

Bulletin 194R Next Generation 30 A/60 A Rotary Disconnects

Features and Benefits

Continued Reliable Contact Design Providing Dependable Motor Switching and Isolation

- 200 kA UL 98 short circuit current rating; 100 kA IEC rating
- Bulletin 194R knifeblade contact design adds reliability, isolation, and superior current breaking capacity
- Uses existing, proven 194R external handles and shafts
- Meets UL98 disconnect requirements and UL508 manual motor controller requirements

Fast, Safe Installation and Wiring

- IP20 finger-safe wiring terminals
- Optional wiring terminal covers available
- Switch is DIN Rail mountable and is compatible with mounting holes of Bulletin 194R legacy switches
- Complete range of handles and accessories available

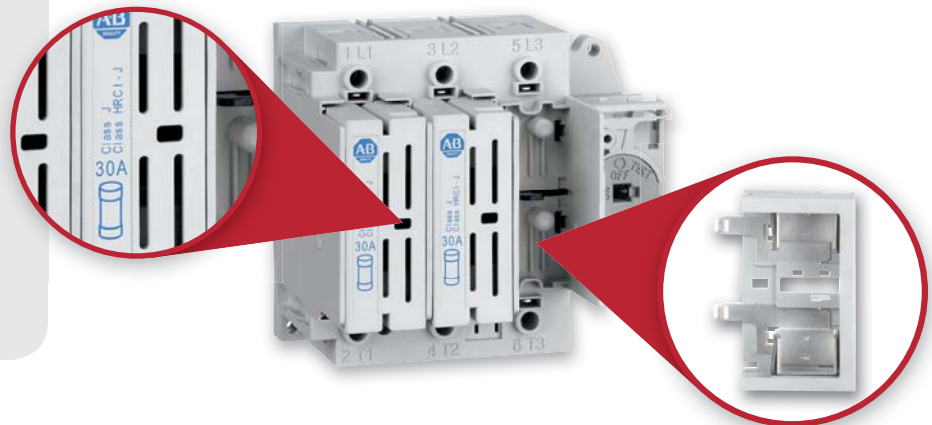


Rockwell Automation introduces the new Allen-Bradley® Bulletin 194R Next Generation line of Rotary Disconnects. Designed for use in a broad range of demanding applications, the Bulletin 194R Rotary Disconnects incorporates enhanced safety features, modular design, and continued reliability. By utilizing the Bulletin 194R Next Generation 30 A and 60 A disconnect solutions, customers benefit from increased workplace safety, ease of installation, and superior performance.

- Modular internal handle (optional accessory) for test mode use and UL 508A and NFPA 79 compliance
- Removable fuse carriers provide dead-front switch during fuse change-out
- Test mode auxiliary contacts provide test capability of control circuit without energizing the main contacts
- Fuse carriers with blown fuse indicators available
- IP20 finger-safe wiring terminals and IP30 fuse carriers

Modular Parts for Variety of Options and Fast Installation

- Fully rated fusible 4-pole module for field assembly
- Quick top-mounting of padlock accessory for lock-out/tag-out at the disconnect switch
- Snap-on 800F auxiliary contacts configurable to 6 circuits
- Modular global fuse carriers – Class J, Class CC, HRCI-J, HRCII-C, BS88, DIN, NFC



LISTEN.
THINK.
SOLVE.®

Features and Benefits (cont.)

NFPA 79 Internal Handle

- Operate the disconnect switch without the use of accessory tools or devices (independent of door position)
- Patented interlock requires deliberate action to operate switch (while enclosure door is open)
- Integrated handle with tube shaft guard is compact and easily installed
- Operates with current Bulletin 194R handles and new internal padlock accessory

Test Position Auxiliary Contact Control

- Three test position auxiliary contacts for control circuit testing without energizing load
- Uses Bulletin 800F contact blocks, which reduces inventory

Auxiliary Contact Control

- Three additional 800F Auxiliary Contact Circuits available for expanded signal control
- Standard contact block functions:
 - N.O. early make
 - N.C. early break

Double Knifeblade Contact Design

- Provides reliability and isolation
- Silver-plated contacts optimize current conduction
- Proven knifeblade design technology provides greater breaking capacity versus competitive butt-spanner type contacts

When My Application Requires:

