

## E50 Heavy-Duty Factory Sealed 6P+ Switches

## Product Description

E50 6P+ Limit Switches by Eaton's electrical sector were specifically designed to withstand the penetrating properties of cutting fluids and coolants, such as those used in the automotive industry, as well as extreme shock, vibration and temperature fluctuations. The one-piece, epoxy filled switch body is prewired at the factory to ensure leak-proof, submersible performance. This unique construction positively stops fluid from finding its way to any and all critical connections.

Our 6P+ switches can be ordered in separate components or as complete assembled devices. They are available with prewired 16 AWG cables or miniconnectors. Standard and custom cable lengths are available. As part of the E50 line, the 6P+ switches use the same operating heads as the standard E50 plug-in models to reduce the components you need to inventory.

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## Features

- Manufactured to take the physical and environmental abuse (including cutting fluids and chemicals) of harsh industrial environments
- Modular, plug-in components (head and switch body) provide application flexibility, reduced inventory and less downtime
- Chemical resistant Viton gaskets, seals and boots are standard, and so are captive, posi-drive screws
- A special tertiary seal on the switch body prevents fluid from entering even when the operating head is not attached


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- 600V rating, ridge-topped contacts and wiping action assure continuity even to logic level circuits
- Factory wired cable features a 350 pound pullout capacity
- Keyed, four direction head positioning. Standard $5^{\circ}$ pre-travel and $90^{\circ}$ total travel
- 24-120 Vac/dc LED and 120 Vac neon indicating lights available
- Rotary heads are field convertible CW, CCW, or both, without special tools


## Standards and Certifications

- UL Listed
- CSA Certified
- IEC.947.5.1
- TUV—E9271605E02
- CE (where shown)



## Product Selection

## Assembled Switches-Standard

Connection is by 8 ft cable $\odot$.

## $\overline{\text { Assembled Switch E50 Heavy-Duty Factory Sealed 6P+ Switches, Assembled - Standard }}$



Lever sold separately

## Operating Head Type ${ }^{\text {(2) }}$



Adjustable Spring Return

Side Rotary (requires an operating lever, see Page V8-T2-80)

| Standard spring <br> return-E50DR1 3 | E50AR16P | E50ALR16P | E50ANR16P |
| :--- | :--- | :--- | :--- |
| Low force spring | E50AL16P | E50ALL16P | E50ANL16P |

Low force spring
return-E50DL1 (3)

| Maintained two- | E50AM16P | E50ALM16P | E50ANM16P |
| :--- | :--- | :--- | :--- |
| position-E50DM1 | CE |  |  |


| Side Pushbutton |  |  |  |
| :--- | :--- | :--- | :--- |
| Spring return- | E50AS16P | E50ALS16P | E50ANS16P |
| E50DS1 | $C \in$ |  |  |



Single-Pole

## Indicating Light:

Switch Body:

Description

- IED

None
E50SA6P
1NO-1NC
Assembled Switch
Catalog Number

| LED | Neon |
| :--- | :--- |
| $(24-120$ Vac/dc) | $(120$ Vac) |

E50ALL16P
E50ANL16

50ANM16

E50ANS16P
( $\in$
( $\in$


Two-Pole

| None | LED <br> $(24-120 ~ V a c / d c)$ | Neon <br> $(120 ~ V a c)$ |
| :--- | :--- | :--- |
| E50SB6P | E50SBL6P | E50SBN6P |
| 2N0-2NC | 2N0-2NC | 2N0-2NC |
| Assembled Switch |  |  |
| Catalog Number |  |  |

Catalog Number

|  |  |  |
| :--- | :--- | :--- |
| E50BR16P | E50BLR16P | E50BNR16P |
|  |  |  |
| E50BL16P | E50BL16P |  |


| E50BL16P | E50BLL16P | E50BNL16P |
| :--- | :--- | :--- |


| E50BM16P | E50BLM16P | E50BNM16P |
| :--- | :--- | :--- |

E50BS16P E50BLS16P E50BNS16P

E50BS26P
E50BLS26P
E50BNS26P
E50BS26P E50BLS26P E50BNS26P


Circuit Diagrams, see Page V8-T2-77.
Notes
(1) Connection options (add the code suffix from the table below to the end of the catalog number):

| Option |  | Catalog Number | Code Suffix |
| :--- | :--- | :--- | :--- |
| Mini-connector ${ }^{4}$ ( | Single-pole (5-pin mini-connector) | CSMS5D5CY1602 | C |
|  | Two-pole (9-pin mini-connector) | CSMS9D9CY1602 | C |
| Cable connection | 12 ft cable length (standard) | - | $\mathbf{1 2}$ |
|  | 20 ft cable length (standard) | - | $\mathbf{2 0}$ |
|  | Other lengths (special order) | - | Length in ft |

For operating head specifications, see Page V8-T2-72.
CW (clockwise) and CCW (counterclockwise) operation, easily convertible to CW only or CCW only operation.
(4) For a full selection of connector cables, see Tab 10, section 10.1.


[^0]:    For the most current information on this product, visit our Web site: www.eaton.com

