

30.5 mm Corrosion Resistant Watertight/Oiltight—E34



Product Description

Eaton's E34 Series 30.5 mm pushbutton line features the same rugged die cast construction of our 10250T line with an additional two-layer 100% solid thermosetting cathodic epoxy coating. This coating provides a flat black smooth, consistent, corrosion resistant surface that has passed a demanding 600 hour salt spray test. (The industry standard for this 4X test requires only 200 hours.)

Features

- Epoxy-coated metal operators
- Corrosion resistant
- Integral ground screw terminal on operators
- FDA approved for sanitary chemical resistance requirements

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Standards and Certifications

- CE EN60947-5-1 and 60947-5-5
- UL 508—File No. E131568
- CSA C22.2 No. 14—File No. LR68551
- FDA 3-A Sanitary Standards



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

Product Overview

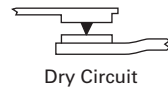
Ultraviolet Light

E34 cathodic coating is not recommended for use in applications where exposure to ultraviolet light exists—use NEMA 4X 10250T operators.

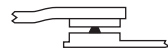
Reliability Nibs

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.

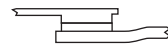
Reliability Nibs



Dry Circuit



Medium Duty



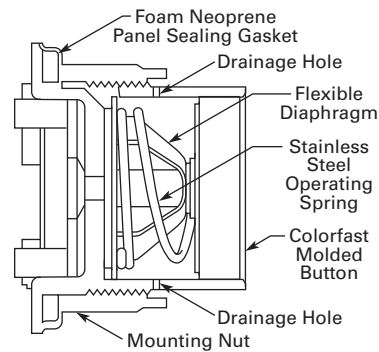
Heavy-Duty

Diaphragm Seal with Drainage Holes

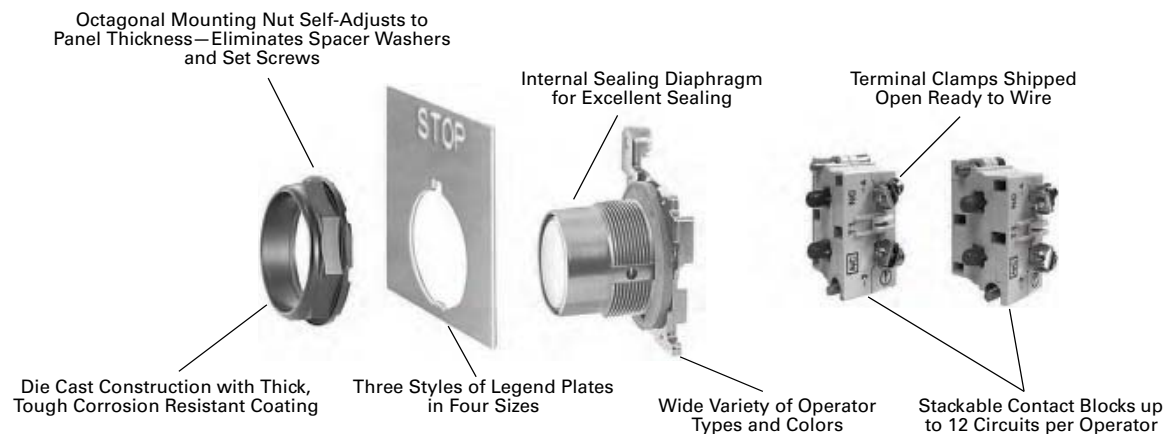
Liquid Drainage

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



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Product Identification**30.5 mm Corrosion Resistant Watertight/Oiltight—E34 Series**

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Ordering Complete Devices

Complete E34 pushbuttons, indicating lights and/or selector switch operators including contact block(s) and legend plate can be ordered using a single composite catalog number. The

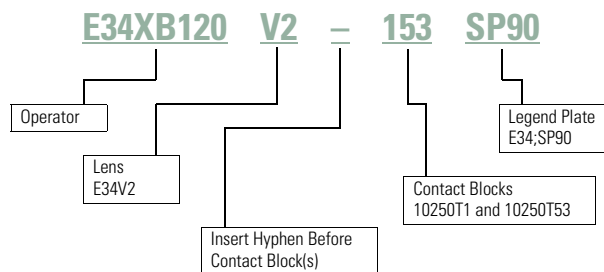
individually packaged components will be shipped unassembled in a single overpack carton marked with the composite catalog number.

