

30.5 mm Heavy-Duty Watertight/Oiltight—10250T



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-T1-284 to V7-T1-325**.

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

Indicating Light Units ①

UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

- LED or incandescent
- Full voltage, resistor or transformer type
- Standard and PresTest types
- Plastic lenses

PresTest—This device incorporates a press-to-test feature whereby depressing the lens disconnects the light from the source being

monitored and connects the lamp to a continuously energized circuit for immediate detection of faulty lamps.

24V Full Voltage Illuminated Light**120 Vac Transformer PresTest****Indicating Light Units**

Type	Voltage	Color	LED/Lamp Number	Indicating Light Catalog Number	PresTest Catalog Number
LED Lamp					
Full voltage	24 Vac/Vdc	Red	Bayonet base	10250T197LRP24	10250T297LRP24
		Green		10250T197LGP24	10250T297LGP24
		Amber		10250T197LAP24	10250T297LAP24
		Yellow		10250T197LYP24	10250T297LYP24
		Blue		10250T197LLP24	10250T297LLP24
		White		10250T197LWP24	10250T297LWP24
		Red		10250T197LRP2A	10250T297LRP2A
		Green		10250T197LGP2A	10250T297LGP2A
		Amber		10250T197LAP2A	10250T297LAP2A
		Yellow		10250T197LYP2A	10250T297LYP2A
		Blue		10250T197LLP2A	10250T297LLP2A
		White		10250T197LWP2A	10250T297LWP2A
		Red		10250T181LRP06	10250T221LRP06
		Green		10250T181LGP06	10250T221LGP06
Transformer	120 Vac	Amber		10250T181LAP06	10250T221LAP06
		Yellow		10250T181LYP06	10250T221LYP06
		Blue		10250T181LLP06	10250T221LLP06
		White		10250T181LWP06	10250T221LWP06
		Red		10250T206NC1N	10250T235NC21
		Green		10250T206NC2N	10250T235NC22
		Amber		10250T206NC19N	10250T235NC43
		Yellow		10250T206NC3N	10250T235NC23
		Blue		10250T206NC4N	10250T235NC24
		Clear		10250T206NC5N	10250T235NC25
		White		10250T206NC6N	10250T235NC26
		Red		10250T201NC1N	10250T231NC21
		Green		10250T201NC2N	10250T231NC22
		Amber		10250T201NC19N	10250T231NC43
		Yellow		10250T201NC3N	10250T231NC23
		Blue		10250T201NC4N	10250T231NC24
		Clear		10250T201NC5N	10250T231NC25
		White		10250T201NC6N	10250T231NC26
		Red		10250T34R	10250T74NR
		Green		10250T34G	10250T74NG
		Amber		10250T34A	10250T74NA
		Yellow		10250T34Y	10250T74NY
		Blue		10250T34B	10250T74NB
		Clear		10250T34C	10250T74NC
		White		10250T34W	10250T74NW

Notes

① Standard indicating lights are rated UL (NEMA) 3S as well.

② For flashing lamp add letter **F** to listed catalog number. Example: 10250T34RF.

UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

Two-Position Push-Pull Units**Operator Position** ^①**Pull****Push****Button Type/Color** ^②**Contact Type****Mounting Location****A****B****Catalog Number** ^②**Two-Position Maintained Push, Maintained Pull****10250T5B62-1X**

O

X

40 mm/red

1NO

**10250T5B62-1X**

X

O

1NC

**10250T5B63-1X**

O

X

40 mm engraved
EMERG. STOP/red

1NO

**10250T5B63-1X**

X

O

1NC

**10250T5J63-1X**

O

X

65 mm aluminum engraved
EMERG. STOP/red

1NO

**10250T5J63-1X**

X

O

1NC

**10250ED1080-2**

O

X

65 mm aluminum engraved
EMERG. STOP/red

1NO

**10250ED1080-2**

X

O

Special security
jumbo mushroom head

1NC

**Button and Color Selection****Color****Suffix Code****Catalog Number****Standard****Standard—40 mm**

Red

B62**10250TB62**

Red (EMERG. STOP)

