E50 Heavy-Duty Factory Sealed 6P+ Switches

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/Vdc 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)



Safety Note

Unless otherwise noted, the products contained in this document are not designed or intended for use in human safety applications.

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**.

Product Selection

Assembled Switches—Standard

Connection is by 8 ft cable ^①.

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

		-A			à	>			
		Single-Pole	150	News	Two-Pole	150	Maar		
Lever sold separately	Indicating Light:	None	LED (24–120 Vac/Vdc)	Neon (120 Vac)	None	LED (24–120 Vac/Vdc)	Neon (120 Vac)		
	Switch Body:	E50SA6P 1NO-1NC	E50SAL6P 1NO-1NC	E50SAN6P 1NO-1NC	E50SB6P 2NO-2NC	E50SBL6P 2NO-2NC	E50SBN6P 2NO-2NC		
Operating Head Type ^②	Description	Assembled Switch Catalog Number			Assembled Swite Catalog Number	ch			
Side Rotary	Side Rotary (requi	res an operating lever, se	e section 46.8)						
	Standard spring return—E50DR1 ③	E50AR16P C€	E50ALR16P	E50ANR16P	E50BR16P	E50BLR16P	E50BNR16P		
97	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	I							
Spring 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		
1000	Circuit Diagrams, see Page 91.								
	Notes ① Connection ontion	s (add the code suffix fro	m the table below to	the end of the catalog n	umher):				
	Option			and on and or and batalog in		talog Number	Code Suffix		
	Mini-connector @			Single-pole (5-pin mini-	connector) CS	MS5D5CY1602	C		
				Two-pole (9-pin mini-co	nnector) CS	MS9D9CY1602	C		
	Cable connection			12 ft cable length (stand	lard) —		12		

⁽²⁾ For operating head specifications, see Page 86.

③ 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 54, section 54.1.

20 ft cable length (standard)

Other lengths (special order)

20

Length in ft

_

_

Connection is by 8 ft cable ^①.

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Assembled Switch	E50 Heavy-Du	50 Heavy-Duty Factory Sealed 6P+ Switches, Assembled—Standard, continued								
		Single-Pole	Two-Pole	Two-Pole						
Lever sold separately	Indicating Light:	None	LED (24–120 Vac/Vdc)	Neon (120 Vac)	None	LED (24–120 Vac/Vdc)	Neon (120 Vac)			
. ,	Switch Body:	E50SA6P 1NO-1NC	E50SAL6P 1NO-1NC	E50SAN6P 1NO-1NC	E50SB6P 2NO-2NC	E50SBL6P 2NO-2NC	E50SBN6P 2NO-2NC			
Operating Head Type	² Description	Assembled Switch Catalog Number			Assembled Sv Catalog Numb					
Side Push Roller	Side Push Roller									
a de la della de la della de	Spring return— E50DS3 ®	E50AS36P CE	E50ALS36P	E50ANS36P	E50BS36P	E50BLS36P	E50BNS36P			
Side Pushbutton	Side Pushbutton									
50	Maintained— E50DH1	е50АН16Р С Є	E50ALH16P	E50ANH16P	E50BH16P	E50BLH16P	E50BNH16P			
	Top Pushbutton									
Spring Return	Spring return— E50DT1	E50AT16P C E	E50ALT16P	E50ANT16P	E50BT16P	E50BLT16P	E50BNT16P			
Adjustable Spring Return	Adjustable spring return—E50DT2	esoat26p C E	E50ALT26P	E50ANT26P	E50BT26P	E50BLT26P	E50BNT26P			
	Circuit Diagrams Notes © Connection option Option	, see Page 91 . s (add the code suffix frc	om the table below to	the end of the catalog n	,	Catalog Number	Code Suffix			
	Mini-connector ④			Single-pole (5-pin mini-o	connector)	CSMS5D5CY1602	C			
				Two-pole (9-pin mini-co	nnector)	CSMS9D9CY1602	C			
	Cable connection			12 ft cable length (stand	lard)	—	12			
				20 ft cable length (stand	lard)	_	20			

Other lengths (special order)

_

Length in ft

⁽²⁾ For operating head specifications, see **Page 86**.

③ Roller can be converted in the field between horizontal and vertical.

(For a full selection of connector cables, see Tab 54, section 54.1.

Connection is by 8 ft cable ^①.