Ordering Example

Illuminated Pushbutton Device—Catalog Number E34XB120V2-153SP90

For a complete Catalog Number breakdown, see **Pages V7-T1-287 to V7-T1-288.**

For Complete E34 Device Ordering



Plastic**Indicating Light Lens**

Color	Plastic Catalog Number	Glass ^① Catalog Number
Red	E34H2	E34G2
Green	E34H3	E34G3
Yellow	E34H4	E34G4
White	E34H5	E34G5
Blue	E34H6	E34G6
Ambler	E34H9	E34G9
Clear	E34H0	E34G0

Glass**E34V_****Illuminated Pushbutton Lens**

Color	Catalog Number
Red	E34V2
Green	E34V3
Yellow	E34V4
White	E34V5
Blue	E34V6
Ambler	E34V9
Clear	E34V0

Plastic**PresTest Lens**

Color	Plastic Catalog Number	Glass ^① Catalog Number
Red	E34V2	E34P2
Green	E34V3	E34P3
Yellow	E34V4	E34P4
White	E34V5	E34P5
Blue	E34V6	E34P6
Ambler	E34V9	E34P9
Clear	E34V0	E34P0

Glass**Note**

^① Glass lens has black anodized aluminum bezel.

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Illuminated Pushbutton Units

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

- Momentary contact
- Illuminated
- Plastic lenses

10250T8_**E34EX8_****Illuminated Pushbuttons**

Type	Voltage	Color	Contact	10250T LED/Lamp Number	Catalog Number ①	E34 LED/Lamp Number	Catalog Number ①
LED Lamp							
Full voltage	24 Vac/Vdc	Red	1NO-1NC	Bayonet base	10250T828RD24	Bayonet base	E34EX828RD24
		Green			10250T828GD24		E34EX828GD24
		Amber			10250T828AD24		E34EX828AD24
	120 Vac	Red	1NO-1NC	10250T828RD2A	E34EX828RD2A		
		Green		10250T828GD2A	E34EX828GD2A		
		Amber		10250T828AD2A	E34EX828AD2A		
Transformer	120 Vac	Red	1NO-1NC	10250T802RD06	Bayonet base 6 Vac	E34EX802RD06	
		Green		10250T802GD06		E34EX802GD06	
		Amber		10250T802AD06		E34EX802AD06	
Incandescent Lamp							
Full voltage	24 Vac/Vdc	Red	1NO-1NC	#757	10250T818RD	#757	E34EX818RD
		Green			10250T818GD		E34EX818GD
		Amber			10250T818AD		E34EX818AD
Resistor	120 Vac/Vdc	Red	1NO-1NC	120MB	10250T824RD	120MB	E34EX824RD
		Green			10250T824GD		E34EX824GD
		Amber			10250T824AD		E34EX824AD
Transformer	120 Vac	Red	1NO-1NC	#755	10250T802RD	#755 6 Vac	E34EX802RD
		Green			10250T802GD		E34EX802GD
		Amber			10250T802AD		E34EX802AD

10250TC_**E34V_****Lens Selection**

Color	Suffix Code	Catalog Number	Color	Suffix Code	Catalog Number
10250T			E34		
Red	R	10250TC21	Red	R	E34V2
Green	G	10250TC22	Green	G	E34V3
Yellow	Y	10250TC23	Yellow	Y	E34V4
Amber	A	10250TC43	Amber	A	E34V9
Blue	L	10250TC24	Blue	L	E34V6
Clear	C	10250TC25	Clear	C	E34V0
White	W	10250TC26	White	W	E34V5

Note

① To order different color lens, simply substitute the underlined character in the catalog number with appropriate suffix code from Lens Selection table above. Example: 10250T828YD24.

