

Specifications

Fused Disconnect Switches for UL Class Fuses and CSA HRCI-J

Electrical Ratings						
Cat. No.		194R-C30-1753	194R-J30-1753	194R-J60-1753		
CSA Fuse Type/UL Fuse Type		Class CC/HRCI-MISC ‡	Class J/HRCI-J	Class J/HRCI-J		
Maximum Fuse Cartridge Size	[A]	30	30	60		
Maximum Voltage	AC [V] DC [V]	600 250	600 250	600 250		
Ampere Rating	[A]	30	30	60		
Maximum Short Circuit Prospective Fault Current	[kA]	200	200	200		
Fuse Operating Characteristics		Time Delay	Non-Time Delay	Time Delay	Non-Time Delay	
Maximum Hp, 3-Phase AC						
200V, 60 Hz	[Hp]	5	3	7.5	3	15
240V, 60 Hz	[Hp]	5	3	7.5	3	15
480V, 60 Hz	[Hp]	10	5	15	5	30
600V, 60 Hz	[Hp]	10	7.5	20	7.5	50
Maximum Hp, 1-Phase AC						
120V, 60 Hz	[Hp]	0.75	0.5	2	0.5	3
240V, 60 Hz	[Hp]	2	1.5	3	1.5	10
Maximum Hp, DC						
125V DC	[Hp]	2	3	3	2	5
250V DC	[Hp]	3	5	5	5	10

‡ Based on Rockwell Automation tests in accordance with the requirements as defined in CSA C22.2 No. 4, IEC 60947-3 and UL 98.

Electrical Ratings					
Cat. No.		194R-J100-1753	194R-J200-1753	194R-J400-1753	194R-J600-1753
CSA Fuse Type/UL Fuse Type		Class J/HRCI-J	Class J/HRCI-J	Class J/HRCI-J	Class J/HRCI-J
Maximum Fuse Cartridge Size	[A]	100	200	400	600
Maximum Voltage	AC [V] DC [V]	600 250§	800 250§	600 250§	600 250§
Ampere Rating	[A]	100	200	400	600
Maximum Short Circuit Prospective Fault Current	[kA]	200	200	200	200

§ 3 poles in series

Mechanical Data		
Cat. No.	194R-C30-1753, 194R-J30-1753	194R-J60-1753
Degree of Protection (per IEC 60947-3)		
Switch Only	IP20	IP20
Switch with Terminal Shield & Fuse Carriers	IP20	IP20
Mechanical Endurance§	Operations	10 000
Operating Torque (Maximum)	N•m lb•in	3.5 35
Terminal Capacity	mm ² AWG	2.5...10 #14...#8
Power Terminals		2.5...25 #14...#4
Auxiliary Contact Terminals	mm ² AWG	2.5...4 #14...#12
Maximum Number of Auxiliary Circuits		6
Approximate Weight	kg lbs	0.92 2.03
Minimum Enclosure Size		1.32 2.9
Approximate dimensions in millimeters (inches)	Height Width Depth	248 (9-3/4) 171 (6-3/4) 148 (5-13/16)
Switch Dimension Reference (See dimension drawings.)		A1
		B1

§ Based on Rockwell Automation tests in accordance with the requirements as defined in CSA C22.2 No. 4, IEC 60947-3 and UL 98.

Mechanical Data						
Cat. No.		194R-J100-1753	194R-J200-1753	194R-J400-1753	194R-J600-1753	194R-J800-1753
Degree of Protection (per IEC 60947-3) Switch Only Switch with Terminal Shield & Fuse Carriers		IP20 IP20	IP20 IP20	IP20 IP20	IP20 IP20	IP20 IP20
Mechanical Endurance §	Operations	10 000	8 000	6 000	5 000	5 000
Operating Torque (Maximum)	N•m lb•in					
Terminal Capacity Power Terminals	mm ² AWG	#1	300 MCM #6	600 MCM; 2 x 300 MCM #2 or 2 x #6	2 x 600 MCM 2 x #2	2 x 600 MCM 2 x #2
Auxiliary Contact Terminals	mm ² AWG	2.5...4 #14...#12	2.5...4 #14...#12	2.5...4 #14...#12	2.5...4 #14...#12	2.5...4 #14...#12
Maximum Number of Auxiliary Circuits		4	8	8	8	8
Approximate Weight	kg lbs	2.4 5.3	3.6 7.9	4.85 10.7	20 44	20 44
Minimum Enclosure Size Approximate dimensions in millimeters (inches)	Height Width Depth	—	—	—	—	—
Switch Dimension Reference (See dimension drawings.)		F5	F6	F7	F8	F8

§ Based on Rockwell Automation tests in accordance with the requirements as defined in CSA C22.2 No. 4, IEC 60947-3 and UL 98.

Non-Fused Disconnect Switches for CSA and UL Class Applications*

Electrical Ratings								
Cat. No.			194R-N30-1753		194R-N60-1753		194R-NU100-1753, 194R-NU100-1754	194R-NU200-1753, 194R-NU200-1754
Maximum Voltage	AC	[V]	600		600		600	600
	DC	[V]	250		250		250	250
Ampere Rating		[A]	30Δ		60Δ		100	200
Maximum Short Circuit Prospective Fault Current		[kA]	200		200		200	200
Maximum Hp, 3-Phase AC	200V, 60 Hz	[Hp]	7.5	3	15	7.5	—	—
	240V, 60 Hz	[Hp]	7.5	3	15	7.5		
	480V, 60 Hz	[Hp]	15	5	30	15		
	600V, 60 Hz	[Hp]	20	7.5	50	15		
Maximum Hp, 1-Phase AC	120V, 60 Hz	[Hp]	2	0.5	3	1.5	—	—
	240V, 60 Hz	[Hp]	3	1.5	10	3		
Maximum Hp, DC	125V DC	[Hp]	3	2	5	5	—	—
	250V DC	[Hp]	5	5	10	10		
Power Lost		[W]	2		6		—	—

* Non-fused disconnect switches must be used with separately installed fuses.

Electrical Ratings								
Cat. No.			194R-NU400-1753, 194R-NU400-1754		194R-NU600-1753, 194R-NU600-1754		194R-NU800-1753, 194R-NU800-1754	194R-NU1200-1753, 194R-NU1200-1754
Maximum Voltage	AC	[V]	600		600		600	600
	DC	[V]	250		250		250	250
Ampere Rating		[A]	400		600		800	1200
Fuse Type			J		J		L	L
Maximum Short Circuit Prospective Fault Current		[kA]	200		200		100	100

* Non-fused disconnect switches must be used with separately installed fuses.