$ \frac{1}{12} \sum_{i=1}^{2} \sum_{i=1$	Assembled Switch	E50 Heavy-Du	ity Factory Sea	led 6P+ Switch	es, Assembled	—Standard, co	ontinued	
Lever sold separately Indicating Light: None LED (24–120 Vac/Vdc) None LED (24–120 Vac/Vdc) Neon (120 Vac) Switch Body: ESOSAPP IND-INC ESOSAPP ESOSAPP IND-INC ESOSAPP ESOSAPP IND-INC ESOSAPP ESOSBNP ZND-ZNC ESOSBNP ESOSBNP ZND-ZNC ESOSBNP ESOSBNP ZND-ZNC Operating Head Type 'P Pescription Description Assembled Switch Catalog Number Assembled Switch Catalog Number Assembled Switch Catalog Number Assembled Switch Catalog Number Top Push Roller Top Push Roller ESOAT36P ESOBT3 ESOAT36P ESOBT3 ESOAT36P ESOAT36P ESOAT36P ESOBNT36P Spring return- ESOUT3 ESOAT36P ESOBV16P ESOANV16P ESOBW16P ESOBW16P ESOBW16P ESOBW16P ESOBW16P Standard duty ESOUW1 ESOAW16P ESOAW16P ESOAW16P ESOBW16P ESOBW16P ESOBW16P ESOBW26P ESOBW26P<			à					
Lever sold separately Indicating Light: None (24-120 Vac/Vdc) (120 Vac) None (24-120 Vac/Vdc) (120 Vac) Operating Head Type Switch Body: EDOSALSP EDOSALSP <thedosalsp< th=""> EDOSALSP <thedosals< th=""><th></th><th></th><th>Single-Pole</th><th>150</th><th></th><th>Iwo-Pole</th><th>150</th><th></th></thedosals<></thedosalsp<>			Single-Pole	150		Iwo-Pole	150	
Switch Body: INO-INC INO-INC ZNO-ZNC ZNO-ZNC ZNO-ZNC Operating Head Type/s Description Assembled Switch Catalog Number Assembled Switch Catalog Number Catalog Number Catalog Number Top Push Roller Top Push Roller ESOAT36P ESOAT36P ESOAT36P ESOAT36P ESOAT36P ESOAT36P ESOBNT36P ESOBNT36P<	Lever sold separately	Indicating Light:	None			None		
Operating Head Type is Description Catalog Number Catalog Number Top Push Roller Top Push Roller Fop Push Roller E50AT36P E50ALT36P E50ANT36P E50BT36P E50BLT36P E50BNT36P Wobble Head, Spring Return Vobble Head, Spring Return (requires a wobble operator, see section 46.8) E50BW16P		Switch Body:						
Wobble Head, Spring return E50AT36P E50ALT36P E50ANT36P E50BT36P E50BLT36P E50BNT36P Wobble Head, Spring Return Wobble Head, Spring Return (requires a wobble operator, see section 46.8) E50BNV16P E50BNV16P E50BNV16P E50BNV16P E50BNV16P E50BNV16P E50BNV16P E50BNV16P E50BNV16P E50BNV26P E50BNV26P <td< th=""><th>Operating Head Type ^②</th><th>Description</th><th></th><th>I</th><th></th><th></th><th></th><th></th></td<>	Operating Head Type ^②	Description		I				
EDDDT3 C € Wobble Head, Spring Return Wobble Head, Spring Return (requires a wobble operator, see section 46.8) Standard duty— ESDAW16P ESDALW16P ESDAW16P ESDDW1 ESDAW26P ESDALW26P ESDAW26P ESDAW26P Heavy-duty high strength steel—ESDDW2 ESDAW26P ESDALW26P ESDAW26P ESDBW26P ESD	Top Push Roller	Top Push Roller						
Spring Return Standard duty— E50DW1 E50AW16P C € E50AW16P E50AW16P E50BW16P E50BW26P E				E50ALT36P	E50ANT36P	E50BT36P	E50BLT36P	E50BNT36P
Standard duty— ESOAW16P ESOAW16P ESOAW16P ESOBW16P ESOBW26P		Wobble Head, S	pring Return (require	es a wobble operator, s	ee section 46.8)			
high strength steel— E50DW2 € € Circuit Diagrams, see Page 91. Circuit Diagrams, see Page 91. Notes Connection options (add the code suffix from the table below to the end of the catalog number): Catalog Number Code Suffix Option Single-pole (5-pin mini-connector) CSMSSD5CY1602 C Mini-connector ③ Single-pole (9-pin mini-connector) CSMSSD5CY1602 C Double-pole (9-pin mini-connector) CSMSSD9CY1602 C Cable connection 12 ft cable length (standard) — 12 Q0 ft cable length (standard) — 20				E50ALW16P	E50ANW16P	E50BW16P	E50BLW16P	E50BNW16P
Notes © Connection options (add the code suffix from the table below to the end of the catalog number): Catalog Number Code Suffix Option Single-pole (5-pin mini-connector) CSMS5D5CY1602 C Mini-connector (a) Single-pole (9-pin mini-connector) CSMS9D9CY1602 C Cable connection 12 ft cable length (standard) 12 20 ft cable length (standard) 20		high strength		E50ALW26P	E50ANW26P	E50BW26P	E50BLW26P	E50BNW26P
Image: Connection options (add the code suffix from the table below to the end of the catalog number): Catalog Number Code Suffix Option Single-pole (5-pin mini-connector) CSMS5D5CY1602 C Mini-connector ③ Single-pole (9-pin mini-connector) CSMS9D9CY1602 C Cable connection 12 ft cable length (standard) 12 20 ft cable length (standard) 20	and the second second	Circuit Diagrams	s, see Page 91.					
OptionCatalog NumberCode SuffixMini-connector ③Single-pole (5-pin mini-connector)CSMS5D5CY1602CDouble-pole (9-pin mini-connector)CSMS9D9CY1602CCable connection12 ft cable length (standard)—1220 ft cable length (standard)—20			ns ladd the code suffix fr	om the table below to	the end of the catalog nu	imher):		
Mini-connector ® Single-pole (5-pin mini-connector) CSMS5D5CY1602 C Double-pole (9-pin mini-connector) CSMS9D9CY1602 C Cable connection 12 ft cable length (standard) 12 20 ft cable length (standard) 20					and on a of the catalog hu	iniborj.	Catalog Number	Code Suffix
Double-pole (9-pin mini-connector)CSMS9D9CY1602CCable connection12 ft cable length (standard)—1220 ft cable length (standard)—20		-)		Single-pole (5-pin mini-c	:onnector)	-	
20 ft cable length (standard) — 20								
		Cable connection				-	_	12
Other lengths (special order) — Length in ft					20 ft cable length (stand	ard)	_	20
					Other lengths (special or	der)	_	Length in ft

