

Product Selection

Direct Operation



Switch body + Direct handle

External Operation



Switch body + Shaft + External handle

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	7.90 (200.0) SF200PH10X10	1NO + 1NC AC1N0NCDE AC1N0NCDELL	3-pole, Line side only TS3R9DT	LK3R9DL
	4	R9D4100U						LK4R9DL
200 (D-Frame)	3	R9D3200U		PHB2N12F	12.60 (320.0) SF320PH10X10	2NO + 2NC AC2N0NCDE AC2N0NCDELL	3-pole, Load side only TS3R9DB	LK3R9DL
	4	R9D4200U		Size 2, Red 1, 3R, 12 Defeatable PHR2N12F	15.70 (400.0) SF400PH10X10		4-pole, Line or load side TS4R9DTB	LK4R9DL
400 (E-Frame)	3	R9E3400U		Size 2, Black 4, 4X Defeatable PHB2N4XF	19.70 (500.0) SF500PH10X10		3-pole, Line side only TS3R9ET	LK3R9EM
	4	R9E4400U					3-pole, Load side only TS3R9EB	LK4R9EM
				Size 2, Red 4, 4X Defeatable PHR2N4XF			4-pole, Line or load side TS4R9ETB	
600 (F-Frame)	3	R9F3600U	DHR9FG	Size 3, Black 4, 4X Defeatable	7.90 (200.0) SF200PH15X12	1NO AC U Type AC1N0R9 ^②	TS3R9F ^①	LK3R9FN
	4	R9F4600U		PHB3N4XF			TS4R9F ^①	LK4R9FN
800 (G-Frame)	3	R9G3800U		Size 3, Red 4, 4X Defeatable PHR3N4XF	12.60 (320.0) SF320PH15X12	1NC AC U Type AC1NCR9 ^②	TS3R9FFS ^④	LK6R9G
	4	R9G4800U					TS3R9G ^①	LK8R9G
1000 (G-Frame)	3	R9G31000U			1.70 (400.0) SF400PH15X12		TS4R9G ^①	
	4	R9G41000U					TS3R9GFS ^④	
1200 (G-Frame)	3	R9G31200U		Size 4, Black 4, 4X Defeatable PHB4N4XF				
	4	R9G41200U		Size 4, Red 4, 4X Defeatable PHR4N4XF				

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.
- ④ FS suffix = Finger Safe.

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Rotary Disconnects

R9 Series (UL 98)

Accessories

Direct Handle



Direct Handle

Description	Ampere Rating	Handle Color	Catalog Number
Front operation	100–400	Black	DHR9DE
	600–1200	Black	DHR9FG

PH2 and PH3 Types



Door Interlocked External Handle—Front Operation

Description	Ampere Rating	Switch Frame	Handle Type	Handle Color	NEMA Type	Defeatable ①	Catalog Number
The door interlocked external handle includes one lockable handle and one escutcheon.	100–400	D/E	PH2	Black	1,3R,12	Yes	PHB2N12F
	100–400	D/E	PH2	Red	1,3R,12	Yes	PHR2N12F
For Dimensions, see Page V5-T8-23.	100–400	D/E	PH2	Black	4,4X	Yes	PHB2N4XF
	100–400	D/E	PH2	Red	4,4X	Yes	PHR2N4XF
	600–1200	F/G	PH3	Black	4,4X	Yes	PHB3N4XF
	600–1200	F/G	PH3	Red	4,4X	Yes	PHR3N4XF
	600–1200	F/G	PH4	Black	4,4X	Yes	PHB4N4XF
	600–1200	F/G	PH4	Red	4,4X	Yes	PHR4N4XF

PH4 Type



Shaft Extensions

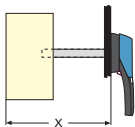


Shaft Extensions for External Front Handle

Front Operation

Use	Ampere Rating (Frame)	Handle Type	Shaft Length In (mm)	Catalog Number
Standard lengths: 200 mm, 320 mm, 400 mm, 500 mm	100–400 (D-, E-Frame)	PH2	7.90 (200.0)	SF200PH10X10
	100–400 (D-, E-Frame)	PH2	12.60 (320.0)	SF320PH10X10
	100–400 (D-, E-Frame)	PH2	15.70 (400.0)	SF400PH10X10
	100–400 (D-, E-Frame)	PH2	19.70 (500.4)	SF500PH10X10
	600–1200 (F-, G-Frame)	PH3/PH4	7.90 (200.0)	SF200PH15X12
	600–1200 (F-, G-Frame)	PH3/PH4	12.60 (320.0)	SF320PH15X12
	600–1200 (F-, G-Frame)	PH3/PH4	15.70 (400.0)	SF400PH15X12

Shaft Length Minimum Dimensions (X)—Inches (mm)



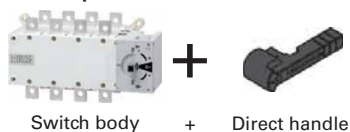
Description	Ampere Rating (Frame)	X	Length	Catalog Number
Standard lengths: • 7.90 (200.6) • 12.60 (320.0) • 5.70 (398.8)	100–400 (D-, E-Frame)	5.31–10.43 (135.0–265.0)	7.90 (200.6)	SF200PH10X10
		5.31–10.43 (135.0–385.0)	12.60 (320.0)	SF320PH10X10
		5.31–10.43 (135.0–465.0)	15.70 (398.8)	SF400PH10X10
		5.31–22.20 (135.0–565.0)	19.70 (500.4)	SF500PH10X10
		600–1200 (F-, G-Frame)	8.70–13.50 (221.0–343.0)	7.90 (200.6)
		8.70–18.23 (221.0–463.0)	12.60 (320.0)	SF320PH15X12
		8.70–21.38 (221.0–543.0)	15.70 (398.8)	SF400PH15X12

Note

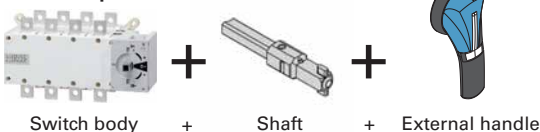
① Allow the door to be opened when the switch is in 1 (ON) position.