B63**10250TB63**

Green

B61**10250TB61**

Black

B60**10250TB60**

Blue

B64**10250TB64****Jumbo Mushroom Head****Jumbo Mushroom Head** ^③
(Anodized) Aluminum—65 mm

Red

J62**10250TJ62**

Red (EMERG. STOP)

J63**10250TJ63**

Green

J61**10250TJ61**

Black

J60**10250TJ60**

Yellow

J64**10250TJ64****Notes**^① X = closed circuit, O = open circuit.^② To order different type or color buttons, substitute the underlined characters with appropriate suffix code from the table.
Example: 10250T5B64-1X.^③ Anodized aluminum head is not suitable for use in ultraviolet light applications.

UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

10250T_

**Three-Position Push-Pull Units****Operator Position ^①**

Pull 	Intermediate 	Push 	Button Type/Color ^②	Contact Type	Mounting Location A B	Catalog Number ^②
Maintained Push, Momentary Pull						
X	0	0	40 mm/black	1NC		10250T9B60-3X
X	X	0	40 mm/red	1NC		10250T9B62-3X
			40 mm engraved EMERG. STOP/red			10250T9B63-3X
Momentary Push, Momentary Pull						
X	0	0	40 mm/black	1NC		10250T4B60-3X
X	X	0	40 mm/red	1NC		10250T4B62-3X
0	0	X	40 mm/black	1NO		10250T10B60-1X
X	0	0	40 mm/red	1NC		10250T10B62-1X

Button and Color Selection

Color	Suffix Code	Catalog Number
Standard — 40 mm		
Red	B62	10250TB62
Red (EMERG. STOP)	B63	10250TB63
Green	B61	10250TB61
Black	B60	10250TB60
Blue	B64	10250TB64
Jumbo Mushroom Head ^③ (Anodized) Aluminum — 65 mm		
Red	J62	10250TJ62
Red (EMERG. STOP)	J63	10250TJ63
Green	J61	10250TJ61
Black	J60	10250TJ60
Yellow	J64	10250TJ64

Notes

① X = closed circuit, 0 = open circuit.

② To order different type or color buttons, substitute the underlined characters with appropriate suffix code from the table.
Example: 10250T5B64-1X.

③ Anodized aluminum head is not suitable for use in ultraviolet light applications.

Alternate Lenses for Illuminated Push-Pull Devices

	Lens Color	Incandescent Suffix Code	LED Suffix Code ^①	Catalog Number
Standard 	Standard			
	Red	C47	RD	10250TC47
	Red (EMERG. STOP)	C53	ED	10250TC53
	Green	C48	GD	10250TC48
	Blue	C49	LD	10250TC49
	Amber	C50	AD	10250TC50
	White	C51	WD	10250TC51
	Clear	C52	CD	10250TC52
Side-Lighted Anodized Aluminum Ring 	Side-Lighted Anodized Aluminum Ring			
	Red	C57	RS	10250TC57
	Red (EMERG. STOP)	C63	ES	10250TC63
	Green	C58	GS	10250TC58
	Blue	C59	LS	10250TC59
	Amber	C64	AS	10250TC64
	Yellow	C60	YS	10250TC60
	White	C61	WS	10250TC61
Heavy-Duty Aluminum 	Heavy-Duty Aluminum with Transparent Center			
	Red	C65	RH	10250TC65
	Green	C66	GH	10250TC66
	Amber	C67	AH	10250TC67
	White	C68	—	10250TC68
Jumbo Lens 	Jumbo Lens—50 mm			
	Red	—	—	10250TC77

Buttons for Non-Illuminated Push-Pull Devices

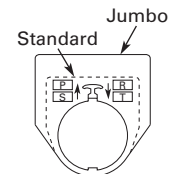
	Color	Suffix Code	Catalog Number
Standard 	Standard		
	Red	B62	10250TB62
	Red (EMERG. STOP)	B63	10250TB63
	Green	B61	10250TB61
	Black	B60	10250TB60
	Blue	B64	10250TB64
Jumbo Mushroom Head 	Jumbo Mushroom Head ^② (Anodized) Aluminum		
	Red	J62	10250TJ62
	Red (EMERG. STOP)	J63	10250TJ63
	Green	J61	10250TJ61
	Black	J60	10250TJ60
	Yellow	J64	10250TJ64

Notes

- ① Suffix codes should only be used for assembling composite catalog numbers. To order lens above, order by catalog number.
 ② Anodized aluminum head is not suitable for use in ultraviolet light applications.

