

**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 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.

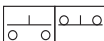
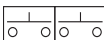
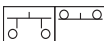
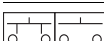
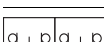
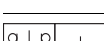
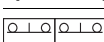
**Maximum Contact Block Mounting per Operator Type**

| Operator                                 | Max. Stack |
|------------------------------------------|------------|
| Pushbuttons                              | 6          |
| Push-pull operators                      | 2          |
| Roto-push operators                      | 4          |
| Two- or three-position selector switches | 6          |
| Four-position selector switches          | 4          |
| Joysticks                                | 4          |

## 10250T1



## Contact Blocks

| Symbol                                                                                                        | Circuit   | Description <sup>①</sup>                                                                             | Standard Pressure Terminal Catalog Number | Spade Terminal Catalog Number <sup>②</sup> | Logic Level Pressure Terminal Catalog Number | Spade Terminal Catalog Number <sup>②</sup> |
|---------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------------|
|  <div>Blank No Plunger</div> | 1NC       | Stack up to six blocks (six circuits) unless otherwise noted.                                        | <b>10250T51</b>                           | <b>10250T59</b>                            | <b>10250T51E</b>                             | <b>10250T59E</b>                           |
|  <div>Blank No Plunger</div> | 1NO       | Stack up to six blocks six circuits) unless otherwise noted.                                         | <b>10250T53</b>                           | <b>10250T60</b>                            | <b>10250T53E</b>                             | <b>10250T60E</b>                           |
|                              | NO-NC     | Stack up to six blocks (12 circuits) unless otherwise noted.                                         | <b>10250T1</b>                            | <b>10250T40</b>                            | <b>10250T1E</b>                              | <b>10250T40E</b>                           |
|                              | 2NC       | Stack up to six blocks (12 circuits) unless otherwise noted.                                         | <b>10250T3</b>                            | <b>10250T42</b>                            | <b>10250T3E</b>                              | <b>10250T42E</b>                           |
|                              | 2NO       | Stack up to six blocks (12 circuits) unless otherwise noted.                                         | <b>10250T2</b>                            | <b>10250T41</b>                            | <b>10250T2E</b>                              | <b>10250T41E</b>                           |
| <b>Special Function Blocks <sup>③</sup></b>                                                                   |           |                                                                                                      |                                           |                                            |                                              |                                            |
|  <div>Blank No Plunger</div> | LONC      | Late opening NC. Stack up to six blocks (six circuits) unless otherwise noted.                       | <b>10250T71</b> <sup>③</sup>              | —                                          | <b>10250T71E</b> <sup>③</sup>                | —                                          |
|                              | ECNO-NC   | Early closing NO and standard NC. Stack up to six blocks unless otherwise noted.                     | <b>10250T47</b> <sup>③④</sup>             | —                                          | <b>10250T47E</b> <sup>③</sup>                | —                                          |
|                              | ECNO-NO   | Early closing NO and standard NO. Stack up to four blocks unless otherwise noted.                    | <b>10250T57</b> <sup>③④</sup>             | —                                          | <b>10250T57E</b> <sup>③</sup>                | —                                          |
|                              | 2LONC     | Two late opening NC contacts. Stack up to six blocks unless otherwise noted.                         | <b>10250T45</b> <sup>③</sup>              | —                                          | <b>10250T45E</b> <sup>③</sup>                | —                                          |
|                              | LONC-ECNO | Overlapping contacts. Stack up to four blocks unless otherwise noted.                                | <b>10250T55</b> <sup>③④</sup>             | —                                          | <b>10250T55E</b> <sup>③</sup>                | —                                          |
| <b>Special Purpose Blocks <sup>⑤</sup></b>                                                                    |           |                                                                                                      |                                           |                                            |                                              |                                            |
|                            | 2NO-2NC   | Four circuits in single block depth. Rated 300V max. Stack up to four blocks unless otherwise noted. | <b>10250T44</b> <sup>⑤</sup>              | —                                          |                                              |                                            |

## Notes

- <sup>①</sup> 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.
- <sup>②</sup> Contact blocks with spade terminals are limited to a maximum of one contact block per operator and minimum spacing between devices is 2.5 in (63.5 mm). Not suitable for use in 10250T or E34 enclosures. Also available in amber housing. Not available with fingerproof shrouds.
- <sup>③</sup> Special function contact blocks are not suitable for use with roto-push operators, three-position push-pull operators, or four-position selector switches.
- <sup>④</sup> ECNO contact blocks are not suitable for use with two-position joysticks or when operators are used with padlock attachments.
- <sup>⑤</sup> Special purpose 10250T44 contact blocks are not suitable on selector switches or roto-push operators. Okay to use with three-position push-pull operators only on low voltage (30V or less) circuits. Fingerproof shrouds not available.