2 For operating head specifications, see Page 86.

③ For a full selection of connector cables, see Tab 54, section 54.1.



E50 Heavy-Duty Factory Sealed 6P+ Switches

Operating Heads

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E50 Heavy-Duty Factory Sealed 6P+ Switches, Operating Heads

		Travel to	Travel to		Force to	Minimum	Operating Temp		
	Description	Operate Contacts	Reset Contacts	Total Travel	Operate Contacts	Return Force	Without Cable	With Pre-wired Cable	Catalog Number
e Rotary	Side Rotary (requires an o	perating lever, se	e section 46.8)						
	Standard spring return ^②	5°	2°	90°	3 in-lbs	4.5 in-oz	10° to 200°F (–12° to 94°C) ③	10° to 200°F (–12° to 94°C) ③	E50DR1
	Low temperature spring return ^②	5°	2°	90°	3 in-lbs	4.5 in-oz	–40° to 175°F (–40° to 79°C)	–31° to 175°F (–34° to 79°C)	E50DR19
	Low force spring return $^{\textcircled{2}}$	15°	6°	90°	1.5 in-Ibs	2.5 in-oz	10° to 200°F (–12° to 94°C) ③	10° to 200°F (–12° to 94°C) ③	E50DL1
	Maintained two-position	50°	50°	90°	3 in-Ibs	_	14° to 200°F (–10° to 94°C)	14° to 200°F (-10° to 94°C)	E50DM1
	Side Pushbutton								
ng Return	Spring return	0.065 in	0.030 in	0.250 in	4 lbs	8 oz	14° to 200°F (10° to 94°C)	14° to 200°F (-10° to 94°C)	E50DS1
stable Spring rn	Adjustable spring return	0.065 in	0.030 in	0.250 in	4 lbs	8 oz	14° to 200°F (–10° to 94°C)	14° to 200°F (–10° to 94°C)	E50DS2
Push Roller	Side Push Roller	0.065 in	0.030 in	0.250 in	4 lbs	8 oz	14° to 200°F (–10° to 94°C)	14° to 200°F (–10° to 94°C)	E50DS3
		0.065 in	0.030 in	0.250 in	4 lbs	8 oz	14° to 200°F (–10° to 94°C)	14° to 200°F (–10° to 94°C)	E50DS4
Pushbutton	 Side Pushbutton								
	Maintained	0.200 in	0.130 in	0.320 in	5 lbs	5 lbs	14° to 200°F (–10° to 94°C)	14° to 200°F (10° to 94°C)	E50DH1
	Top Pushbutton								
g Return	Spring return	0.040 in	0.020 in	0.280 in	4 lbs	8 oz	14° to 250°F (–10° to 121°C)	14° to 221°F (–10° to 105°C)	E50DT1
	<u></u>								
stable Spring rn	Adjustable spring return	0.040 in	0.020 in	0.280 in	4 lbs	8 oz	14° to 250°F (–10° to 121°C)	14° to 221°F (–10° to 105°C)	E50DT2
	Notes								

