Fusible 30–800A

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Fusible 30–800A

Product Description

R9 Series (UL® 98 listed) Fusible 30–800A manual operated multi-pole fusible disconnect switches use double break contacts per pole that ensure complete isolation of the fuse when the switch is in the OFF position.

When installed with fuses, they provide protection for low voltage electrical installations against short circuit and overload.

Features, Benefits and Functions

- Load break functionality
- Double break contacts
- Up to 200 kA short-circuit rating with Class CC, J or L fuses
- Compact footprints
- The optional TEST position function (up to 400A) enables testing of the control circuit auxiliaries without switching the main contacts. This function provides a simple alternative to a separately wired pushbutton
- Defeatable pistol handles automatically re-latch when the panel door is closed
- Front or side operation
- Flange operation
- NFPA® 79 compliant kits
- Two-, three- and four-pole devices

Standards and Certifications

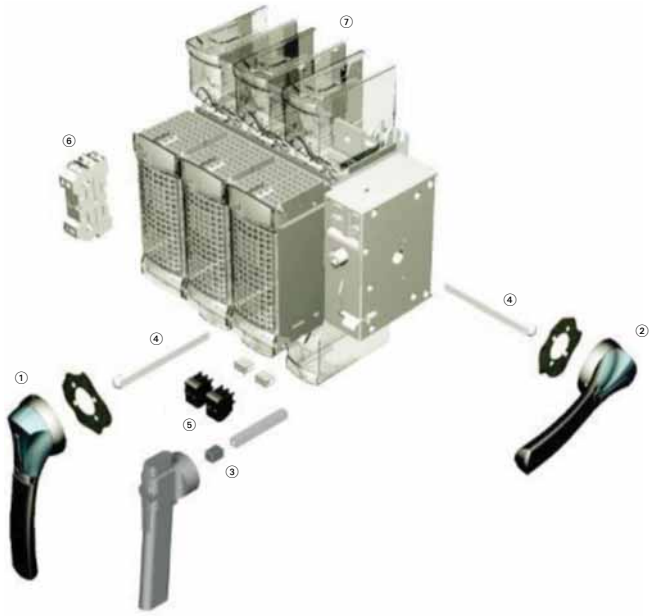
- UL 98, File E222859 for 30 to 800A ratings
- UL 489, File E305341 for H-Frame switches
- CSA® 22.2 No. 4, File 217736
- CSA 22.2 No. 5, File 217736, H-Frame only
- IEC 60947-1, EN 60947-1
- IEC 60947-3, EN 60947-3
- CE mark
- NFPA 79

Product Identification

R9 Fusible 30A/CC and 30A/J H-Frame—Direct and External Operation

① External front handles
② Direct handle
③ Shaft extensions for external handles
④ Configurable U Type ACs, for pre-break and signaling or TEST

R9 Fusible 30A/J–800A/L (I–N-Frames)—Direct and External Operation



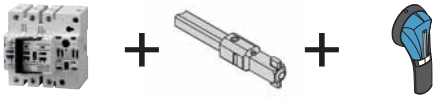
① External front handles
② External right side handle (not applicable for N-Frame 600/800A)
③ Direct handle
④ Shaft extensions for external handles
⑤ Configurable U Type ACs, for pre-break and signaling or TEST
⑥ Side auxiliary contacts
⑦ Terminal shrouds

