop) for non-illuminated push-pull
10250TC47	7.00	Red lens for illuminated push-pull
10250TC53	7.00	Red (emergency stop) lens for illuminated push-pull
10250TC57	16.00	Red side-lighted anodized aluminum ring
10250TC63	16.00	Red (emergency stop) side-lighted anodized aluminum ring

Comes with instruction sheet.

**Ordering Example:** 10250TC57, red side-lighted anodized aluminum ring, \$16.



10250TC12N, \$11.70



10250TC13N, \$11.70



10250TC14N, \$11.70



10250TC15N, \$11.70



10250TC1N, \$6.55



10250TC6N, \$6.55



10250TC22, \$6.55



10250TC14N, \$11.70



10250TC8N, \$11.70



10250TC2N, \$6.55



10250TC21, \$6.55



10250TC43, \$6.55

All models shown smaller than actual size.

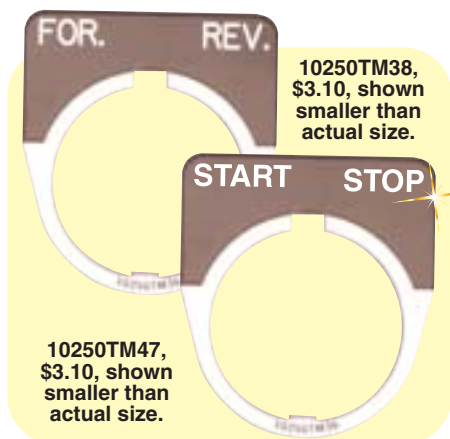
### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T LENS FOR INDICATING LIGHTS</b>		
10250TC12N	\$11.70	White, glass (for indicating lights)
10250TC13N	11.70	Red, glass (for PresTest or illuminated pushbuttons)
10250TC14N	11.70	Green, glass (for PresTest or illuminated pushbuttons)
10250TC15N	11.70	Amber, glass (for PresTest or illuminated pushbuttons)
10250TC19N	6.55	Amber, plastic (for indicating lights)
10250TC1N	6.55	Red, plastic (for indicating lights)
10250TC21	6.55	Red, plastic (for PresTest or illuminated pushbuttons)
10250TC22	6.55	Green, plastic (for PresTest or illuminated pushbuttons)
10250TC2N	6.55	Green, plastic (for indicating lights)
10250TC43	6.55	Amber, plastic (for PresTest or illuminated pushbuttons)
10250TC6N	6.55	White, plastic (for indicating lights)
10250TC7N	11.70	Red, glass (for indicating lights)
10250TC8N	11.70	Green, glass (for indicating lights)
10250TC9N	11.70	Amber, glass (for indicating lights)

Comes with instruction sheet.

**Ordering Example:** 10250TC12N, white, glass, \$11.70.



### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T LEGEND PLATES</b>		
10250TM13	\$3.10	E-stop
10250TM24	3.10	Off
10250TM25	3.10	On
10250TM31	3.10	Run
10250TM33	3.10	Start
10250TM34	3.10	Stop
10250TM36	3.10	Blank
10250TM38	3.10	For/Rev
10250TM42	3.10	Off/On
10250TM47	3.10	Start/Stop
10250TM50	3.10	F-O-R
10250TM51	3.10	H-O-A
10250TM80	3.10	Power On

Comes with instruction sheet.

**Ordering Example:** 10250TM47, start/stop legend plate, \$3.10.

All models shown smaller than actual size.

10250TN11, \$92



10250TN12, \$103



10250TN13, \$122



10250TN14, \$150



### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>10250T ENCLOSURES</b>		
10250TN11	\$92.00	1-hole 2-contact block depth enclosures
10250TN12	103.00	2-hole 2-contact block depth enclosures
10250TN13	122.00	3-hole 2-contact block depth enclosures
10250TN14	150.00	4-hole 2-contact block depth enclosures

Comes with instruction sheet.

**Ordering Example:** 102TN12, 2-hole, 2 contact block depth enclosure, \$103

All models shown smaller than actual size.

28-3044, \$7



28-3754, \$13



28-3755, \$13



28-494, \$13



28-5184, \$7



28-5185, \$7



### To Order (Specify Model Number)

**AVAILABLE FOR FAST DELIVERY!**

MODEL NO.	PRICE	DESCRIPTION
<b>REPLACEMENT LAMPS</b>		
28-3044	\$7.00	120V, 10250T resistor indicating light
10250ED986-4	17.00	6.3V, 10250T flasher
28-2202	7.00	6.3V, 10250T transformer, PresTest and full voltage
28-5184	7.00	12V, 10250T full voltage
28-5185	7.00	24V, 10250T full voltage
28-5186	7.00	32V, 10250T full voltage
28-5187	7.00	55V, 10250T resistor
28-494	13.00	120V, 10250T neon
28-3754	13.00	120V, 10250T neon, T 3 1/4 bayonet
28-3755	13.00	24V, 10250T neon

Comes with instruction sheet.

**Ordering Example:** 28-3044, replacement lamp 120V, \$7





## UNITED STATES

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