

Fusible 30–800A



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

Contents

Description

Description	Page
Non-Fusible 30–100A Compact	V5-T8-12
Non-Fusible 100–1200A	V5-T8-18
Fusible 30–800A	
Product Identification	V5-T8-27
Product Selection	V5-T8-28
Accessories	V5-T8-32
Technical Data and Specifications	V5-T8-37
Dimensions	V5-T8-39
DC Rated Disconnects	V5-T8-45

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
- 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

8.3

Rotary Disconnects

R9 Series (UL 98)

Product Selection

Direct Operation



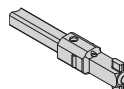
Switch body + Direct handle

External Operation



Switch body + Shaft + External handle

Front and Right Side Operation



8

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	Black 4,4X SHB0N4XHV	15.70 (400.0) SF400SH5X5H	Black 4,4X PHB1N4XF	
30 ① (H-Frame) (J)	3 + switched neutral	R4H3030FJSN		Red 4,4X SHR0N4XHV		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	Black 4, 4X PHB1N4XS
	3	R9J3030FJ					
	4	R9J4030FJ					
60 ① (J-Frame) (J)	2	R9J2060FJ				Red 4,4X (w/ TEST Position) PHR1N4XFT	Red 4, 4X PHR1N4XS
	3	R9J3060FJ					
	4	R9J4060FJ					

Note

① 100 kA short-circuit rating.

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

S0 Type Handle



Door Interlocked External Front Handles

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

PH1 Type Handle



PH2 Type Handle



PH3 Type Handle



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.