Product Selection

Direct Operation

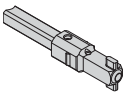
Switch body + Direct handle

External Operation



Switch body + Shaft + External handle

Front and Right Side Operation



Ampere Rating (Frame) (Fuse Class)	Number of Poles	Switch Body Only	Direct Handle	External Selector Handle (Choose one)	Shaft Extension for Selector Handle Only (Choose one)	External Front Pistol Handle	External Right Side Pistol Handle
30 ① Compact (H-Frame) (CC)	3	**R4H3030FCC**	**DHR9HC**	Black 1,3R,12 **SHB0N12HV**	7.90 (200.0) **SF200SH5X5H**	Black 1,3R,12 **PHB1N12F**	—
30 ① (H-Frame) (CC)	3 + switched neutral	**R4H3030FCCSN**		Red 1,3R,12 **SHR0N12HV**	12.60 320.0) **SF320SH5X5H**	Red 1,3R,12 **PHR1N12F**	
30 ① Compact (H-Frame) (J)	3	**R4H3030FJ**	**DHR9HJ**		15.70 (400.0) **SF400SH5X5H**		
30 ① (H-Frame) (J)	3 + switched neutral	**R4H3030FJSN**		Black 4,4X **SHB0N4XHV** Red 4,4X **SHR0N4XHV**		Black 4,4X **PHB1N4XF** Red 4,4X **PHR1N4XF**	
30 (I-Frame) (CC)	3	**R9I3030FCC**	**DHR9J2M**	—	—		
	4	**R9I4030FCC**					
30 (J-Frame) (J)	2	**R9J2030FJ**				Black 4,4X (w/ TEST Position) **PHB1N4XFT** Red 4,4X (w/ TEST Position) **PHR1N4XFT**	Black 4, 4X **PHB1N4XS** Red 4, 4X **PHR1N4XS**
	3	**R9J3030FJ**					
	4	**R9J4030FJ**					
60 ① (J-Frame) (J)	2	**R9J2060FJ**					
	3	**R9J3060FJ**					
	4	**R9J4060FJ**					

Note

① 100 kA short-circuit rating.

Front and Right Side Operation, continued

Ampere Rating (Frame) (Fuse Class)	Number of Poles	Switch Body Only	Shaft Extensions for Pistol Handle Only In (mm) (Choose one)	NFPA 79 Kit	Auxiliary Contacts (Choose one)	S Type Auxiliary Contacts (Choose one)	Terminal Shrouds
30 Compact (H-Frame) (CC)	3	**R4H3030FCC**	7.90 (200.0) **SF200PH5X5**	**NFPA79H**	1 AC NO **AC1NOR9**	—	Integral to switch
30 (H-Frame) (CC)	3 + switched neutral	**R4H3030FCCSN**	12.60 (320.0) **SF320PH5X5**		1 AC NC **AC1NCR**		
30 Compact (H-Frame) (J)	3	**R4H3030FJ**	15.70 (400.0) **SF400PH5X5**				
30 (H-Frame) (J)	3 + switched neutral	**R4H3030FJSN**					
30 (I-Frame) (CC)	3	**R9I3030FCC**	7.90 (200.0) **SF200PH10X10**	**NFPA79JKL**		1 AC NO + NC **AC1NO1NCJ2N**	
	4	**R9I4030FCC**					
30 (J-Frame) (J)	2	**R9J2030FJ**	12.60 (320.0) **SF320PH10X10**			2 AC NO + NC **AC2NO2NCJ2N**	
	3	**R9J3030FJ**					
	4	**R9J4030FJ**	15.70 (400.0) **SF400PH10X10**				
60 ① (J-Frame) (J)	2	**R9J2060FJ**				1 AC NO + NC w/ TEST **AC1NO1NCJ2NT**	
	3	**R9J3060FJ**	19.70 (500.0) **SF500PH10X10**				
	4	**R9J4060FJ**				2 AC NO + NC w/ TEST **AC2NO2NCJ2NT**	

Note

① 100 kA short-circuit rating.

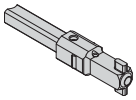
Front and Right Side Operation, continued

Ampere Rating (Frame) (Fuse Class)	Number of Poles	Switch Body Only	Direct Handle (Black)	External Front Pistol Handle (Choose one)	External Right Side Pistol Handle (Choose one)
60 ① (K-Frame) (J)	2	**R9K2060FJ**	**DHR9J2M**	Black 1,3R,12 **PHB2N12F** Red 1,3R,12 **PHR2N12F** Black 4,4X **PHB2N4XF** Red 4,4X **PHR2N4XF** Black 4,4X (w/ TEST Position) **PHB2N4XFT** Red 4,4X (w/ TEST Position) **PHR2N4XFT**	Black 4, 4X **PHB2N4XS** Red 4, 4X **PHR2N4XS**
	3	**R9K3060FJ**			
	4	**R9K4060FJ**			
100 (K-Frame) (J)	2	**R9K2100FJ**			
	3	**R9K3100FJ**			
	4	**R9K4100FJ**			
200 (L-Frame) (J)	2	**R9L2200FJ**			
	3	**R9L3200FJ**			
	4	**R9L4200FJ**			
400 (M-Frame) (J)	3	**R9M3400FJ**			—
	4	**R9M4400FJ**			
600 (N-Frame) (J)	2	**R9N2600FJ**	**DHR9N**	Black 4, 4X **PHB3N4XF** Red 4,4X **PHR3N4XF**	
	3	**R9N3600FJ**			
	4	**R9N4600FJ**			
800 (N-Frame) (L)	2	**R9N2800FL**			
	3	**R9N3800FL**			
	4	**R9N4800FL**			

Note

① 200 kA short-circuit rating.

