

Product Selection

Momentary Pushbutton Units

■ Non-illuminated

Table 47-261. Pushbutton Units — UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

Contact Type	Button Color	Flush Button		Extended Button		Mushroom Button		Jumbo Mushroom ①	
									
		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
1NO	Black Red Green Red — Engraved EMERG. STOP	E34PB1-53X E34PB2-53X E34PB3-53X —		E34EB1-53X E34EB2-53X E34EB3-53X —		E34LB1-53X E34LB2-53X E34LB3-53X —		E34JB1-53X E34JB2-53X E34JB3-53X E34JB2N8-53X	
1NC	Black Red Green Red — Engraved EMERG. STOP	E34PB1-51X E34PB2-51X E34PB3-51X —		E34EB1-51X E34EB2-51X E34EB3-51X —		E34LB1-51X E34LB2-51X E34LB3-51X —		E34JB1-51X E34JB2-51X E34JB3-51X E34JB2N8-51X	
1NO-1NC	Black Red Green Red — Engraved EMERG. STOP	E34PB1-1X E34PB2-1X E34PB3-1X —		E34EB1-1X E34EB2-1X E34EB3-1X —		E34LB1-1X E34LB2-1X E34LB3-1X —		E34JB1-1X E34JB2-1X E34JB3-1X E34JB2N8-1X	

① Anodized aluminum head — may not be suitable for some corrosive environments.

Indicating Light Units

■ Plastic Lenses



24V Full Voltage
Indicating Light — Red
Catalog Number
E34FB24H2X

Table 47-262. Indicating Light Units — UL (NEMA) Type 3, 3R, 3S, 4, 4X, 12, 13

Lamp	Type	Voltage	Color	Indicating Light ②		LED/Lamp Number
				Catalog Number	Price U.S. \$	
LED	Full Voltage	24V AC/DC	Red Green Amber	E34FB197LRP24 E34FB197LGP24 E34FB197LAP24		Bayonet Base
		120V AC	Red Green Amber	E34FB197LRP2A E34FB197LGP2A E34FB197LAP2A		
Incandescent	Full Voltage	24V AC/DC	Red Green Amber	E34FB24H2X E34FB24H3X E34FB24H9X		#757
	Resistor	120V AC/DC	Red Green Amber	E34RB120H2X E34RB120H3X E34RB120H9X		120MB
	Transformer	120V AC 50/60 Hz	Red Green Amber	E34TB120H2X E34TB120H3X E34TB120H9X		#755

② Anodized aluminum head — may not be suitable for some corrosive environments.

Note: Use NEMA 4X 10250T operators where exposed to ultraviolet light, see Pages 47-115 – 47-165.

Additional Light Units Page 47-170
Dimensions Page 47-191
Enclosures Pages 47-185 – 47-186
Legend Plates Page 47-184
Replacement
Lamps/LEDs Page 47-157
Discount Symbol 1CD1C

Pushbuttons

Table 47-263. Momentary Pushbutton Operators, Non-illuminated — UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

	Color	Catalog Number	Price U.S. \$
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Flush Button

	Black	E34PB1	
	Red	E34PB2	
	Green	E34PB3	
	Yellow	E34PB4	
	White	E34PB5	
	Blue	E34PB6	
	Gray	E34PB7	
	Orange	E34PB8	

Extended Button

	Black	E34EB1	
	Red	E34EB2	
	Green	E34EB3	
	Yellow	E34EB4	
	White	E34EB5	
	Blue	E34EB6	
	Gray	E34EB7	
	Orange	E34EB8	

Half Shrouded Button

		Vertical	Horizontal	
	Black	E34EVB1	E34EHB1	
	Red	E34EVB2	E34EHB2	
	Green	E34EVB3	E34EHB3	
	Yellow	E34EVB4	E34EHB4	
	White	E34EVB5	E34EHB5	
	Blue	E34EVB6	E34EHB6	
	Gray	E34EVB7	E34EHB7	
	Orange	E34EVB8	E34EHB8	

Mushroom Button

	Black	E34LB1	
	Red	E34LB2	
	Green	E34LB3	
	Yellow	E34LB4	
	Blue	E34LB6	

Anodized Aluminum Jumbo Mushroom Button ①

	Black	E34JB1	
	Red	E34JB2	
	Red (Engraved EMER. STOP)	E34JB2N8	
	Green	E34JB3	
	Yellow	E34JB4	

① Anodized aluminum head — may not be suitable for some corrosive environments.

