

E34 Series, Components — Contact Blocks

Contact Blocks

Standard Contact Blocks

- UL A600/P600 rated
- Color-coded plungers – red/green for NC/NO circuits
- Silver contact tips with “reliability nibs”
- Black (opaque) or amber (translucent) housings
- Pressure plate or spade terminals
- Fingerproof shrouds (for pressure terminals only)

Logic Level Contact Blocks

- UL A600/P600 rated
- Black plungers
- Inert palladium knife-blade contacts
- Black (opaque) housings
- Pressure plate or spade terminals
- Fingerproof shrouds not available

Special Function Contact Blocks

- UL A600/P600 rated
- Black plungers
- Silver contact tips with “reliability nibs”
- Black (opaque) housings
- Pressure plate terminals only
- Fingerproof shrouds not available

Special Purpose Contact Block

- Maximum 300V rated
- Black plungers
- Silver contact tips with “reliability nibs”
- Black (opaque) housings
- Pressure plate terminals only
- Fingerproof shrouds not available

Reliability Nibs

Reliability nibs are the hallmark of Eaton’s Cutler-Hammer contact blocks. A pointed silver nib on the contact tip

ensures reliable switching from logic level (5V) up to 600V applications. Therefore standard contact blocks can be used for most logic level applications where the contacts are not exposed to any harsh environmental conditions.

Palladium Contacts

Palladium, which is more inert than gold, is well suited for voltages and currents approaching zero and is recommended for applications where environmental conditions are a factor.

Maximum Contact Block Mounting per Operator Type

Operator	Max. Stack	Operator	Max. Stack
Pushbuttons	6	2- or 3-Position Selector Switches	6
Push-Pull Operators	2	4-Position Selector Switches	4
Roto-Push Operators	4	Joysticks	4

Table 47-297. Contact Blocks

Symbol	Circuit	Description/ Notes ①	Standard				Logic Level			
			Pressure Terminals		Spade Terminals ②		Pressure Terminals		Spade Terminals ②	
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	Blank No Plunger 1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51		10250T59		10250T51E		10250T59E	
	Blank No Plunger 1NO	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T53		10250T60		10250T53E		10250T60E	
	NO-NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T1		10250T40		10250T1E		10250T40E	
	2NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T3		10250T42		10250T3E		10250T42E	
	2NO	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T2		10250T41		10250T2E		10250T41E	

Special Function Blocks ③

	Blank No Plunger LONC	Late opening NC. Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T71 ③		—		10250T71E ③		—	
	ECNO-NC	Early closing NO and standard NC. Stack up to 6 blocks unless otherwise noted.	10250T47 ③ ④		—		10250T47E ③		—	
	ECNO-NO	Early closing NO and standard NO. Stack up to 4 blocks unless otherwise noted.	10250T57 ③ ④		—		10250T57E ③		—	
	2LONC	Two late opening NC contacts. Stack up to 6 blocks unless otherwise noted.	10250T45 ③		—		10250T45E ③		—	
	LONC-ECNO	Overlapping contacts. Stack up to 4 blocks unless otherwise noted.	10250T55 ③ ④		—		10250T55E ③		—	

Special Purpose Blocks ⑤

	2NO-2NC	Four circuits in single block depth. Rated 300V max. Stack up to 4 blocks unless otherwise noted.	10250T44 ⑤		—					
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① All 10250T contact blocks shown are suitable for use on standard 10250T and E34 operators. These contact blocks are not suitable for Class I Division 2 type 10250T or E34 devices.

② Contact blocks with spade terminals are limited to a maximum of one contact block per operator and minimum spacing between devices is 2.5” (63.5 mm). Not suitable for use in 10250T or E34 enclosures. Also available in amber housing. Not available with fingerproof shrouds.

③ Special function contact blocks are not suitable for use with roto-push operators, 3-position push-pull operators, or 4-position selector switches.

④ ECNO contact blocks are not suitable for use with 2-position joysticks or when operators are used with padlock attachments.

⑤ Special purpose 10250T44 contact blocks are not suitable on selector switches or roto-push operators. Okay to use with 3-position push-pull operators only on low voltage (30V or less) circuits.

Ratings **Page 47-116**
 Dimensions **Pages 47-160 – 47-162**
 Discount Symbol **1CD1C**