Front and Right Side Operation, continued



Ampere Rating (Frame) (Fuse Class)	Number of Poles	Switch Body Only	Shaft Extensions for External Handle In (mm) (Choose one)	NFPA 79 Kit	Auxiliary Contacts (Choose one)	Auxiliary Contacts (Choose one)	Terminal Shrouds
60 ① (K-Frame) (J)	2	**R9K2060FJ**	7.90 (200.0) Pistol **SF200PH10X10**	**NFPA79JKL**	1 AC NO **AC1NOR9**	1 AC NO + NC **AC1NO1NCJ2N**	Integral to switch
	3	**R9K3060FJ**					
	4	**R9K4060FJ**					
100 (K-Frame) (J)	2	**R9K2100FJ**	12.60 (320.0) Pistol **SF320PH10X10**		1 AC NC **AC1NCR9**	2 AC NO + NC **AC2NO2NCJ2N**	
	3	**R9K3100FJ**					
	4	**R9K4100FJ**	15.70 (400.0) Pistol **SF400PH10X10**			1 AC NO + NC w/ TEST **AC1NO1NCJ2NT** ②	
200 (L-Frame) (J)	2	**R9L2200FJ**					**TSR9L2**
	3	**R9L3200FJ**					**TSR9L3**
	4	**R9L4200FJ**	19.70 (500.0) Pistol **SF500PH10X10**			2 AC NO + NC w/ TEST **AC2NO2NCJ2NT** ②	**TSR9L4**
400 (M-Frame) (J)	3	**R9M3400FJ**					**TSR9M3**
	4	**R9M4400FJ**					**TSR9M4**
600 (N-Frame) (J)	2	**R9N2600FJ**	7.90 (200.0) Pistol **SF200PH12X12**	**NFPA79N**		1 AC NO + NC **AC1NO1NCJ2N**	**TSR9N2**
	3	**R9N3600FJ**					**TSR9N3**
	4	**R9N4600FJ**					**TSR9N4**
800 (N-Frame) (L)	2	**R9N2800FL**	12.60 (320.0) Pistol **SF320PH12X12**			2 AC NO + NC **AC2NO2NCJ2N**	**TSR9N2**
	3	**R9N3800FL**					**TSR9N3**
	4	**R9N4800FL**	15.70 (400.0) Pistol **SF400PH12X12**				**TSR9N4**
			19.70 (500.0) Pistol **SF500PH12X12**				

Note

① 200 kA short-circuit rating.

② Requires test handle.

Accessories

NFPA 79 Compliant

"Flange" Handle for Flange-Operated Switches

Description	Ampere Rating (Frame)	Handle Type	NEMA Type	Catalog Number
For side-operated switches only. Provides heavy-duty flange style operation. Meets both UL 508A and NFPA 79 requirements. Please order cable or rod link between handle and switch.	30–400 (J-, K-, L-, M-Frame)	Standard handle	1, 3, 3R, 4, 12	**FHS** ①②
	30–400 (J-, K-, L-, M-Frame)	Chrome-plated handle	1, 3, 3R, 4, 4X, 12	**FHCP** ①②

Cable Operator

Mechanism for Flange Handle

Description	Ampere Rating (Frame)	NEMA Type	Cable Length In (mm)	Catalog Number
Link between "Flange" handle and side-operated switches. Please order mechanism and "Flange" handle.	30–400 (J-, K-, L-, M-Frame)	Mechanism for "Flange" handle	—	**CFM1** ②
			36.00 (914.4)	**CFC36** ②
			60.00 (1524.0)	**CFC60** ②
			120.00 (3048.0)	**CFC120** ②

Rod Operator

Description	Ampere Rating (Frame)	For Enclosure Depth In (mm)	Catalog Number
Link between "Flange" handle and side-operated switches. Mechanism included. Please order "Flange" handle.	30–400 (J-, K-, L-, M-Frame)	8.00–24.00 (203.2–609.6)	**RFM1** ②

NFPA 79 "Through the Door" Kit

Description	Ampere Rating (Frame)	Catalog Number
For front-operated switches only. Meets both UL 508A and NFPA 79 requirements. Kit includes mechanism, shaft and internal handle. Please also order a "PH" type external pistol handle.	30 (H-Frame)	**NFPA79H**
	30–400 (J-, K-, L-, M-Frame)	**NFPA79JKL**
	600–800 (N-Frame)	**NFPA79N**

Note

① Defeatable.