10250T1CP



## Contact Blocks with Fingerproof Shrouds

| Symbol                                      | Circuit   | Description <sup>①</sup>                                                          | Standard Pressure Terminal <sup>②</sup> Catalog Number | Logic Level Pressure Terminal <sup>②</sup> Catalog Number |
|---------------------------------------------|-----------|-----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|
| Blank No Plunger                            | 1NC       | Stack up to six blocks (six circuits) unless otherwise noted.                     | <b>10250T51P</b>                                       | <b>10250T51EP</b>                                         |
| Blank No Plunger                            | 1NO       | Stack up to six blocks (six circuits) unless otherwise noted.                     | <b>10250T53P</b>                                       | <b>10250T53EP</b>                                         |
| Blank No Plunger                            | NO-NC     | Stack up to six blocks (12 circuits) unless otherwise noted.                      | <b>10250T1P</b>                                        | <b>10250T1EP</b>                                          |
| Blank No Plunger                            | 2NC       | Stack up to six blocks (12 circuits) unless otherwise noted.                      | <b>10250T3P</b>                                        | <b>10250T3EP</b>                                          |
| Blank No Plunger                            | 2NO       | Stack up to six blocks (12 circuits) unless otherwise noted.                      | <b>10250T2P</b>                                        | <b>10250T2EP</b>                                          |
| <b>Special Function Blocks <sup>③</sup></b> |           |                                                                                   |                                                        |                                                           |
| Blank No Plunger                            | LONC      | Late opening NC. Stack up to six blocks (six circuits) unless otherwise noted.    | <b>10250T71P</b> <sup>④</sup>                          | <b>10250T71EP</b> <sup>④</sup>                            |
| Blank No Plunger                            | ECNO-NC   | Early closing NO and standard NC. Stack up to six blocks unless otherwise noted.  | <b>10250T47P</b> <sup>③④</sup>                         | <b>10250T47EP</b> <sup>④</sup>                            |
| Blank No Plunger                            | ECNO-NO   | Early closing NO and standard NO. Stack up to four blocks unless otherwise noted. | <b>10250T57P</b> <sup>③④</sup>                         | <b>10250T57EP</b> <sup>④</sup>                            |
| Blank No Plunger                            | 2LONC     | Two late opening NC contacts. Stack up to six blocks unless otherwise noted.      | <b>10250T45P</b> <sup>④</sup>                          | <b>10250T45EP</b> <sup>④</sup>                            |
| Blank No Plunger                            | LONC-ECNO | Overlapping contacts. Stack up to four blocks unless otherwise noted.             | <b>10250T55P</b> <sup>③④</sup>                         | <b>10250T55EP</b> <sup>④</sup>                            |

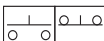
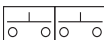
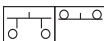
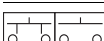
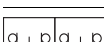
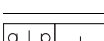
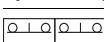
**Notes**

- <sup>①</sup> 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.
- <sup>②</sup> To order contact blocks with translucent amber housing, change suffix P to **CP** in catalog number e.g. 10250T51**CP**.
- <sup>③</sup> ECNO contact blocks are not suitable for use with two-position joysticks or when operators are used with padlock attachments.
- <sup>④</sup> Special function contact blocks are not suitable for use with roto-push operators, three-position push-pull operators, or four-position selector switches.