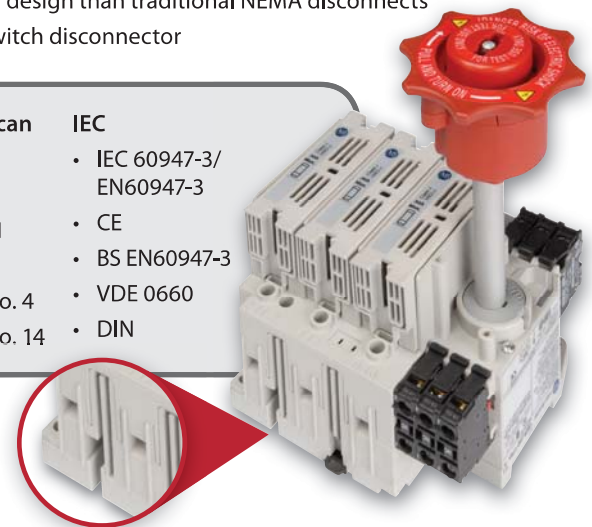
- UL 98 main panel disconnecting means
- UL 98 service entrance disconnecting means
- 30/60 A UL 508 at-motor disconnecting means
- NEMA KS-1 rated disconnecting means but in a smaller, more modular design than traditional NEMA disconnects
- IEC 60947-3 switch disconnecter

North American

- UL 98
- UL 508
- NEMA KS -1
- NFPA 79
- CSA 22.2 No. 4
- CSA 22.2 No. 14

IEC

- IEC 60947-3/EN60947-3
- CE
- BS EN60947-3
- VDE 0660
- DIN



Bulletin 194R Next Generation Catalog Number Explanation

30 A and 60 A Global Disconnects

194R - - - - 1753 - - - -

a *b* *c* *d* *e* *f* *g*

a

Code	Open or Enclosed
—	Kitted
K	Thermo-Plastic 4/4/X
F	Painted Metal 3/4/12
C	Stainless Steel 4/4X

b

Code	Fuse Type
C	UL Class CC, CSA type HRCIMISC
J	YUL Class J, CSA type HRCI-J
H	CSA type HRCI-C
B	BS88
D	DIN
F	NFC
N	Non-Fused

c

Code	Switch Ampere Size
20	20 A
25	25 A
30	30 A
32	32 A
60	60 A
63	63 A

d

Code	Fuse Indication
—	No status indication
S	Fuse status indication (not valid for non-fused)

e

Code	External Handle
PY	Std/Pistol Red/Yellow handle 4/4X IP66 (HS4E)
PB	Std/Pistol Black handle 4/4X IP66 (HS4)
TY	Test mode Red/Yellow handle 4/4X IP66 HST4E
TB	Test mode black handle 4/4X IP66 (HST4)
LY	Ext length Red/Yellow handle 4/4X IP66 (HS4EL)
LB	Ext length black handle 4/4X IP66 (HS4L)

f

Code	External Handle
—	Standard Shaft
R1	R1 Shaft (12")
R2	R2 Shaft (21")
N1	NFPA79 Handle with R1 Shaft (12") Guard Tube
N2	NFPA79 Handle with R2 Shaft (21") & Guard Tube