② Available October 2011.

Direct Handle

Description	Ampere Rating (Frame)	Fuse	Catalog Number
Front operation. Black.	30 (H-Frame)	CC	**DHR9HC**
	30 (H-Frame)	J	**DHR9HJ**
	30 (I-Frame)	CC	**DHR9J2M**
	30–400 (J-, K-, L-, M-Frame)	J	**DHR9J2M**
	600–800 (N-Frame)	J/L	**DHR9N**

Door Interlocked External Front Handles

SO Type Handle

PH1 Type Handle

PH2 Type Handle

PH3 Type Handle

Description	Ampere Rating (Frame)	Handle Type	NEMA Type	Color	Standard Catalog Number
The handle locking function of the front external operation handle prevents the user from opening the door of the enclosure when the switch is in the ON position, and when the switch is padlocked in the OFF position (PH1, PH2 and PH3 type handles only). Opening the door when the switch is in the OFF position is possible by defeating the locking function with the use of a tool (authorized persons only). The locking function is restored when the door is closed back.	30 (H-Frame)	SO	1, 3R, 12	Black	**SHB0N12HV**
	30 (H-Frame)	SO	1, 3R, 12	Red/yellow	**SHR0N12HV**
	30 (H-Frame)	SO	4, 4X	Black	**SHB0N4XHV**
	30 (H-Frame)	SO	4, 4X	Red/yellow	**SHR0N4XHV**
	30–60 (H-,I-, J-Frame)	PH1	1, 3R, 12	Black	**PHB1N12F**
	30–60 (H-,I-, J-Frame)	PH1	1, 3R, 12	Red/yellow	**PHR1N12F**
	30–60 (H-,I-, J-Frame)	PH1	4, 4X	Black	**PHB1N4XF**
	30–60 (H-,I-, J-Frame)	PH1	4, 4X	Red/yellow	**PHR1N4XF**
	30–60 (H-,I-, J-Frame)	PH1	4, 4X	Black	**PHB1N4XFT** ①
	30–60 (H-,I-, J-Frame)	PH1	4, 4X	Red/yellow	**PHR1N4XFT** ①
	60–400 (K-, L-, M-Frame)	PH2	1, 3R, 12	Black	**PHB2N12F**
	60–400 (K-, L-, M-Frame)	PH2	1, 3R, 12	Red/yellow	**PHR2N12F**
	60–400 (K-, L-, M-Frame)	PH2	4, 4X	Black	**PHB2N4XF**
	60–400 (K-, L-, M-Frame)	PH2	4, 4X	Red/yellow	**PHR2N4XF**
	60–400 (K-, L-, M-Frame)	PH2	4, 4X	Black	**PHB2N4XFT** ①
	60–400 (K-, L-, M-Frame)	PH2	4, 4X	Red/yellow	**PHR2N4XFT** ①
	600–800 (N-Frame)	PH3	4, 4X	Black	**PHB3N4XF**
	600–800 (N-Frame)	PH3	4, 4X	Red/yellow	**PHR3N4XF**

Right Side External Handles

Ampere Rating (Frame)	Handle Type	NEMA Type	Color	Standard Catalog Number
30–60 (J-Frame)	PH1	4, 4X	Black	**PHB1N4XS**
30–60 (J-Frame)	PH1	4, 4X	Red/yellow	**PHR1N4XS**
60–400 (K-, L-, M-Frame)	PH2	4, 4X	Black	**PHB2N4XS**
60–400 (K-, L-, M-Frame)	PH2	4, 4X	Red/yellow	**PHR2N4XS**

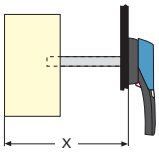
Note

① Includes TEST position.