 $^{\odot}$ $\,$ Temperature ranges below 32°F (0°C) are based on absence of freezing moisture or water.

⁽²⁾ CW (clockwise) and CCW (counterclockwise) operation, easily convertible to CW only or CCW only operation.

③ For CW and CCW operation. For CW only or CCW only operation, high temperature limit increases to 250°F (121°C) without cable, and 221°F (105°C) with pre-wired cable.

③ Roller can be converted in the field between horizontal and vertical.

⁽⁶⁾ Roller shaft is 0.38 in (9.5 mm) longer on E50DS4, see Dimensions on Page 92.

Operating Temperature 1

Without Cable

14° to 250°F

With

Pre-Wired Cable

14° to 221°F

E50 Heavy-Duty Factory Sealed 6P+ Switches

Minimum

Return

Force

8 oz

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Catalog

Number

E50DT3

E50 Heavy-Duty Factory Sealed 6P+ Switches, Operating Heads, continued

Total

Travel

0.280 in

Travel to

Contacts

0.020 in

Reset

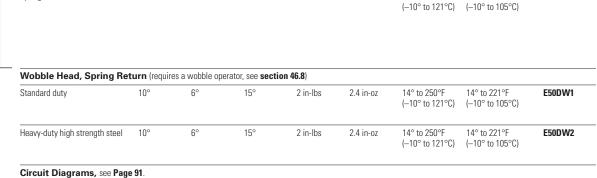
Wobble Head, Spring Return	

Top Push Roller

Description

Spring return

Top Push Roller



Force to

Operate

Contacts

4 lbs

Switch Bodies

E50 Heavy-Duty Factory Sealed 6P+, Switch Bodies

Travel to

Operate

Contacts

0.040 in

	Circuit	Switch Body Construction	Cable Length	Catalog Number
re-Wired Cable	Pre-Wired Cable			
	Single-pole 1NO-1NC	Without indicating light	8 ft	E50SA6P
			12 ft	E50SA6P12
			20 ft	E50SA6P20
		With LED indicating light 24 –120 Vac/Vdc	8 ft	E50SAL6P
			12 ft	E50SAL6P12
			20 ft	E50SAL6P20
		With neon indicating light 120 Vac	8 ft	E50SAN6P
			12 ft	E50SAN6P12
			20 ft	E50SAN6P20
	Two-pole 2NO-2NC	Without indicating light	8 ft	E50SB6P
			12 ft	E50SB6P12
			20 ft	E50SB6P20
		With LED indicating light 24–120 Vac/Vdc	8 ft	E50SBL6P
			12 ft	E50SBL6P12
		With neon indicating light 120 Vac	8 ft	E50SBN6P
			12 ft	E50SBN6P12
			20 ft	E50SBN6P20
ini-Connector	Mini-Connector			
CH-A	Single-pole 1NO-1NC	Without indicating light normal wiring	_	E50SA6PC 🕄
		Without indicating light alternate wiring	_	E50SA6PC-W 🕄
100		With LED indicating light 24–120 Vac/Vdc	_	E50SAL6PC 🕄
		With neon indicating light 120 Vac	_	E50SAN6PC 🕄
	Two-pole 2NO-2NC	Without indicating light	_	E50SB6PC 🛞
-		With LED indicating light 24–120 Vac/Vdc	_	E50SBL6PC 🛞
-		With neon indicating light 120 Vac	_	E50SBN6PC 🛞

Notes

See listing of compatible connector cables on Page 88.

