



Bulletin 194R
Fused and Non-Fused Disconnects
 Product Overview



Bulletin 194R Overview

		
	Bulletin 194R-C, J, H, B, D, F, L, N, NU	Bulletin 194R-NE
Product Type	Fused and non-fused rotary disconnect switches	Non-fused IEC rotary disconnect switches
Current Range	20...1200 A	100...1250 A
Main Applications	<ul style="list-style-type: none"> UL 98 ratings "suitable as service entrance disconnecting means" UL 508, CSA ratings "suitable as at-motor disconnect" 	<ul style="list-style-type: none"> Disconnecting means
Functionality	<ul style="list-style-type: none"> 3- or 4-pole fusible or non-fusible disconnect for standard OFF-ON or emergency stop in a main panel disconnect application 4th pole available as modular accessory Test mode switch position 	<ul style="list-style-type: none"> 3- or 4-pole non-fusible disconnect for standard OFF-ON or emergency stop in a main panel disconnect application 4th pole available as modular accessory Test mode switch position
Mounting Styles	Base/DIN Rail mounting	Base/DIN Rail mounting
Handles	<ul style="list-style-type: none"> Available in rotary styles, UL Type 1/3R/4/4X/12, IP66, standard, or test mode versions Handle colors in black and red/yellow and padlockable versions 30 A/60 A legend markers (optional) — uses Cat. No. 1492-MS6X12 markers 	<ul style="list-style-type: none"> Available in rotary styles, UL Type 1/3R/4/4X/12, IP66, standard, or test mode versions Handle colors in black and red/yellow and padlockable versions
Open Switch or Enclosed	<ul style="list-style-type: none"> Open switch Enclosed: UL/CSA rated enclosure 	<ul style="list-style-type: none"> Open switch
UL/CSA Electrical Ratings:		
Rated Voltage U_e	690V AC	690V AC
Rated Current I_e	20...1200 A	100...1250 A
Rated Power P_e [FLA]	Varies w/ 1- or 3-phase switch, voltage	Varies w/ 1- or 3-phase switch, voltage
Short-Circuit Ratings	200 kA	200 kA
Mechanical Life [ops]	10 000	10 000
IEC Rated Current I_e		
AC-1	20...1200 A @ 690V	100...1250 A @ 690V
AC-21A	Varies w/ 1- or 3-phase switch, voltage	Varies w/ 1- or 3-phase switch, voltage
AC-22A	Varies w/ 1- or 3-phase switch, voltage	Varies w/ 1- or 3-phase switch, voltage
Ambient Operational Temp.	-20...+60 °C (-4...+140 °F)	-20...+60 °C (-4...+140 °F)
Ambient Enclosed Temp.	-20...+60 °C (-4...+140 °F)	-20...+60 °C (-4...+140 °F)
Ambient Storage Temp.	-40...+65 °C (-40...+149 °F)	-40...+65 °C (-40...+149 °F)
Protection class per IEC 529	<ul style="list-style-type: none"> Switch bodies: IP2 Fuse carriers: IP30 	<ul style="list-style-type: none"> Switch bodies: IP2
Optional Accessories	<ul style="list-style-type: none"> Operator handles Multi-length shafts Auxiliary contacts Terminal covers NFPA 79 internal handle with shaft 	<ul style="list-style-type: none"> IP66 handles Multi-length shafts Auxiliary contacts Terminal covers NFPA 79 internal handle
Standards/Certifications	<ul style="list-style-type: none"> UL 98, UL 508 CSA C22.2, No. 14 IEC 60947-3 Low Voltage Switchgear and Controlgear part 3 CE 	<ul style="list-style-type: none"> CSA C22.2, No. 14 IEC 60947-3 Low Voltage Switchgear and Controlgear part 3 CE
Product Selection	Page 4	Page 4

Fused and Non-Fused Disconnects

Accessories





Auxiliary Contact Blocks^Δ

	Description	Contact Material	For Use With	Pkg. Quantity	Cat. No.
 <p>Cat. No. 800F-X10</p>	Contact Block Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.	N.O.	194R 30/60 A switches (all) 194R 100...1250 A switches (fused only)	10	800F-X10
		N.C.			800F-X01
		N.O.E.M.			800F-X10E
		N.C.L.B.			800F-X01L
		N.O. with stab terminals			800F-X10T
		N.C. with stab terminals			800F-X01T
		N.O. spring-clamp			800F-Q10
		N.C. spring-clamp			800F-Q01
	Auxiliary contact N.O./N.C.		194R 100...1250 A switches (non-fused only) [§]	1	194R-1STNONC
				1	194R-2NDNONC

^Δ Also used for test mode function for 20...63 A switches.

[§] Does not carry UL Certification

Operating Handles (Accepts 3 Padlocks)

	Description	For Use With	Color	Degree of Protection	Cat. No.
	Padlockable handle, standard	Bul. 194R disconnect switches up to 60 A	Black	Type 3R, 3, 12, 4, 4X	194R-PB
			Red/Yellow	Type 3R, 3, 12, 4, 4X	194R-PY
	Padlockable handle, test mode	Bul. 194R disconnect switches up to 60 A	Black	Type 3R, 3, 12, 4, 4X	194R-PBT
			Red/Yellow	Type 3R, 3, 12, 4, 4X	194R-PYT
	Operating Handle Standard orientation with defeater	IEC Non-fused disconnect switches: 125...630 A IEC Fused disconnect switches: 100...400 A UL Disconnect switches: 100...400 A	Black	IP66 (Type 1, 3R, 12, 4, 4X)	194R-HM4
			Red/Yellow	IP66 (Type 1, 3R, 12, 4, 4X)	194R-HM4E
		IEC Non-fused disconnect switches: 800...1250 A IEC Fused disconnect switches: 630...1250 A UL Non-fused disconnect switches: 600...1200 A UL Fused disconnect switches: 600...800 A	Black with light grey cover	IP65 (Type 1, 3R, 12, 4, 4X)	194R-HM4-L
			Red/Yellow	IP65 (Type 1, 3R, 12, 4, 4X)	194R-HM4E-L
	Operating Handle Standard orientation without defeater	IEC Non-fused disconnect switches: 800...1250 A IEC Fused disconnect switches: 630...1250 A UL Non-fused disconnect switches: 600...1200 A UL Fused disconnect switches: 600...800 A	Black with light grey cover	IP65 (Type 1, 3R, 12, 4, 4X)	194R-HM4-N2-L
			Red/Yellow	IP65 (Type 1, 3R, 12, 4, 4X)	194R-HM4E-N2-L