194LA121752

Allen-Bradley 194L Cam Switch 2Pole 12A Base Mount 90 Degree Off On



Component type	Off-load switch
Range	194L
Model	N/A
Product status	Existing

The Allen-Bradley 194L range of rotary cam switches are designed for use in control and load switching based applications rated from 12A to 40A. Modular in design and available with a range of frame sizes, faceplate and switch body designs for various switching configurations. Optional accessories include shaft extensions and enclosures for various applications.

ELECTRICAL

Number of poles	2
Rated uninterrupted current Iu	12 A
Rated operation power at AC-3, 400 V	2.2 kW
Rated operation current Ie at AC-15, 230 V	5 A
Rated operation current Ie at AC-15, 400 V	3 A
Rated operation current Ie at AC-22a, 690 V	12 A
Rated operation current Ie at AC-22a, 220-500 V	12 A
Rated operation current Ie at AC-21a, 690V	12 A
Rated operation current Ie at AC-1, 690V	12 A
Ithe, thermal current (enclosed)	12 A
Ith, thermal current (open)	16 A
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Type of electrical connection of main circuit	Screw connection

CONSTRUCTION

Model	On/Off switch
Mounting method	DIN rail
Material housing	Plastic
Wire/conductor size, rigid cable	1-2.5 mm²
Wire/conductor size, flex cable	1-2.5 mm²
Degree of protection (IP), front side	IP20
Suitable for front mounting	No
Suitable for distribution board installation	No
Complete device in housing	No

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MECHANICAL	With zero (off) position	Yes
	Mechanical life (service cycles)	1000000 cycles
	Number of switch positions	2
	With retraction in 0-position	No
DIMENSIONS	Depth	58 mm
	Height	59 mm
ENVIRONMENT	Operating temperature	-25…60 °C

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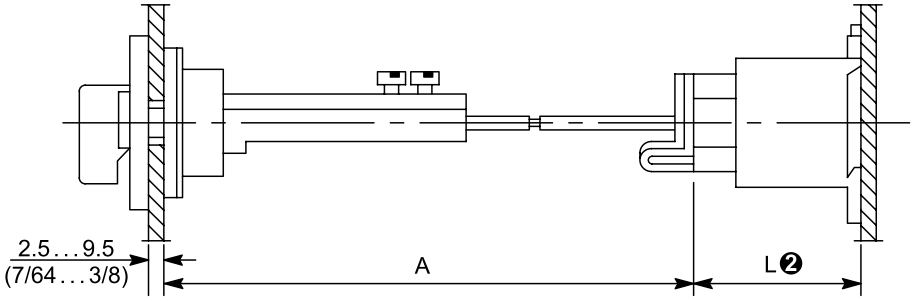
DIMENSIONAL DIAGRAM



Cat. No.	A
194L-G3393…	110 (4-21/64)…235(9-1/4)
194L-G3394…	230 (9-1/16)…350 (13-25/32)

Cat. No.	L ❶ No. of Contacts			
	1 – 2	3 – 4	5 – 6	7 – 8
194L-A12/16...	54 (2-1/8)	64 (2-33/64)	74 (2-29/32)	84 (3-5/16)
194L-A20/25...	55 (2-11/64)	67.5 (2-21/32)	80 (3-5/32)	92.5 (3-41/64)

Modular Shaft Extensions (Cat. No. 194L-G2853)

Note: Select No. of Extension Modules and Shaft for use with enclosures.

No. of Extension Modules	Required End Shaft	Enclosure Mounting Depth ❸	
		Cat. No. 194L-A12/16…	Cat. No. 194L-A20/25…
0	44 (1-47/64) ❹	71.5…77.5 (2-13/16…3-1/16)	75…80.5 (2-61/64…3-11/64)
	52 (2-3/64)	77…87 (3-1/32…3-27/64)	80…90 (3-5/32…3-35/64)
	57 (2-1/4)	82…92 (3-15/64…3-5/8)	85…95 (3-11/32…3-3/4)
1	44 (1-47/64) ❹	95.5…101.5 (3-49/64…4)	99…105 (3-29/32…4-9/64)
	52 (2-3/64)	97.5…111 (3-27/32…4-3/8)	101…114.5 (3-63/64…4-33/64)
	57 (2-1/4)	102.5…116 (4-3/64…4-37/64)	106…119.5 (4-11/64…4-45/64)
2	44 (1-47/64) ❹	119.5…125.5 (4-45/64…4-61/64)	123…129 (4-27/32…5-5/64)
	52 (2-3/64)	121.5…135 (4-51/64…5-5/16)	125…138.5 (4-59/64…5-29/64)
	57 (2-1/4)	126.5…140 (4-63/64…5-33/64)	130…143.5 (5-1/8…5-21/32)
3	44 (1-47/64) ❹	143.5…149.5 (5-21/32…5-57/64)	147…153 (5-51/64…6-1/32)
	52 (2-3/64)	145.5…159 (5-47/64…6-17/64)	149…162.5 (5-7/8…6-13/32)
	57 (2-1/4)	150.5…164 (5-15/16…6-15/32)	154…167.5 (6-1/16…6-19/32)
4	44 (1-47/64) ❹	167.5…173.5 (6-19/32…6-27/32)	171…177 (6-47/64…6-31/32)
	52 (2-3/64)	169.5…183 (6-43/64…7-13/64)	173…186.5 (6-13/16…7-11/32)
	57 (2-1/4)	174.5…188 (6-7/8…7-13/32)	178…191.5 (7-1/64…7-35/64)
5	44 (1-47/64) ❹	191.5…197.5 (7-35/64…7-25/32)	195…201 (7-43/64…7-59/64)
	52 (2-3/64)	193.5…207 (7-5/8…8-5/32)	197…210.5 (7-49/64…8-19/64)
	57 (2-1/4)	198.5…212 (7-53/64…8-23/64)	202…215.5 (7-61/64…8-31/64)
6	44 (1-47/64) ❹	215.5…221.5 (8-31/64…8-23/32)	219…225 (8-5/8…8-55/64)
	52 (2-3/64)	217.5…231 (8-37/64…9-3/32)	221…234.5 (8-45/64…9-15/64)
	57 (2-1/4)	222.5…236 (8-49/64…9-19/64)	226…239.5 (8-29/32…9-7/16)

❶ When more than 4 modules are used, attach the first one to the switch body using the screws supplied with the extension **(Cat. No. 194L-G2853).**

❷ With DIN 46 277 (35) Rail + 2.5 mm (7/64)

❸ For DIN Rail-mounted devices, remember to deduct the offset distance provided by the rail. For example, deduct 2.5mm (7/64 in.) from the mounting depth for Bulletin 194L switch body mounted on DIN 46277 rail.

❹ One 44mm (1-47/64 in.) end shaft is supplied with all Bulletin 194L Switch Bodies.