## 10250T1



## Contact Blocks

| Symbol                                                                                                        | Circuit   | Description <sup>①</sup>                                                                             | Standard Pressure Terminal Catalog Number | Spade Terminal Catalog Number <sup>②</sup> | Logic Level Pressure Terminal Catalog Number | Spade Terminal Catalog Number <sup>②</sup> |
|---------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------------------|
|  <div>Blank No Plunger</div> | 1NC       | Stack up to six blocks (six circuits) unless otherwise noted.                                        | <b>10250T51</b>                           | <b>10250T59</b>                            | <b>10250T51E</b>                             | <b>10250T59E</b>                           |
|  <div>Blank No Plunger</div> | 1NO       | Stack up to six blocks six circuits) unless otherwise noted.                                         | <b>10250T53</b>                           | <b>10250T60</b>                            | <b>10250T53E</b>                             | <b>10250T60E</b>                           |
|                              | NO-NC     | Stack up to six blocks (12 circuits) unless otherwise noted.                                         | <b>10250T1</b>                            | <b>10250T40</b>                            | <b>10250T1E</b>                              | <b>10250T40E</b>                           |
|                              | 2NC       | Stack up to six blocks (12 circuits) unless otherwise noted.                                         | <b>10250T3</b>                            | <b>10250T42</b>                            | <b>10250T3E</b>                              | <b>10250T42E</b>                           |
|                              | 2NO       | Stack up to six blocks (12 circuits) unless otherwise noted.                                         | <b>10250T2</b>                            | <b>10250T41</b>                            | <b>10250T2E</b>                              | <b>10250T41E</b>                           |
| <b>Special Function Blocks <sup>③</sup></b>                                                                   |           |                                                                                                      |                                           |                                            |                                              |                                            |
|  <div>Blank No Plunger</div> | LONC      | Late opening NC. Stack up to six blocks (six circuits) unless otherwise noted.                       | <b>10250T71</b> <sup>③</sup>              | —                                          | <b>10250T71E</b> <sup>③</sup>                | —                                          |
|                              | ECNO-NC   | Early closing NO and standard NC. Stack up to six blocks unless otherwise noted.                     | <b>10250T47</b> <sup>③④</sup>             | —                                          | <b>10250T47E</b> <sup>③</sup>                | —                                          |
|                              | ECNO-NO   | Early closing NO and standard NO. Stack up to four blocks unless otherwise noted.                    | <b>10250T57</b> <sup>③④</sup>             | —                                          | <b>10250T57E</b> <sup>③</sup>                | —                                          |
|                              | 2LONC     | Two late opening NC contacts. Stack up to six blocks unless otherwise noted.                         | <b>10250T45</b> <sup>③</sup>              | —                                          | <b>10250T45E</b> <sup>③</sup>                | —                                          |
|                              | LONC-ECNO | Overlapping contacts. Stack up to four blocks unless otherwise noted.                                | <b>10250T55</b> <sup>③④</sup>             | —                                          | <b>10250T55E</b> <sup>③</sup>                | —                                          |
| <b>Special Purpose Blocks <sup>⑤</sup></b>                                                                    |           |                                                                                                      |                                           |                                            |                                              |                                            |
|                            | 2NO-2NC   | Four circuits in single block depth. Rated 300V max. Stack up to four blocks unless otherwise noted. | <b>10250T44</b> <sup>⑤</sup>              | —                                          |                                              |                                            |

## Notes

- <sup>①</sup> 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.
- <sup>②</sup> Contact blocks with spade terminals are limited to a maximum of one contact block per operator and minimum spacing between devices is 2.5 in (63.5 mm). Not suitable for use in 10250T or E34 enclosures. Also available in amber housing. Not available with fingerproof shrouds.
- <sup>③</sup> Special function contact blocks are not suitable for use with roto-push operators, three-position push-pull operators, or four-position selector switches.
- <sup>④</sup> ECNO contact blocks are not suitable for use with two-position joysticks or when operators are used with padlock attachments.
- <sup>⑤</sup> Special purpose 10250T44 contact blocks are not suitable on selector switches or roto-push operators. Okay to use with three-position push-pull operators only on low voltage (30V or less) circuits.

## 1

**Electrical Ratings—Contact Block****Meet or Exceed NEMA Contact Rating Designations A600 and Q300**

| Description                                  | A600 (AC) |      |      |      | Q300 (DC) |      |
|----------------------------------------------|-----------|------|------|------|-----------|------|
|                                              | 120V      | 240V | 480V | 600V | 125V      | 250V |
| Make and emerg. interrupting capacity (amps) | 60        | 30   | 15   | 12   | 0.55      | 0.27 |
| Normal load break (amps)                     | 6         | 3    | 1.5  | 1.2  | 0.55      | 0.27 |
| Thermal current (amps)                       | 10        | 10   | 10   | 10   | 2.5       | 2.5  |
| Voltamperes:                                 |           |      |      |      |           |      |
| Maximum make                                 | 7200      | 7200 | 7200 | 7200 | 69        | 69   |
| Maximum break                                | 720       | 720  | 720  | 720  | 69        | 69   |

**Temperature Codes**

All illuminated devices have operating temperatures below 100°C except for the following catalog numbers with temperature codes per NEC table 500.5(d) and UL 1604:

| 10250T                                 | E34       | Temp. Code |
|----------------------------------------|-----------|------------|
| 10250T201H                             | E34RB120H | T3C        |
| 10250T202H                             | E34RB240H | T3A        |
| 10250T471H                             | E34SB120H | TC3        |
| 10250T472H                             | E34SB240H | T3B        |
| 10250T80H                              | —         | T3C        |
| 10250T81H                              | —         | T3B        |
| All selector switches w/120 MB lamp    |           | T3C        |
| All illuminated devices with lamp 1835 |           | T4A        |

**Note:** For additional technical information, see Publication Number **TD.74.T.E.04**.