① Temperature ranges below 32°F (0°C) are based on absence of freezing moisture or water.

Compatible Connector Cables

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	Standard C	tandard Cables ^①							
	Current Rating at 600V	Voltage Style	Number of Pins	Gauge	Length	Pin Configuration/Wire Colors (Face View Female Shown)	Catalog Number		
Mini-Style,	Mini-Style, St	traight Femal	е						
Straight Female	8A	_	5-pin	16 AWG	6 ft (2m)		CSMS5D5CY1602		
	7A	_	9-pin	16 AWG	12 ft (4m)	1-Orange 2-Blue 3-Red/Black 4-Green/Black 5-White 6-Red 7-Green 8-White/Black 9-Black 9-Black	CSMS9D9CY1602		

Accessories

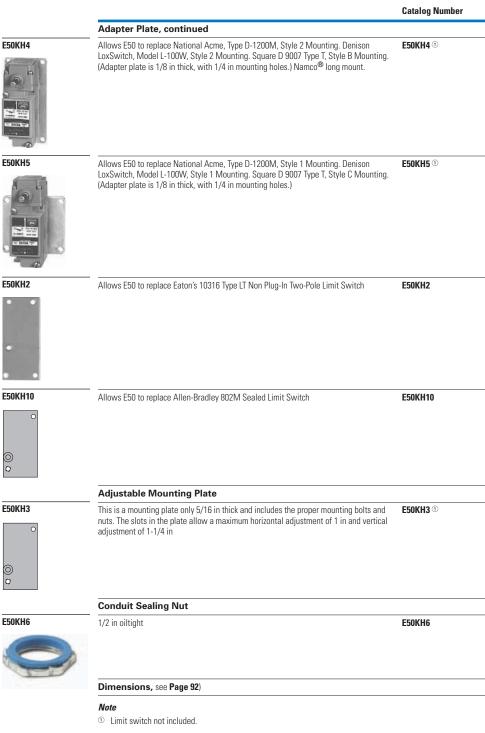
	E50 Heavy-Duty Factory Sealed 6P+ Switch Accessories	5
		Catalog Number
E50KH1M	Adapter Plate	
	Allows E50 to replace Eaton's 10316 Type LP Manifold Mounting Plug-In Limit Switch	E50KH1M
E50KH7	Allows E50 to replace Square D Type AW Surface Mounting Non Plug-In Standard Box Limit Switch	E50KH7

Dimensions, see Page 92.

Note

^① For a full selection of connector cables, see **Tab 54**, **section 54.1**.

E50 Heavy-Duty Factory Sealed 6P+ Switch Accessories, continued



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Technical Data and Specifications

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E50 Heavy-Duty Factory Sealed 6P+ Switches

Description	Specification				
Environmental ratings	NEMA 1, 3, 3S, 4, 4X, 6, 6P, 13, IP67, IP69K				
Material of construction	Zinc die cast				
Switch gasket material	Viton®				
Universal U.S./DIN mounting dimensions	1.16 in (30 mm) x 2.34 in (60 mm)				
Conduit entrance	1/2 in NPT or 20 mm threading				
Contact ratings	See below				
Contact operation	Snap action over center mechanism				
Contact material	Fine silver				
Maximum frequency of operation	8000 operations per hour				
Mechanical life					
Side rotary	13,000,000 operations minimum				
Side or top push	10,000,000 operations minimum				
Electrical life					
Single-pole	1,000,000 operations typical at full load				
Double-pole	100,000 operations typical at full load				
Ambient temperature range—standard					
Standard without cable	14° to 250°F (10° to 121°C)				
Standard with cable	14° to 221°F (-10° to 105°C)				
Low temperature without cable	-40° to 250°F (-40° to 121°C)				
Low temperature with cable	-40° to 221°F (-40° to 105°C)				
Repeat accuracy—standard					
Side operated	Within 0.0012 in				
Top operated	Within 0.0003 in				
Side rotary	Within 0.0014 in				
Torque requirements					
Operating head screws	14–18 lb-in				

Electrical Data—Maximum Contact Ratings (Same polarity each pole)