Shaft Extensions for External Handles

Ampere Rating (Frame)	Handle Type	Shaft Length In (mm)	Catalog Number
30 (H-Frame)	SH0	7.90 (200.0)	**SF200SH5X5H**
30 (H-Frame)	SH0	12.60 (320.0)	**SF320SH5X5H**
30 (H-Frame)	SH0	15.70 (400.0)	**SF400SH5X5H**
30 (H-Frame)	PH1	7.90 (200.0)	**SF200PH5X5**
30 (H-Frame)	PH1	12.60 (320.0)	**SF320PH5X5**
30 (H-Frame)	PH1	15.70 (400.0)	**SF400PH5X5**
30–400 (I-, J-, K-, L-, M-Frame)	PH2	7.90 (200.0)	**SF200PH10X10**
30–400 (I-, J-, K-, L-, M-Frame)	PH2	12.60 (320.0)	**SF320PH10X10**
30–400 (I-, J-, K-, L-, M-Frame)	PH2	15.70 (400.0)	**SF400PH10X10**
30–400 (I-, J-, K-, L-, M-Frame)	PH3	19.70 (500.0)	**SF500PH10X10**
600–800 (N-Frame)	PH3	7.90 (200.0)	**SF200PH12X12**
600–800 (N-Frame)	PH3	12.60 (320.0)	**SF320PH12X12**
600–800 (N-Frame)	PH3	15.70 (400.0)	**SF400PH12X12**
600–800 (N-Frame)	PH3	19.70 (500.0)	**SF500PH12X12**

Handle Types SH and PH, X Minimum Dimensions



Ampere Rating (Frame)	Dimensions X In (mm)	Handle Type	Shaft Length In (mm)	Catalog Number
30 (H-Frame)	4.02–9.65 (102.0–245.0)	SH0	7.90 (200.0)	**SF200SH5X5H**
30 (H-Frame)	4.02–14.37 (102.0–365.0)	SH0	12.60 (320.0)	**SF320SH5X5H**
30 (H-Frame)	4.02–17.52 (102.0–445.0)	SH0	15.70 (400.0)	**SF400SH5X5H**
30 (H-Frame)	4.02–9.65 (102.0–245.0)	PH1	7.90 (200.0)	**SF200PH5X5**
30 (H-Frame)	4.02–14.37 (102.0–365.0)	PH1	12.60 (320.0)	**SF320PH5X5**
30 (H-Frame)	4.02–17.52 (102.0–445.0)	PH1	15.70 (400.0)	**SF400PH5X5**
30–100 (I-, J-, K-Frame)	5.30–9.06 (135.0–230.0)	PH2, PH3	7.90 (200.0)	**SF200PH10X10**
200 (L-Frame)	5.70–9.06 (145.0–230.0)	PH2, PH3	7.90 (200.0)	**SF200PH10X10**
400 (M-Frame)	7.87–10.24 (200.0–260.0)	PH2, PH3	7.90 (200.0)	**SF200PH10X10**
30–100A (I-, J-, K-Frame)	5.30–13.78 (135.0–350.0)	PH2, PH3	12.60 (320.0)	**SF320PH10X10**
200 (L-Frame)	5.70–13.78 (145.0–350.0)	PH2, PH3	12.60 (320.0)	**SF320PH10X10**
400 (M-Frame)	7.87–14.96 (200.0–380.0)	PH2, PH3	12.60 (320.0)	**SF320PH10X10**
30–100 (I-, J-, K-Frame)	5.30–16.93 (135.0–430.0)	PH2, PH3	15.70 (400.0)	**SF400PH10X10**
200 (L-Frame)	5.70–16.93 (145.0–430.0)	PH2, PH3	15.70 (400.0)	**SF400PH10X10**
400 (M-Frame)	7.87–18.10 (200.0–460.0)	PH2, PH3	15.70 (400.0)	**SF400PH10X10**
30–100 (I-, J-, K-Frame)	5.30–20.87 (135.0–530.0)	PH2, PH3	19.70 (500.0)	**SF500PH10X10**
200 (L-Frame)	5.70–20.87 (145.0–530.0)	PH2, PH3	19.70 (500.0)	**SF500PH10X10**
400 (M-Frame)	7.87–22.05 (200.0–560.0)	PH2, PH3	19.70 (500.0)	**SF500PH10X10**
600–800 (N-Frame)	10.63–11.97 (270.0–304.0)	PH3	12.60 (320.0)	**SF320PH12X12**
600–800 (N-Frame)	10.63–16.69 (270.0–424.0)	PH3	12.60 (320.0)	**SF320PH12X12**
600–800 (N-Frame)	10.63–19.84 (270.0–504.0)	PH3	15.70 (400.0)	**SF400PH12X12**
600–800 (N-Frame)	10.63–23.78 (270.0–604.0)	PH3	19.70 (50.00)	**SF500PH12X12**