Guarded Illuminated Pushbutton Units

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

- Momentary contact
- Guarded illuminated
- Plastic lenses

10250T8_**E34EX8_****Guarded Illuminated Pushbuttons**

Type	Voltage	Color	Contact	10250T LED/Lamp Number	Catalog Number ①	E34 LED/Lamp Number	Catalog Number ①
LED Lamp							
Full voltage	24 Vac/Vdc	Red	1NO-1NC	Bayonet base	10250T828RG24	Bayonet base	E34EX828RG24
		Green			10250T828GG24		E34EX828GG24
		Amber			10250T828AG24		E34EX828AG24
	120 Vac	Red	1NO-1NC	10250T828RG2A	E34EX828RG2A		
		Green		10250T828GG2A	E34EX828GG2A		
		Amber		10250T828AG2A	E34EX828AG2A		
	Transformer	120 Vac	Red	1NO-1NC	10250T802RG06	E34EX802RG06	
			Green		10250T802GG06	E34EX802GG06	
			Amber		10250T802AG06	E34EX802AG06	
Incandescent Lamp							
Full voltage	24 Vac/Vdc	Red	1NO-1NC	#757	10250T818RG	#757	E34EX818RG
		Green			10250T818GG		E34EX818GG
		Amber			10250T818AG		E34EX818AG
Resistor	120 Vac/Vdc	Red	1NO-1NC	120MB	10250T824RG	120MB	E34EX824RG
		Green			10250T824GG		E34EX824GG
		Amber			10250T824AG		E34EX824AG
Transformer	120 Vac	Red	1NO-1NC	#755	10250T802RG	#755 6 Vac	E34EX802RG
		Green			10250T802GG		E34EX802GG
		Amber			10250T802AG		E34EX802AG

10250TC2_**E34V_****Lens Selection**

Color	Suffix Code	Catalog Number	Color	Suffix Code	Catalog Number
10250T			E34		
Red	R	10250TC21	Red	R	E34V2
Green	G	10250TC22	Green	G	E34V3
Yellow	Y	10250TC23	Yellow	Y	E34V4
Amber	A	10250TC43	Amber	A	E34V9
Blue	L	10250TC24	Blue	L	E34V6
Clear	C	10250TC25	Clear	C	E34V0
White	W	10250TC26	White	W	E34V5

Note

① To order different color lens, simply substitute the underlined character in the catalog number with appropriate suffix code from Lens Selection table above. Example: 10250T828YD24.

Indicating Light Lenses

	Color	10250T Catalog Number	E34 Catalog Number
Plastic  10250TC_  E34H_	Plastic		
	Red	10250TC1N	E34H2
	Green	10250TC2N	E34H3
	Amber	10250TC19N	E34H9
	Yellow	10250TC3N	E34H4
	Blue	10250TC4N	E34H6
	Clear	10250TC5N	E34H0
	White	10250TC6N	E34H5
Glass  10250TC_  E34G_	Glass		
	Red	10250TC7N	E34G2
	Green	10250TC8N	E34G3
	Amber	10250TC9N	E34G9
	Yellow	—	E34G4
	Blue	10250TC10N	E34G6
	Clear	10250TC11N	E34G0
	White	10250TC12N	E34G5

Illuminated Pushbutton Lenses

	Color	10250T Catalog Number	E34 Catalog Number
10250TC_  E34V_ 	Red	10250TC21	E34V2
	Green	10250TC22	E34V3
	Yellow	10250TC23	E34V4
	Amber	10250TC43	E34V9
	Blue	10250TC24	E34V6
	Clear	10250TC25	E34V0
	White	10250TC26	E34V5