Note: Use NEMA 4X 10250T operators where exposed to ultraviolet light, see **Pages 47-115 – 47-165**.

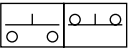
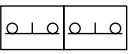
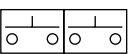
Contact Blocks

See **Page 47-182** for additional contact blocks, fingerproof shrouds and Transparent Amber colored blocks.



Contact Block

Table 47-264. Contact Blocks

Symbol	Circuit	Catalog Number	Price U.S. \$
 Blank No Plunger	NC	10250T51	
 Blank No Plunger	NO	10250T53	
 Blank No Plunger	NO-NC	10250T1	
 Blank No Plunger	2NC	10250T3	
 Blank No Plunger	2NO	10250T2	

E34 Series, Illuminated Components

Illuminated Pushbuttons and Indicating Lights

Table 47-265. Operators without Lens

Light Unit Type	Type	Voltage	Illuminated Pushbutton		Indicating Light		PresTest		Lamp Number
									
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	
LED (LEDs not included) ①	Full Voltage	—	E34CB497L		E34FB197L		E34FPB297L		Bayonet Base
	Transformer AC Only	24	E34XB024L		—		—		
		120	E34XB120L		E34TB120L		E34TPB120L		
		240	E34XB240L		E34TB240L		E34TPB240L		
		277	E34XB277L		E34TB277L		—		
		380	E34XB380L		E34TB380L		E34TPB380L		
Incandescent	Full Voltage AC/DC	480	E34XB480L		E34TB480L		E34TPB480L		#755
		600	E34XB600L		E34TB600L		E34TPB600L		
		6	E34CB06		E34FB06		E34FPB06		
		12	E34CB12		E34FB12		E34FPB12		
		24	E34CB24		E34FB24		E34FPB24		
		32	E34CB32		E34FB32		E34FPB32		
	Resistor ② AC/DC	48	E34CB48		E34FB48		E34FPB48		#756 #757 #1828 #1835
		120	E34SB120		E34RB120		E34RPB120		
		240	E34SB240		E34RB240		E34RPB240		
		24	E34XB024		—		—		
		120	E34XB120		E34TB120		E34TPB120		
		240	E34XB240		E34TB240		E34TPB240		
	Transformer AC Only	277	E34XB277		E34TB277		—		#755
		380	E34XB380		E34TB380		E34TPB380		
		480	E34XB480		E34TB480		E34TPB480		
		600	E34XB600		E34TB600		E34TPB600		
	Neon AC/DC	120	—		E34NB120		—		NE51H-R-22 NE51H-4-68
		240	—		E34NB240		—		

① These units do not include lamps. Order LED separately to match lens color, see Page 47-157 for LED Selection and Pages 47-193 – 47-194 for Catalog Numbering Structure.

② Resistor units are not available for use with LEDs, choose either transformer or full voltage LED style.

Note: Use NEMA 4X 10250T operators where exposed to ultraviolet light, see Pages 47-115 – 47-165.

Table 47-266. Indicating Light Lens

	Color	Plastic		Glass ③	
		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
 Plastic  Glass	Red	E34H2		E34G2	
	Green	E34H3		E34G3	
	Yellow	E34H4		E34G4	
	White	E34H5		E34G5	
	Blue	E34H6		E34G6	
	Amber	E34H9		E34G9	
	Clear	E34H0		E34G0	

③ Glass lens has black anodized aluminum bezel.

Table 47-268. PresTest Lens

	Color	Plastic		Glass ④	
		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
 Plastic  Glass	Red	E34V2		E34P2	
	Green	E34V3		E34P3	
	Yellow	E34V4		E34P4	
	White	E34V5		E34P5	
	Blue	E34V6		E34P6	
	Amber	E34V9		E34P9	
	Clear	E34V0		E34P0	

④ Glass lens has black anodized aluminum bezel.