Auxiliary Contacts—NO + NC ①

Description	Ampere Rating (Frame)	Number of ACs	Operating Current I_e (Amperes) Nominal Current (Amperes)	Catalog Number
For the R9 Series Fusible 30–800A, indication of the O and I positions by 1 to 4 NO + NC auxiliary contacts. Electrical principle: Cabling by terminal cage with #16 AWG maximum. High electrical characteristics: A600/D600	600–800 (N-Frame)	1NO + 1NC	10	**AC1NO1NCJ2N** ②
	600–800 (N-Frame)	2NO + 2NC	10	**AC2NO2NCJ2N** ②
	30–400 (I–M-Frame)	1NO + 1NC (w/ TEST)	10	**AC1NO1NCJ2NT**
	30–400 (I–M-Frame)	2NO + 2NC (w/ TEST)	10	**AC2NO2NCJ2NT**

Auxiliary Contacts—NO or NC ③

Description	Ampere Rating (Frame)	Number of ACs	Catalog Number
The different functions (pre-break, 0 and 1 indication, TEST feature) are easily configurable with pegs (one or two pegs per position). Two superposed auxiliary contacts maximum. For 30A/CC (H-Frame), maximum of four ACs. For 30A/J (H-Frame), maximum of two ACs. For 30 to 100A/J (I, J and K-Frame), maximum of four ACs. For 200 to 600A/J (L and M-Frame), maximum of eight ACs. Cabling to the control circuit by terminals with a maximum section of 2 x 2.5 mm^2. Electrical characteristics: A300	**NO Auxiliary Contact**		
	30–600 (H–M-Frame)	1	**AC1NOR9**
	NC Auxiliary Contact		
	30–600 (H–M-Frame)	1	**AC1NCR9**

Characteristics for Pre-Break Auxiliary Contacts

Ampere Rating	Contact Type	Nominal Current Amperes	Operating Current I_e (Amperes) 250 Vac AC-13	400 Vac AC-13	24 Vdc DC-13	48 Vdc DC-13
30–800	NO + NC	10	6	4	5	3

Terminal Shrouds

Terminal Shrouds

Description	Ampere Rating (Frame)	Number of Poles	Catalog Number
Line or load side protection against direct contact with terminals or the connection parts	30–100 (H-, I-, J-, K-Frame)	2/3/4	Integral to switch
	200 (L-Frame)	2	**TSR9L2**
	200 (L-Frame)	3	**TSR9L3**
	200 (L-Frame)	4	**TSR9L3**
	400 (M-Frame)	2	**TSR9M2** ④
	400 (M-Frame)	3	**TSR9M3** ④
	400 (M-Frame)	4	**TSR9M4** ④
	600–800 (N-Frame)	2	**TSR9N2**
	600–800 (N-Frame)	3	**TSR9N3**
	600–800 (N-Frame)	4	**TSR9N4**

Notes

① Same-make/same-break auxiliary contacts.
② Auxiliary contacts without "Test" cannot be used on I–M-Frame switches.
③ Early-break/same-make auxiliary contacts.
④ For replacement only. Both line and load side terminal shrouds are included with 400A switch.

Line and Load Terminal Lugs

Description	Ampere Rating (Frame)	Fuse	Number of Lugs	Lug Capacity/ Phase	Cable Type	Catalog Number
Connection of bare copper cables on to the terminals (no spade lugs).	30 (H-, I-Frame)	CC/J	—	#14–#10	Cu	Integral to switch
	30 (H-, I-Frame)	CC/J	—	#14–#10	Cu	Integral to switch
	30–60 (J-Frame)	J	—	#10–#6	Cu	Integral to switch
	60–100 (K-Frame)	J	—	#12–#1	Cu	Integral to switch
	200 (L-Frame)	J	2	#6–300 kcmil	Cu/Al	**LK2R9DL**
	200 (L-Frame)	J	3	#6–300 kcmil	Cu/Al	**LK3R9DL**
	200 (L-Frame)	J	4	#6–300 kcmil	Cu/Al	**LK4R9DL**
	400 (M-Frame)	J	3	(2) #2–600 kcmil	Cu/Al	**LK3R9FN**
	400 (M-Frame)	J	4	(2) #2–600 kcmil	Cu/Al	**LK4R9FN**
	600–800 (N-Frame)	J/L	2	(2) #2–600 kcmil	Cu/Al	**LK2R9FN**
	600–800 (N-Frame)	J/L	3	(2) #2–600 kcmil	Cu/Al	**LK3R9FN**
	600–800 (N-Frame)	J/L	4	(2) #2–600 kcmil	Cu/Al	**LK4R9FN**