g

Code	Other Accessories
Blank	No accessory
P	Padlock Attachment

Bulletin 194R

Next Generation 30 A/60 A Rotary Disconnects

Legacy Catalog Number	Description	Equivalent Next Gen Catalog #(s)	Note
30 A Open and Kitted Switches			
194R-NA100P3	20 A BS88-Fuse Switch	194R-B20-1753	-
194R-NA200P3	32 A BS88/HRCII-C-Fuse Switch	194R-B32-1753 or 194R-H30-1753	B32 for BS88-fuse, H30 for HRCII-C fuse
194R-NC030P3	30 A CC-Fuse Switch	194R-C30-1753	-
194R-NC030P34R1	30 A CC-Fuse Handle/Shaft Kit	194R-C30-1753-PBR1	10" Ig shaft and Black Handle
194R-NC030P34ER1	30 A CC-Fuse Handle/Shaft Kit	194R-C30-1753-PYR1	10" Ig shaft and Red/Yellow Handle
194R-NJ030P3	30 A J-Fuse Switch	194R-J30-1753	-
194R-NJ030P34R1	30 A J-Fuse Handle/Shaft Kit	194R-J30-1753-PBR1	-
194R-NJ030P34ER1	30 A J-Fused Handle/Shaft Kit	194R-J30-1753-PYR1	-
194R-NN030P3	30 A Non-Fused Switch	194R-N30-1753	-
194R-NN030P34R1	30 A Non-Fused Handle/Shaft Kit	194R-N30-1753-PBR1	-
194R-NN030P34ER1	30 A Non-Fused Handle/Shaft Kit	194R-N30-1753-PYR1	-
30 A Enclosed Switches			
194R-KN030P3	30 A Non-Fused Enclosed Switch	194R-KN30-1753-PB	Thermo-Plastic Enc, non-fused 30A sw, Black Handle
194R-CN030P3	30 A Non-Fused Enclosed Switch	194R-CN30-1753-PB	Stainless Steel Enc, non-fused 30A, Black Handle
194R-CN030P3E	30 A Non-Fused Enclosed Switch	194R-CN30-1753-PY	Stainless Steel Enc, non-fused 30A, Red/Yellow Handle
194R-FN030P3	30 A Non-Fused Enclosed Switch	194R-FN30-1753-PB	Painted Metal Enc, non-fused 30A, Black Handle
194R-KC030P3E	30 A CC-Fused Enclosed Switch	194R-KC30-1753-PY	Thermo-Plastic Enc, CC-fused 30A sw, Red/Yellow Handle
194R-CC030P3E	30 A CC-Fused Enclosed Switch	194R-CC30-1753-PY	Stainless Steel Enc, CC-fused 30A, Red/Yellow Handle
194R-KJ030P3	30 A J-Fused Enclosed Switch	194R-KJ30-1753-PB	Thermo-Plastic Enc, J-fused 30A sw, Black Handle
194R-CJ030P3	30 A J-Fused Enclosed Switch	194R-CJ30-1753-PB	Stainless Steel Enc, J-fused 30A, Black Handle
194R-FJ030P3	30 A J-Fused Enclosed Switch	194R-FJ30-1753-PB	Painted Metal Enc, J-fused 30A, Black Handle
60 A Open and Kitted Switches			
194R-NA300P3	63 A BS88/HRCII-C-Fuse Switch	194R-B63-1753 or 194R-H60-1753	B63 for BS88-fuse, H60 for HRCII-C fuse
194R-ND072P3	75 A DIN-Fuse Switch	194R-D63-1753	Smaller switch, check ratings for suitability
194R-NJ060P3	60 A J-Fuse Switch	194R-J60-1753	-
194R-NJ060P34R1	60 A J-Fuse Handle/Shaft Kit	194R-J60-1753-PBR1	-
194R-NJ060P34ER1	60 A J-Fuse Handle/Shaft Kit	194R-J60-1753-PYR1	-
194R-NN060P3	60 A Non-Fused Switch	194R-N60-1753	-
194R-NN060P34R1	60 A Non-Fused Handle/Shaft Kit	194R-N60-1753-PBR1	-
194R-NN060P34ER1	60 A Non-Fused Handle/Shaft Kit	194R-N60-1753-PYR1	-
60 A Enclosed Switches			
194R-CN060P3	60 A Non-Fused Enclosed Switch	194R-CN60-1753-PB	Stainless Steel Enc, non-fused 60A, Black Handle
194R-FN060P3	60 A Non-Fused Enclosed Switch	194R-FN60-1753-PB	Painted Metal Enc, non-fused 60A, Black Handle
194R-KJ060P3E	60 A J-Fused Enclosed Switch	194R-KJ60-1753-PY	Thermo-Plastic Enc, J-fused 60A sw, Red/Yellow Handle
194R-CJ060P3	60 A J-Fused Enclosed Switch	194R-CJ60-1753-PB	Stainless Steel Enc, J-fused 60A, Black Handle
194R-FJ060P3	60 A J-Fused Enclosed Switch	194R-FJ60-1753-PB	Painted Metal Enc, J-fused 60A, Black Handle
Handles			
194R-HS1	Standard Lever Handle, Type 1	194R-HS1	-
194R-HS1E	Standard Lever Handle, Type 1	194R-HS1E	-
194R-HS4	Standard Lever Handle, Type 4X, Black	194R-HS4 or 194R-HST4	-
194R-HS4E	Standard Lever Handle, Type 4X, R/Y	194R-HS4E or 194R-HST4E	-
194R-HS4L	Extended Lever Handle, Type 4X	194R-HS4L or 194R-HS4EL	-
194R-NHR1	NFPA 79 Handle/R1-Shaft Kit	194R-NHR1	-
Shafts			
194R-R1	Standard Shaft	194R-R1 or 194R-NHR1	-
194R-R2	Extended Length Shaft	194R-R2 or 194R-NHR2	-
Accessories			
194R-A1	Auxiliary Support	N/A	-
194R-AA	Auxiliary Adaptor	N/A	-
194R-FA2	Fuse Cover	N/A	-
194R-FJ60	Fuse Cover	N/A	-
194R-HAIRPIN	Shaft Hair Pin	194R-30-HDWR or 194R-60-HDWR	-
194R-HSG1	Shaft Guide	194R-HSG1	-
194R-LNC1	Terminal Shield A1/A2	194R-30-C3 or 194R-30-C1	-
194R-LNC2	Terminal Shield B1/B2	194R-60-C3 or 194R-60-C1	-
194R-P1	Padlocking Attachment	194R-PLA1	-
194R-R1G	Shaft Guard	194R-R1G	-
194R-SC1	Shaft Coupler	194R-SC1	-
195-GA01	Aux Contact 1 N.C.	800F-X01	-
195-GA02	Aux Contact 2 N.C.	800F-X02D	-
195-GA10	Aux Contact 1 N.O.	800F-X10	-
195-GA11	Aux Contact 1 N.O./1 N.C.	800F-X11D	-
195-GA20	Aux Contact 2 N.O.	800F-X20D	-
194RF NFPA 79 Switches & Accessories			
194RF-30R1	30 A NFPA 79 Switch Accessory		Consult factory
194RF-30R2	30 A NFPA 79 Switch Accessory		Consult factory
194RF-60R1	60 A NFPA 79 Switch Accessory		Consult factory
194RF-60R2	60 A NFPA 79 Switch Accessory		Consult factory
194RF-NC030R14	30 A NFPA 79 Switch Assembly		Consult factory
194RF-NJ030R24E	30 A NFPA 79 Switch Assembly		Consult factory
194RF-NJ060R24E	60 A NFPA 79 Switch Assembly		Consult factory
194R-NHR1	NFPA 79 Handle/R1-Shaft Kit	194R-NHR1	-
194R-NHR2	NFPA 79 Handle/R2-Shaft Kit	194R-NHR2	-
194RS Side-Operated Switches			
194RS-NJ0604E	60 A Side-Operated Switch	194R-J60-1753 + 194R-SDK1	-
194RS-NC0304E	30 A Side-Operated Switch	194R-J30-1753 + 194R-SDK1	-
194RC Cable-Operated Switches			
194RC-NN030P3	30 A Cable-Operated Switch	194R-N30-1753 + 194R-FC03	-
194RC-NN060P3	60 A Cable-Operated Switch	194R-N60-1753 + 194R-FC03	-