Legend Plates

For a complete listing of available legend plates see **Pages V7-T1-260 to V7-T1-262**.



1.12

Pushbuttons and Indicating Lights

30.5 mm Class I Division 2 Hazardous Locations—10250T/E34

1

UL (NEMA) Type 3, 3R, 4, 4X, 12, 13, NEC Class I Division 2, Groups B, C and D

- Two- and three-position
- Non-illuminated

10250T7_



E34EX7_



Three-Position Momentary Push, Momentary Pull

Operator Function (Position) ①

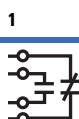
**Momentary—
Pull**

**Maintained—
Intermediate**

**Momentary—
Push**

**Contact
Type**

Mounting Location ①



Red Standard Push-Pull ②

**10250T
Catalog Number**

**E34
Catalog Number**

0
X

0
0

X
0

1NO
1NC

10250T718R

E34EX718R

X
X

0
X

0
0

1NC
1NC



10250T721R

E34EX721R

Button and Color Selection

Standard



Jumbo Mushroom Head



Color	Suffix Code	10250T Catalog Number	E34 Catalog Number
Standard			
Red	R	10250TB62	E34C2
Red (EMERG. STOP)	E	10250TB63	E34C2N8
Green	G	10250TB61	E34C3
Black	B	10250TB60	E34C1
Blue	L	10250TB64	E34C6
Jumbo Mushroom Head (Anodized) Aluminum			
Red	RJ	10250TJ62	E34J2
Red (EMERG. STOP)	EJ	10250TJ63	E34J2N8
Green	GJ	10250TJ61	—
Black	BJ	10250TJ60	—
Yellow	YJ	10250TJ64	—

Notes

① Bolded circuit corresponds to "X-0" circuit selection. X = closed circuit, 0 = open circuit.

② To order different type or color buttons, simply substitute underlined character with appropriate suffix code from the Button and Color Selection table above. Example: 10250T718G.

Alternate Lenses for Illuminated Push-Pull Devices

	Color	10250T Catalog Number	E34 Catalog Number
Standard 	Standard		
	Red	10250TC47	E34M2
	Red (EMERG. STOP)	10250TC53	E34M2N8
	Green	10250TC48	E34M3
	Blue	10250TC49	E34M6
	Amber	10250TC50	E34M9
	White	10250TC51	E34M5
	Clear	10250TC52	E34M0
Side-Lighted (Anodized) Aluminum 	Side-Lighted Anodized Aluminum Ring		
	Red	10250TC57	—
	Red (EMERG. STOP)	10250TC63	—
	Green	10250TC58	—
	Blue	10250TC59	—
	Amber	10250TC64	—
	Yellow	10250TC60	—
	White	10250TC61	—
HD Aluminum with Transparent Center 	Heavy-Duty Aluminum with Transparent Center		
	Red	10250TC65	—
	Green	10250TC66	—
	Amber	10250TC67	—

Buttons for Non-Illuminated Push-Pull Devices

	Color	10250T Catalog Number	E34 Catalog Number
Standard 	Standard		
	Red	10250TB62	E34C2
	Red (EMERG. STOP)	10250TB63	E34C2N8
	Green	10250TB61	E34C3
	Black	10250TB60	E34C1
	Blue	10250TB64	E34C6
Jumbo Mushroom Head 	Jumbo Mushroom Head (Anodized) Aluminum ^①		
	Red	10250TJ62	E34J2
	Red (EMERG. STOP)	10250TJ63	E34J2N8
	Green	10250TJ61	—
	Black	10250TJ60	—
	Yellow	10250TJ64	—

Notes

Use NEMA 4X 10250T operators where exposed to ultraviolet light.

① Anodized aluminum head is not suitable for use with ultraviolet light applications.