

Standards Compliance and Certifications—Bulletin 194R-C, J, H, B, D, F, L, N, NU

Standards Compliance	Certifications
UL 98	CE Marked
UL 508	CSA Certified (File No. LR1234)
CSA C22.2, No. 14	UL Listed (File No. E 14841, Guide NLRV; File No. E 47426, Guide WHTY)
IEC/EN 60947-3 Low Voltage Switchgear and Controlgear part 3	
BS EN60947-3	
VDE 0660	
NEMA KS-1	

Standards Compliance and Certifications—Bulletin 194R-NE

Standards Compliance	Certifications
IEC/EN 60947-3 Low Voltage Switchgear and Controlgear part 3	CE Marked

Product Overview

The Bulletin 194R line of fused and non-fused rotary disconnect switches provides the flexibility to meet worldwide applications. The disconnect switches are UL Listed and CSA Certified and are designed to meet IEC 60947-3, VDE, DIN, BS, and applicable NEMA requirements.

Features

- 20 A...1250 A Sizes
- Fused switch versions:
 - BS88 -DIN
 - CSA HRCII-C - CSA HRCI-MISC - HRC-L
 - UL Class J- UL Class CC - UL Class L
 - NFC
- IP66 (Type 3R, 3, 12, 4, 4X) operating handle ingress ratings
- Handle with or without test mode
- Padlockable handle for up to three padlocks
- 6 auxiliary contacts can be added
- Suitable as service entrance disconnecting means (UL 98)
- Suitable as at-motor disconnecting means (UL 508)

Table 3 - Mechanical Data, 30 A and 60 A Devices

Cat. No.		194R-J30-1753	194R-J60-1753
Degree of Protection (per IEC 60947-3), Switch Only		IP20	IP20
Degree of Protection (per IEC 60947-3), Switch with Terminal Shield and Fuse Carriers		IP20	IP20
Mechanical Endurance ⁽¹⁾	[Operations]	10 000	10 000
Operating Torque (Maximum)	[N•m]	3.5	3.5
	[Lb•in]	35	35
Terminal Capacity, Power Terminals	[mm ²]	2.5...10	2.5...25
	[AWG]	#14...#8	#14...#4
Terminal Capacity, Auxiliary Contact Terminals	[mm ²]	2.5...4	2.5...4
	[AWG]	#14...#12	#14...#12
Maximum Number of Auxiliary Circuits		6	6
Approximate Weight	[kg]	0.92	1.32
	[lbs]	2.03	2.9
Minimum Enclosure Size	Height [mm (in.)]	248 (9-3/4)	248 (9-3/4)
	Width [mm (in.)]	171 (6-3/4)	197 (7-3/4)
	Depth [mm (in.)]	148 (5-13/16)	148 (5-13/16)
Switch Dimension Reference (See dimension drawings.)		A1	B1

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

Table 4 - Mechanical Data, 100 ... 800 A Devices

Cat. No.		194R-J100-1753	194R-J200-1753	194R-J400-1753	194R-J600-1753	194R-L800-1753
Degree of Protection (per IEC 60947-3), Switch Only		IP20 ⁽²⁾	IP20	IP20	IP20	IP20
Degree of Protection (per IEC 60947-3), Switch with Terminal Shield and Fuse Carriers		IP20	IP20	IP20	IP20	IP20
Mechanical Endurance ⁽¹⁾	Operations	10 000	8 000	6 000	5 000	5 000
Operating Torque (Maximum)	[N•m]					
	[Lb•in]					
Terminal Capacity, Power Terminals	[mm ²]		300 MCM	600 MCM; 2 x 300 MCM	2 x 600 MCM	2 x 600 MCM
	[AWG]	#12...#10 Solid Cu #12...#1 stranded	#6	#2 or 2 x #6	2 x #2	2 x #2
Terminal Capacity, Auxiliary Contact Terminals	[mm ²]	2.5...4	2.5...4	2.5...4	2.5...4	2.5...4
	[AWG]	#14...#12	#14...#12	#14...#12	#14...#12	#14...#12
Maximum Number of Auxiliary Circuits		4	8	8	8	8
Approximate Weight	[kg]	2.4	3.6	4.85	20	20
	[lbs]	5.3	7.9	10.7	44	44
Minimum Enclosure Size	Height [mm (in.)]	406 (16)	610 (24)	1000 (39.4)	1219 (48)	1219 (48)
	Width [mm (in.)]	610 (24)	508 (20)	800 (31.5)	914.5 (36)	914.5 (36)
	Depth [mm (in.)]	152 (6)	152 (6)	200 (11.8)	305 (12)	305 (12)
Switch Dimension Reference (See dimension drawings.)		F5	F6	F7	F8	F8

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

(2) Front-mounted devices only.