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

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## 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.

## 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

 600V rating, ridge-topped contacts and wiping action assure continuity even to logic level circuits

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Dimensions

- Factory wired cable features a 350 pound pullout capacity
- Keyed, four direction head positioning. Standard 5° pre-travel and 90° 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

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



# **DANGER**

THIS SENSOR IS NOT A SAFETY DEVICE AND IS NOT INTENDED TO BE USED AS A SAFETY DEVICE. This sensor is designed only to detect and read certain data in an electronic manner and perform no use apart from that, specifically no safetyrelated use. This sensor product does not include self-checking redundant circuitry, and the failure of this sensor product could cause either an energized or de-energized output condition, which could result in death, serious bodily injury, or property damage.

For the most current information on this product, visit our Web site: www.eaton.com For Customer Service in the U.S. call 1-877-ETN CARE (386-2273), in Canada call 1-800-268-3578. For Application Assistance in the U.S. and Canada call 1-800-426-9184.

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

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## **Product Selection**

## Assembled Switches—Standard

Connection is by 8 ft cable <sup>①</sup>.

## Assembled Switch E50 Heavy-Duty Factory Sealed 6P+ Switches, Assembled – Standard

					-			
		Single-Pole	150	New	Two-Pole	150	Maar	
ever sold separately	Indicating Light:	None	LED (24–120 Vac/dc)	Neon (120 Vac)	None	LED (24–120 Vac/dc)	Neon (120 Vac)	
	Switch Body:	E50SA6P 1NO-1NC	E50SAL6P 1NO-1NC	E50SAN6P 1NO-1NC	E50SB6P 2NO-2NC	E50SBL6P 2NO-2NC	E50SBN6P 2NO-2NC	
perating Head Type $^{\odot}$	Description	Assembled Switch Catalog Number			Assembled Swi Catalog Numbe			
Side Rotary	Side Rotary (requires an operating lever, see Page V8-T2-80)							
	Standard spring return—E50DR1 ③	e50AR16P CE	E50ALR16P	E50ANR16P	E50BR16P	E50BLR16P	E50BNR16P	
	Low force spring return—E50DL1 ③	E50AL16P CE	E50ALL16P	E50ANL16P	E50BL16P	E50BLL16P	E50BNL16P	
	Maintained two- position—E50DM1	Е50АМ16Р С €	E50ALM16P	E50ANM16P	E50BM16P	E50BLM16P	E50BNM16P	
	Side Pushbutton							
pring Return	Spring return— E50DS1	e50AS16P CE	E50ALS16P	E50ANS16P	E50BS16P	E50BLS16P	E50BNS16P	
Adjustable Spring Return	Adjustable spring return—E50DS2	e50AS26P CE	E50ALS26P	E50ANS26P	E50BS26P	E50BLS26P	E50BNS26P	
	Circuit Diagrams, see Page V8-T2-77.							
	Notes				mbas)			
	<ul> <li>Connection options (add the code suffix from the table below to the end of the catalog numbe Option</li> </ul>					atalog Number	Code Suffix	
	Mini-connector   Single-pole (5-pin mini-cc					SMS5D5CY1602	C	
				Two-pole (9-pin mini-connector)		SMS9D9CY1602	с С	
				12 ft cable length (standard)			-	

20 ft cable length (standard)

Other lengths (special order)

<sup>(2)</sup> For operating head specifications, see Page V8-T2-72.

<sup>③</sup> 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.

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Length in ft

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