Table 47-267. Illuminated Pushbutton Lens

	Color	Catalog Number	Price U.S. \$
	Red	E34V2	
	Green	E34V3	
	Yellow	E34V4	
	White	E34V5	
	Blue	E34V6	
	Amber	E34V9	
	Clear	E34V0	

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E34 Series, Push-Pull Components

Push-Pull Operators (Continued)

Push-Pull Light Units, Lenses and Buttons

Table 47-278. Light Units for Illuminated Push-Pull Devices

Light Unit Type	Type	Voltage	Catalog Number	Price U.S. \$	LED/Lamp Number
LED (LEDs not included) ①	Full Voltage	—	10250T97L		Bayonet Base
	Transformer AC Only 50/60 Hz	24	10250T89L		
		120	10250T63L		
		208	10250T64L		
		240	10250T65L		
		277	10250T82L		
		380	10250T66L		
		480	10250T67L		
		600	10250T68L		
	Incandescent	Full Voltage AC or DC	6 12 24/28 32	10250T69 10250T70 10250T79 10250T83	#755 #756 #757 #1828
Incandescent	Resistor AC or DC	120	10250T80		120MB
		240	10250T81		
	Transformer AC Only 50/60 Hz	24	10250T89		#755
		120	10250T63		
		208	10250T64		
		240	10250T65		
		277	10250T82		
		380	10250T66		
		480	10250T67		
		600	10250T68		

① These units do not include lamps. Order LED separately to match lens color from chart at right.

Table 47-279. Buttons for Non-Illuminated Push-Pull Devices

	Color	Incand. Suffix Code	Catalog Number	Price U.S. \$
	Black	C1	E34C1	
	Red	C2	E34C2	
	Red (EMERG. STOP)	C2N8	E34C2N8	
	Green	C3	E34C3	
	Blue	C6	E34C6	
	Jumbo — Red ②	J2	E34J2	
	Jumbo — Red (EMERGENCY STOP)	J2N8	E34J2N8	

② Anodized aluminum may not be suitable for use on some corrosive applications.

Note: Use NEMA 4X 10250T operators where exposed to ultraviolet light, see **Pages 47-115 – 47-165**.

Table 47-280. Alternate Lenses for Illuminated Push-Pull Devices

	Color	Incand. Suffix Code	LED Suffix Code ③	Catalog Number	Price U.S. \$
	Red	M2	RD	E34M2	
	Red (EMERG. STOP)	M2N8	ED	E34M2N8	
	Green	M3	GD	E34M3	
	Blue	M6	LD	E34M6	
	Amber	M9	AD	E34M9	
	White	M5	WD	E34M5	
	Clear	M0	—	E34M0	

③ Suffix Codes should only be used for assembling composite Catalog Numbers. To order lens, order by Catalog Number.

Table 47-281. LED Selection Table

Voltage	Color	Catalog Number	Price U.S. \$
6V AC/DC Suitable for Use with Transformers	Red Orange Yellow Green Blue White	E22LED006RN E22LED006ON E22LED006YN E22LED006GN E22LED006BN E22LED006WN	
12V AC/DC	Red Orange Yellow Green Blue White	E22LED012RN E22LED012ON E22LED012YN E22LED012GN E22LED012BN E22LED012WN	
24V AC/DC	Red Orange Yellow Green Blue White	E22LED024RN E22LED024ON E22LED024YN E22LED024GN E22LED024BN E22LED024WN	
48V AC/DC	Red Orange Yellow Green Blue White	E22LED048RN E22LED048ON E22LED048YN E22LED048GN E22LED048BN E22LED048WN	
60V AC/DC	Red Orange Yellow Green Blue White	E22LED060RN E22LED060ON E22LED060YN E22LED060GN E22LED060BN E22LED060WN	
120V AC	Red Orange Yellow Green Blue White	E22LED120RA E22LED120OA E22LED120YA E22LED120GA E22LED120BA E22LED120WA	
120V DC	Red Orange Yellow Green Blue White	E22LED120RD E22LED120OD E22LED120YD E22LED120GD E22LED120BD E22LED120WD	

Note: For a complete listing of all LEDs available, see **Page 47-165**.

Ordering example with one composite number:

Non-illuminated **E34GDB** + **E34C2** + 10250T1 =

E34GDBC2-1X

Incandescent **E34GDB** + 10250T79 + **E34M2** + 10250T1 =

E34GDB79M2-1X

LED **E34GDB** + 10250T97L + **E34M2** + Voltage Code + 10250T1 =

E34GDB97LRD24-1X

06 — 6V AC/DC
12 — 12V AC/DC
24 — 24V AC/DC
48 — 48V AC/DC
60 — 60V AC/DC
2A — 120V AC
2D — 120V DC

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E34 Series, Legend Plates

Options

Legend Plates

Field Color

Legend plates can be supplied printed on black, red, silver or white field. To order legend printed on a color other than indicated — add Suffix Code to the end of the Catalog Number as follows:

“R” for Red field;
“W” for White field; or
“S” for Silver field.