Product Selection

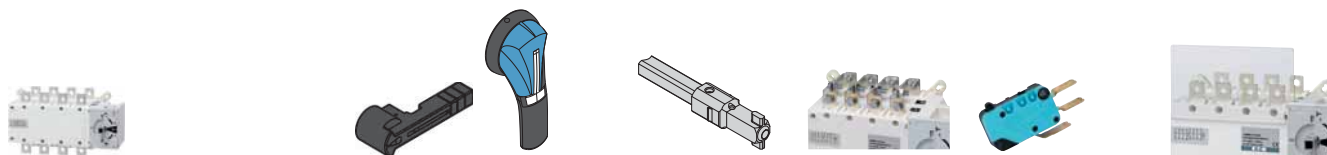
Direct Operation



External Operation



Manual Transfer/Double Throw Switches—UL 98 Standard ^①



Ampere Rating	Number of Poles	Switch Body Only ^①	Direct Handle (Black)	External Three-Position Handle (Choose one)	Shaft Extensions for External Handle In (mm) (Choose one)	Bridging Bars	Auxiliary Contacts	Terminal Screens ^②		
100	3	RMTS3100U	DHMTSSL	Size 2, Black I–O–II Type 4/4X PHB2N4X3P	7.90 (200.6) SF200PH10X10	3P BB3P200	NO/NC AC1NONCMTS400	3P TS3MTS200TB		
	4	RMTS4100U			12.60 (320.0) SF320PH10X10					
200	3	RMTS3200U		Size 2, Red I–O–II Type 4/4X PHR2N4X3P	15.70 (398.8) SF400PH10X10	4P BB4P200	Low level AC1NONCMTS400LL ^③	4P TS4MTS200TB		
	4	RMTS4200U								
400	3	RMTS3400U		Size 3, Black I–O–II Type 4/4X PHB3N4X3P	7.90 (200.6) SF200PH15X12	3P BB3P400		3P TS3MTS400TB		
		4			RMTS4400U				12.60 (320.0) SF320PH15X12	4P BB4P400
	4	RMTS3600U			Size 4, Black I–O–II Type 4/4X PHB4N4X3P	15.70 (398.8) SF400PH15X12		4P BB4P600	NO/NC contact standard	3P TS3MTS600
		4				RMTS4600U				
800	3	RMTS3800U	DHMTSDLM	Size 4, Red I–O–II Type 4/4X PHR4N4X3P		3P BB3P1200		3P TS3MTS1200		
	4	RMTS4800U						4P BB4P1200	4P TS4MTS1200	
1200	3	RMTS31200U						3P TS3MTS1200		
	4	RMTS41200U						4P TS4MTS1200		

Notes

- ① All ratings, 100–1200A, are UL 98 listed. Switches rated 600–1200A are UL 1008 listed as well.
- ② Line or load (top or bottom); for both line and load, order two kits.
- ③ Low level auxiliary contact—gold plated for minimal resistance—for PLC applications.

8.4

Rotary Disconnects

Manual Transfer/Double Throw Switches

Accessories

Direct Handle



Ampere Rating	Handle Color	Handle Type	Catalog Number
100–400	Black	Single lever	DHMTSSL
600	Black	Double lever	DHMTSDL
800–1200	Black	Double lever	DHMTSDLM

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PH2 and PH3 Type



External Handle

Description	Ampere Rating	Handle Type	Handle Color	NEMA Type	Lockable in the "3" Positions	Catalog Number
The handle locking function prevents the user from opening the door of the enclosure when the switch is in the "ON" position.	100–200	PH2	Black	4, 4X	Yes	PHB2N4X3P
	100–200	PH2	Red/Yellow	4, 4X	Yes	PHR2N4X3P
Opening the door when the switch is in the "ON" 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 once again closed.	400	PH3	Black	4, 4X	Yes	PHB3N4X3P
	400	PH3	Red/Yellow	4, 4X	Yes	PHR3N4X3P
	600–1200	PH4	Black	4, 4X	Yes	PHB4N4X3P
	600–1200	PH4	Red/Yellow	4, 4X	Yes	PHR4N4X3P

PH4 Type



Shaft Extension



Ampere Rating	Handle Type	Length In (mm)	Catalog Number
100–800	PH1	7.90 (200.6)	SF200PH10X10
125–800	PH1	12.60 (320.0)	SF320PH10X10
100–200	PH2	15.70 (398.8)	SF400PH10X10
630–1200	PH2, PH3	7.90 (200.6)	SF200PH15X12
600–1200	PH2, PH3	12.60 (320.0)	SF320PH15X12
400–1200	PH2, PH3	15.70 (398.8)	SF400PH15X12
800–1200	V1	12.60 (320.0)	SF320V1
800–1200	V1	15.70 (398.8)	SF400V1