* Not all options are available on this table. Please refer to www.ab.com/catalogs/ and choose Industrial Control => Online for more information.

Bulletin 194R Accessories



Fully Rated Fusible 4-Pole Accessory

- Provides flexibility in expanding power control capabilities
- Snap-on, easy field installation and converts 3-pole switch to a 4-pole switch in seconds for a lower inventory cost



NFWA 79 Handle Kit

Includes NFWA 79 handle, operating shaft, and Cat. No. 194R-PLA1 padlocking attachment



Shaft Guard

Provides extra protection against contact with shaft



Operating Shaft Guide

Allows easier coupling of shaft to operating handle if misalignment occurs between switch and enclosure after assembly installation



Operating Handle Instruction Label

Describes the function of the operating handle for opening the enclosure door with the disconnect switch in the ON and OFF position



Operating Shaft Coupler

Used with Cat. Nos. 194R-R1 and 194R-R2 shafts to extend shaft length an additional 4.75 in.



Contact Block

Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included



IP30 Fuse Carrier with Optional Blown Fuse Indication

- Allen-Bradley® exclusive blown fuse light indication accessory
- Removable fuse carriers for easy fuse installation and replacement
- Fuse carriers lock in when switch is ON
- Dead front for safety when fuse carrier is removed



Disconnect Switch Padlock Accessory



Multi-tap Terminal Lug

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