Example: E34SP26R — Standard plate with red field marked OPEN.

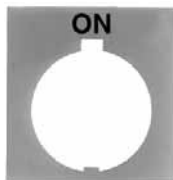
Table 47-299. For Pushbutton Operators and Indicating Lights

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Standard ①	Jumbo

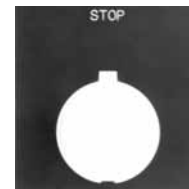
Letters on Legend Plates Below are 3/16" High

CLAMP	Black	E34SP90	E34LP90
CLOSE	Black	E34SP73	E34LP73
DOWN	Black	E34SP74	E34LP74
EMERG. STOP	Red	E34SP13	E34LP13
FAST	Black	E34SP75	E34LP75
FASTER	Black	E34SP87	E34LP87
FEEDER ON	Black	E34SP94	E34LP94
FEEDER OFF	Black	E34SP95	E34LP95
FORWARD	Black	E34SP15	E34LP15
HIGH	Black	E34SP16	E34LP16
IN	Black	E34SP17	E34LP17
INCH	Black	E34SP18	E34LP18
JOG	Black	E34SP19	E34LP19
JOG FOR.	Black	E34SP20	E34LP20
JOG REV.	Black	E34SP21	E34LP21
LOW	Black	E34SP22	E34LP22
LOWER	Black	E34SP23	E34LP23
LUBE-FAIL	Black	E34SP92	E34LP92
MOTOR RUN	Black	E34SP81	E34LP81
MOTOR STOP	Black	E34SP82	E34LP82
OFF	Red	E34SP24	E34LP24
ON	Black	E34SP25	E34LP25
OPEN	Black	E34SP26	E34LP26
OUT	Black	E34SP27	E34LP27
POWER ON	Black	E34SP80	E34LP80
RAISE	Black	E34SP28	E34LP28
READY	Black	E34SP86	E34LP86
RESET	Black	E34SP29	E34LP29
REVERSE	Black	E34SP30	E34LP30
RUN	Black	E34SP31	E34LP31
SAFE	Black	E34SP85	E34LP85
SLOW	Black	E34SP32	E34LP32
SLOWER	Black	E34SP88	E34LP88
START	Black	E34SP33	E34LP33
STOP	Red	E34SP34	E34LP34
TEST	Black	E34SP83	E34LP83
TRANSFER	Black	E34SP93	E34LP93
TRIP	Black	E34SP84	E34LP84
UNCLAMP	Black	E34SP91	E34LP91
UP	Black	E34SP35	E34LP35

① 3/32" high lettering.



Standard



Jumbo

Table 47-300. For Selector Switch Operators

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Standard	Jumbo

2 Position — 3/16" High Lettering

FOR. REV.	Black	E34SP38	E34LP38
HAND AUTO	Black	E34SP39	E34LP39
HIGH LOW	Black	E34SP40	E34LP40
JOG RUN	Black	E34SP41	E34LP41
MAN. AUTO	Black	E34SP67	E34LP67
OFF ON	Black	E34SP42	E34LP42
OPEN CLOSE	Black	E34SP43	E34LP43
RUN JOG	Black	E34SP44	E34LP44
SAFE RUN	Black	E34SP45	E34LP45
START JOG	Black	E34SP46	E34LP46
START STOP	Black	E34SP47	E34LP47
UP DOWN	Black	E34SP48	E34LP48

3 Position — 3/16" High Lettering

AUTO OFF HAND	Black	E34SP49	E34LP49
FOR. OFF REV.	Black	E34SP50	E34LP50
FOR. SAFE REV.	Black	E34SP69	E34LP69
HAND OFF AUTO	Black	E34SP51	E34LP51
MAN. OFF AUTO	Black	E34SP68	E34LP68
OPEN OFF CLOSE	Black	E34SP53	E34LP53
RUN SAFE JOG	Black	E34SP70	E34LP70
UP OFF DOWN	Black	E34SP54	E34LP54
ON STOP SAFE	Black	E34SP71	E34LP71

Table 47-301. For Push-Pull Units

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Standard ②	Jumbo ③
PULL ON/ PUSH OFF	Black	E34PP5	E34R5
PULL OPEN/ PUSH CLOSE	Black	E34PP8	E34R8
PULL UP/ PUSH DOWN	Black	E34PP11	E34R11

② 3/32 inch (2.4 mm) high lettering.