Shorting Links

Ampere Rating (Frame)	Fuse	Pack Quantity	Catalog Number
60 (J-,K-Frame)	J	3	**SLJK360**
100 (K-Frame)	J	3	**SLK3100**
200 (L-Frame)	J	3	**SLL3**
400 (M-Frame)	J	3	**SLM3**
600–800 (N-Frame)	J/L	3	**SLN3**

Technical Data and Specifications

UL and CSA Characteristics

R9 Series Fusible 30–800A

Description	30A	30A	30A	30A	60A	60A	100A
General Use Ratings							
Switch Frame	H	H	I	J	J	K	K
600 Vac (A)	30	30	30	30	60	60	100
600 Vdc (A)	—	—	—	—	—	—	—
Short-Circuit Ratings							
Short-circuit rating at 600 Vac (kA)	100	100	100	200	100	200	200
Fuse type	CC	J	CC	J	J	J	J
Maximum fuse rating (A)	30	30	30	30	60	60	100
Maximum Horsepower Rating/Maximum Motor FLA Three-Phase							
220–240 Vac	7.5/22	7.5/22	7.5/22	7.5/22	15/42	15/42	30/80
440–480 Vac	15/21	15/21	15/21	15/21	30/40	30/40	60/77
600 Vac	20/22	20/22	20/22	20/22	50/52	50/52	75/77
Maximum Horsepower Rating/Maximum Motor FLA Single-Phase							
220–240 Vac	—	—	3/17	3/17	10/50	10/50	10/50
440–480 Vac	—	—	7.5/21	7.5/21	10/26	10/26	10/26
600 Vac	—	—	10/20	10/20	10/20	10/20	10/20
Maximum Horsepower Rating/Maximum Motor FLA DC							
125 Vdc ①	3/25	3/25	3/25	3/25	5/40	5/40	7.5/58
250 Vdc ②	5/20	5/20	5/20	5/20	10/38	10/38	20/72
Mechanical Characteristics							
Endurance (number of operating cycles)	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Terminal Lugs							
Type	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Minimum conn. section	#14	#14	#14	#10	#10	#12	#12
Maximum conn. section	#10	#10	#10	#6	#6	#1	#1

Notes

① Two-pole in series.
② Three-pole in series.

R9 Series Fusible 30–800A, continued

Description	200A	400A	600A	800A
General Use Ratings				
Switch Frame	L	M	N	N
600 Vac (A)	200	400	600	800
600 Vdc (A)	—	—	600 ②	800 ②
Short-Circuit Ratings				
Short-circuit rating at 600 Vac (kA)	200	200	200	200
Fuse type	J	J	J	L
Maximum fuse rating (A)	200	400	600	800
Maximum Horsepower Rating/Maximum Motor FLA Single-Phase				
220–240 Vac	—	—	—	—
440–480 Vac	—	—	—	—
600 Vac	—	—	—	—
Maximum Horsepower Rating/Maximum Motor FLA Three-Phase				
220–240 Vac	60/154	125/312	200/480	200/480
440–480 Vac	125/156	250/302	500/590	500/590
600 Vac	150/144	350/336	500/472	500/472
Maximum Horsepower Rating/Maximum Motor FLA DC				
125 Vdc ①	—	20/148	—	—
250 Vdc ②	—	50/173 ②	—	—
Mechanical Characteristics				
Endurance (number of operating cycles)	8000	6000	5000	5000
Terminal Lugs				
Type	Option	Option	Option	Option
Minimum conn. section	#6	#2	2x#2	2x#2
Maximum conn. section	3/0	300 kcmil	2 x 600 kcmil	2 x 600 kcmil

Notes

① Two-pole in series.
② Three-pole in series.