	Current, A	Imperes		Voltampe	res	-	Current, Amperes	
AC Volts	Make	Break	Cont. 1	Make	Break	DC Volts	Max. Make or Break	Cont. 1
All Switch	es Except Gi	ravity Return	and Indicatin	ng Light Ver	sions			
NEMA A600 F	EMA A600 Rating							
120	60	6	10	7200	720	125	0.22	1.0
240	30	3	10	7200	720	250	0.11	1.0
480	15	1.5	10	7200	720	250	0.11	1.0
600	12	1.2	10	7200	720	250	0.11	1.0
Switches v	with Indicati	ng Lights (LE	D or Neon)					
NEMA A150 F	Rating					NEMA R150		
120	60	6	10	7200	720	125	0.22	1.0

Note

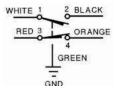
① Thermal rating. Valid only if switch does not have to make or break.

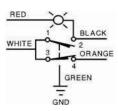
E50 Heavy-Duty Factory Sealed 6P+ Switches

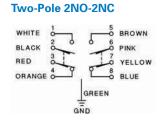
Circuit Diagrams 1

Standard Assembled Switches

Single-Pole 1NO-1NC







WHITE BLACK RED ORANGE

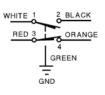
46 /

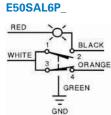
Must be same polarity.

Switch Bodies

Pre-Wired Cable— Single-Pole 1NO-1NC

E50SA6P

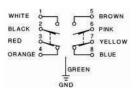




Pre-Wired Cable— Two-Pole 2NO-2NC

Same polarity, each pole.

E50SB6P



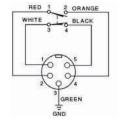


Wiring Diagrams 1

Mini-Connector—Single-Pole 1NO-1NC

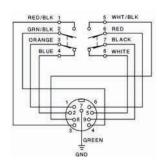
E50SA6PC

E50SA6PC-W



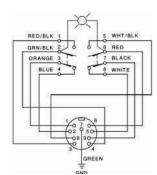
Mini-Connector—Two-Pole 2NO-2NC

E50SB6PC



E50SBL6PC/E50SBN6PC

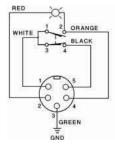
GREEN



Note

① The wire colors referenced on these diagrams are those internal to the switch itself.

E50SAL6PC/E50SAN6PC



E50 Heavy-Duty Factory Sealed 6P+ Switches

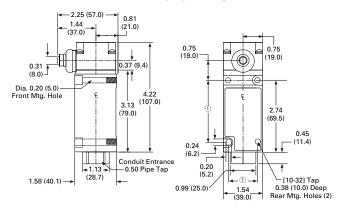
Dimensions

46.7

Approximate Dimensions in Inches (mm)

46 Standard

6P+ Limit Switch with Rotary Operating Head



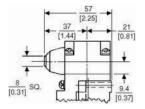
Side Push Operators

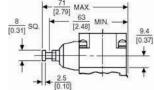
Approximate Dimensions in mm [in]

Pushbutton

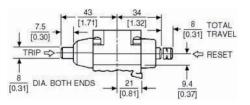
Adjustable Pushbutton

Roller



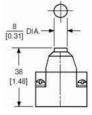




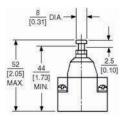


Top Push Operators

Pushbutton



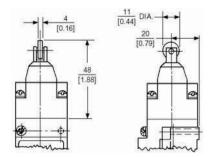
Adjustable Pushbutton



Wobble Operators

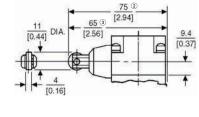
See Operators, section 46.8.

Roller



Notes

- ① Can accommodate both U.S., 1.16 (29.4) x 2.34 (59.5) and DIN, 1.18 (30.0) x 3.26 (60.0), mounting dimensions.
- ② For E50DS4.
- ③ For E50DS3.





Accessories

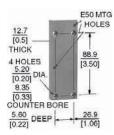
Approximate Dimensions in mm [in]

Adapter Plates

E50KH1M



E50KH7



E50KH4



E50KH5

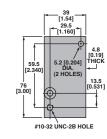




35.8

E50KH2





E50KH10

Adjustable Mounting Plate

E50KH3

