

10250T 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”
- Gray (opaque) or amber (translucent) housings
- Pressure plate or spade terminals
- Fingerproof shrouds (for pressure terminals only)

Logic Level Contact Blocks

- UL A600/P600 rated
- Color-coded plungers
- Inert palladium knife-blade contacts
- Gray (opaque) housings
- Pressure plate or spade terminals

Special Function Contact Blocks

- UL A600/P600 rated
- Color-coded plungers
- Silver contact tips with “reliability nibs”
- Gray (opaque) housings
- Pressure plate terminals only

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 47-234. Contact Blocks

Symbol	Circuit	Description n/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. \$
	1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51		10250T59		10250T51E		10250T59E	
	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										
	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		—					

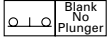
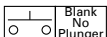
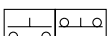
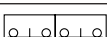
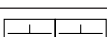
① All 10250T contact blocks shown are suitable for use on standard 10250T and E34 operators. These contact blocks are not suitable for Class I Division 2 type 10250T or E34 devices.
 ② Contact blocks with spade terminals are limited to a maximum of one contact block per operator and minimum spacing between 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. Fingerproof shrouds not available.

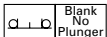
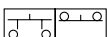
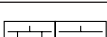
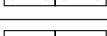
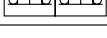
Contact Blocks (Continued)

Table 47-235. Contact Blocks with Fingerproof Shrouds

Symbol	Circuit	Description/ Notes ①	Standard		Logic Level	
			Pressure Terminals ②		Pressure Terminals ②	
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51P		10250T51EP	
	1NO	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T53P		10250T53EP	
	NO-NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T1P		10250T1EP	
	2NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T3P		10250T3EP	
	2NO	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T2P		10250T2EP	



Special Function Blocks ④

	LONC	Late opening NC. Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T71P ③		10250T71EP ③	
	ECNO-NC	Early closing NO and standard NC. Stack up to 6 blocks unless otherwise noted.	10250T47P ③ ④		10250T47EP ③	
	ECNO-NO	Early closing NO and standard NO. Stack up to 4 blocks unless otherwise noted.	10250T57P ③ ④		10250T57EP ③	
	2LONC	Two late opening NC contacts. Stack up to 6 blocks unless otherwise noted.	10250T45P ③		10250T45EP ③	
	LONC-ECNO	Overlapping contacts. Stack up to 4 blocks unless otherwise noted.	10250T55P ③ ④		10250T55EP ③	

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 To order contact blocks with translucent amber housing, change Suffix P to **CP** in Catalog Number e.g. 10250T51**CP**.


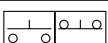
③ Special function contact blocks are not suitable for use with roto-push operators, 3-position push-pull operators, or 4-position selector switches.

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

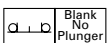
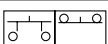
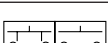
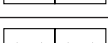
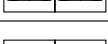
10250T Series, Components — Contact Blocks

Contact Blocks (Continued)

Table 47-236. Amber Contact Blocks

Symbol	Circuit	Description/ Notes ^①	 10250T1C	Standard				Logic Level			
				Pressure Terminals ^②		Spade Terminals ^③		Pressure Terminals ^②		Spade Terminals ^③	
				Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51C		10250T59C		10250T51EC		10250T59EC		
	1NO	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T53C		10250T60C		10250T53EC		10250T60EC		
	NO-NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T1C		10250T40C		10250T1EC		10250T40EC		
	2NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T3C		10250T42C		10250T3EC		10250T42EC		
	2NO	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T2C		10250T41C		10250T2EC		10250T41EC		

Special Function Blocks ^③

	LONC	Late opening NC. Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T71C ^④		—		10250T71EC ^④		—	
	ECNO-NC	Early closing NO and standard NC. Stack up to 6 blocks unless otherwise noted.	10250T47C ^{④ ⑤}		—		10250T47EC ^④		—	
	ECNO-NO	Early closing NO and standard NO. Stack up to 4 blocks unless otherwise noted.	10250T57C ^{④ ⑤}		—		10250T57EC ^④		—	
	2LONC	Two late opening NC contacts. Stack up to 6 blocks unless otherwise noted.	10250T45C ^④		—		10250T45EC ^④		—	
	LONC-ECNO	Overlapping contacts. Stack up to 4 blocks unless otherwise noted.	10250T55C ^{④ ⑤}		—		10250T55EC ^④		—	

^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 To order amber contact blocks with fingerproof shrouds, change Suffix to **CP** in the Catalog Number e.g. 10250T51**CP**. Not available with spade terminals.

^③ 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.

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

^⑤ ECNO contact blocks are not suitable for use with 2-position joysticks or when operators are used with padlock attachments.