③ 1/8 inch (3.2 mm) high lettering.

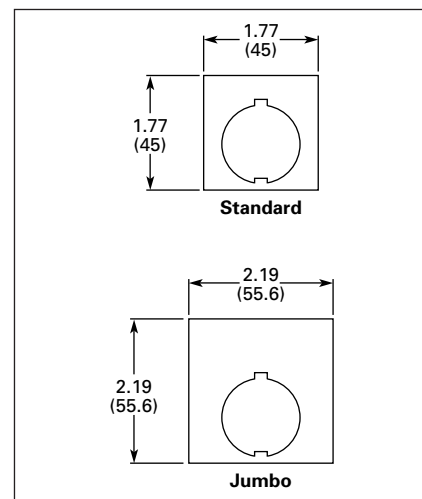


Figure 47-128. Approximate Dimensions in Inches (mm)

Table 47-302. Blank Plastic Legend Plates — Square

Price Each — U.S. \$					
Colors			Catalog Number		
Lettering	Field		Standard	Jumbo	Extra Large
	Side 1	Side 2			
Black	White	Silver	10250TSP76	10250TLP76	10250TEP76
White	Red	Black	10250TSP77	10250TLP77	10250TEP77

Legend Plates with Non-standard Markings or Aluminum Legend Plates

See 10250T listing on Page 47-152.

E34 Series, Accessories

Table 47-308. Accessories (Continued)

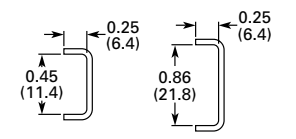
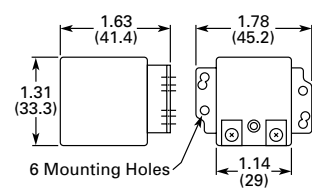
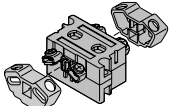
Description	Catalog Number	Price U.S. \$	Overall Dimensions in Inches (mm)
 Thrust Washer — To meet Ford Motor Company mounting specifications.	E34TK3		
 Contact Block Terminal Jumps — Available in multiples of 100 only. Term. to Term. — Within Block (short): 100 per package 1000 per package Terminal to Terminal — Block to Block (long): 100 per package 1000 per package	10250TA70 10250TA70-2 10250TA71 10250TA71-2		 0.25 (6.4) 0.45 (11.4) 0.86 (21.8)
 Master Test (Dual Input) Module — Internal Form C relay suitable for either AC or DC applications. Total electrical isolation between monitored and test circuit. Fits all illuminated 10250T, E22, E30 and E34 devices. 48V DC	10250TMT8		 1.63 (41.4) 1.78 (45.2) 1.31 (33.3) 1.14 (29) 6 Mounting Holes
 Flasher Module — Internal Form C relay suitable for AC applications. One unit required for each operator in master test circuit. 24V AC 120V AC	10250TFL2 10250TFL1		
 Panel Mounting Nut Wrench — E22, E30, E34 and Octagonal 10250T.	E22CW		
 Fingerproof Shroud — 10 per Package Fits new style contact blocks and light units.	10250TA101		

Table 47-309. Replacement Lamps — For E34 Illuminated Operators

Mfg. Lamp Type	Voltage	Base Style	Application	Part Number	Price U.S. \$
120MB	120V	T 3-1/4 Bayonet	10250T Resistor Indicating Light	28-3044	
#267	6.3V	T 3-1/4 Bayonet	10250T Flasher	10250ED986-4	
#755	6.3V	T 3-1/4 Bayonet	10250T Transformer, PresTest and Full Voltage	28-2202	
#756	12V	T 3-1/4 Bayonet	10250T Full Voltage	28-5184	
#757	24V	T 3-1/4 Bayonet	10250T Full Voltage	28-5185	
#1828	32V	T 3-1/4 Bayonet	10250T Full Voltage	28-5186	
#1835	55V	T 3-1/4 Bayonet	10250T Resistor	28-5187	
NE48	120V	T 4-1/2 Bayonet	10250T Neon	28-494	
NE51H-R22	120V	T 3-1/4 Bayonet	10250T Neon	28-3754	
NE51H-R68	240V	T 3-1/4 Bayonet	10250T Neon	28-3755	