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Open Rotary Disconnects

Product Overview

Rotary Disconnect Switch Selection Guide



**R5 Series
Non-Fusible 16–80A**



**R9 Series
Non-Fusible 30–100A Compact**



**R9 Series
Non-Fusible 100–1200A**

Description

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Product Description

R5 Series (UL 508 listed) products are manually operated modular switches. Load break switching and isolation provide safety solutions for any low voltage circuit, particularly for machine and control circuits. The R5 Series products are manual motor controllers suitable as motor disconnect.

The R9 Series (UL 98 listed) non-fusible 30–100A compact range ensures making or breaking on load and safety isolation for low voltage electrical circuits, particularly for machine control circuits up to 600V.

The R9 Series (UL 98 listed) non-fusible 100–1200A are manually operated multipole load-break switches. Quick-make, quick-break design provides safety isolation for any low voltage circuit.

Approvals

UL 508 listed, Guide NLRV, File E165150
CSA C22.2 No. 14, File 217736
IEC 60947-3, EN 60947-3
CCC

UL 98, File E222859
CSA 22.2 No. 4, File 217736
IEC 60947-3
EN 60947-3

UL 98, File E222859
CSA 22.2 No. 4, File 217736
IEC 60947-3
EN 60947-3



**R9 Series
Fusible 30–800A**



**R9 Series
DC Rated Disconnects**



Manual Transfer Switches

Description

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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.

UL listed disconnect switches 600 Vdc for photovoltaic applications 100 to 400A

R9 Series (UL 98 listed) DC rated disconnects are manually operated multi-pole load break switches. They provide safety isolation for any low voltage circuit in a photovoltaic application.

R9 Series (UL 98 listed) non-fusible disconnects are heavy-duty manual transfer switches, they transfer load manually between two low voltage circuits and provide safety disconnection.

These switches are extremely durable and are tested and approved for use in the most demanding applications as resistive load or total system applications.

Approvals

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
NFFPA® 79

UL 98, cULus®, File E222859
CSA 22.2 No. 4, File 217736 ①
IEC 60947-3
EN 60947-3
IEC 60-364-7-712 (Rules for the installations and sites special—photovoltaic applications)

UL 98, cULus, File E222859
UL 1008 (2011)
CSA 22.2 No. 4, File 217736
IEC 60947-3
EN 60947-3

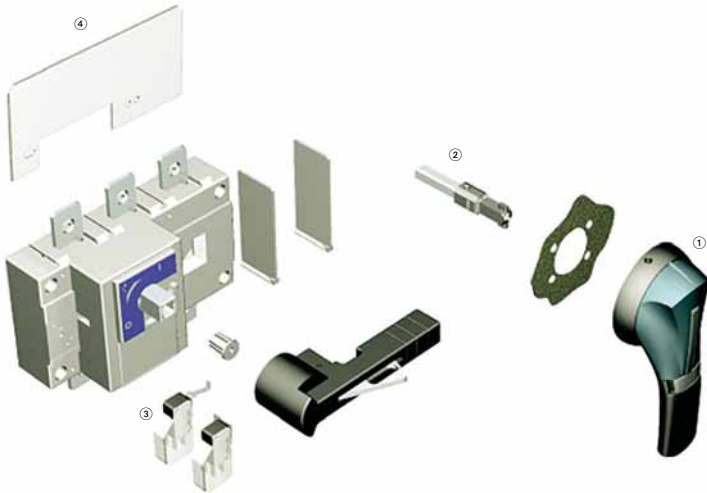
Note

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Non-Fusible 100–1200A**Features**

- High thermal and dynamic withstand ratings
- Arduous categories of applications
- High electrical and mechanical endurences

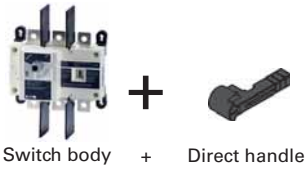
R9 Series Non-Fusible 100–1200A**Product Identification**

- ① External front handle
- ② Shaft extensions for external handle
- ③ Configurable U-type ACs, for pre-break and signalling or TEST
- ④ Terminal Screens

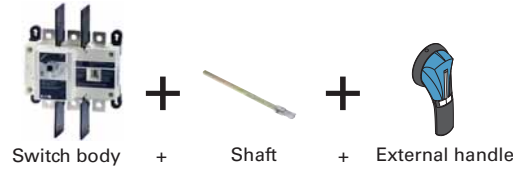
Note: For further details, please see the installation instructions supplied with each device.

Product Selection

Direct Operation



External Operation



R9 Series Non-Fusible 100–1200A



Ampere Rating (Frame)	Number of Poles	Switch Body Only	Direct Handle	Door Interlocked External Pistol Handle (Choose One)	Shaft Extensions for External Handle—In (mm) (Choose One)	Auxiliary Contacts	Terminal Screens (Choose One)	Terminal Lugs ^③
100 (D Frame)	3	R9D3100U	DHR9DE	Size 2, Black 1, 3R, 12 Defeatable PHB2N12F	7.90 (200.0)	1NO + 1NC AC1N0NCDE AC1N0NCDELL	3-pole, Line side only TS3R9DT	LK3R9DL
	4	R9D4100U			12.60 (320.0)		3-pole, Load side only TS3R9DB	LK4R9DL
200 (D Frame)	3	R9D3200U	DHR9DE	Size 2, Red 1, 3R, 12 Defeatable PHR2N12F	15.70 (400.0)	2NO + 2NC AC2N0NCDE AC2N0NCDELL	4-pole, Line or load side TS4R9DTB	LK4R9DL
	4	R9D4200U			19.70 (500.0)		3-pole, Line side only TS3R9ET	LK3R9EM
400 (E Frame)	3	R9E3400U	DHR9DE	Size 2, Black 4, 4X Defeatable PHB2N4XF	19.70 (500.0)	2NO + 2NC AC2N0NCDE AC2N0NCDELL	3-pole, Load side only TS3R9EB	LK4R9EM
	4	R9E4400U					4-pole, Line or load side TS4R9ETB	LK3R9EM
600 (F Frame)	3	R9F3600U	DHR9FG	Size 3, Black 4, 4X Defeatable PHB3N4XF	7.90 (200.0)	1NO AC U Type AC1N0R9 ^②	TS3R9F ^①	LK3R9FN
	4	R9F4600U			12.60 (320.0)		TS4R9F ^①	LK4R9FN
800 (G Frame)	3	R9G3800U	DHR9FG	Size 3, Red 4, 4X Defeatable PHR3N4XF	12.60 (320.0)	1NC AC U Type AC1NCR9 ^②	TS3R9G ^①	LK6R9G
	4	R9G4800U			19.70 (500.0)		TS4R9G ^①	LK8R9G
1000 (G Frame)	3	R9G31000U	DHR9FG	Size 4, Black 4, 4X Defeatable PHB4N4XF	1.70 (400.0)	1NC AC U Type AC1NCR9 ^②		
	4	R9G41000U			19.7 (500.0)			
1200 (G Frame)	3	R9G31200U	DHR9FG	Size 4, Red 4, 4X Defeatable PHR4N4XF	19.7 (500.0)			
	4	R9G41200U						

Notes

- ① Top (line side) supplied as standard.
- ② Auxiliary contact requires holder (catalog number ACHFG) when used on F and G Frame switches (non-fusible 600–1200A).
- ③ Each catalog number is for line or load side. For both line and load, please order two sets.