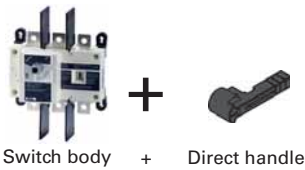
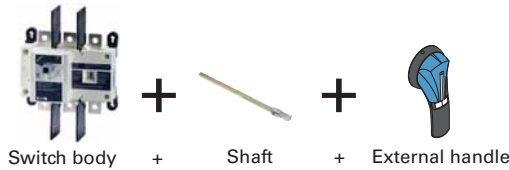


Product Selection

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) SF200PH10X10	1NO + 1NC AC1N0NCDE AC1N0NCDELL	3-pole, Line side only TS3R9DT	LK3R9DL
	4	R9D4100U					3-pole, Load side only TS3R9DB	LK3R9DL
200 (D-Frame)	3	R9D3200U		Size 2, Red 1, 3R, 12 Defeatable PHR2N12F	12.60 (320.0) SF320PH10X10	2NO + 2NC AC2N0NCDE AC2N0NCDELL	4-pole, Line or load side TS4R9DTB	LK4R9DL
	4	R9D4200U					3-pole, Line side only TS3R9ET	LK3R9EM
400 (E-Frame)	3	R9E3400U		Size 2, Black 4, 4X Defeatable PHB2N4XF	15.70 (400.0) SF400PH10X10		3-pole, Load side only TS3R9EB	LK4R9EM
	4	R9E4400U					4-pole, Line or load side TS4R9ETB	
600 (F-Frame)	3	R9F3600U	DHR9FG	Size 3, Black 4, 4X Defeatable PHB3N4XF	7.90 (200.0) SF200PH15X12	1NO AC U Type AC1N0R9 ^②	TS3R9F ^①	LK3R9FN
	4	R9F4600U					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		Size 4, Black 4, 4X Defeatable PHB4N4XF	1.70 (400.0) SF400PH15X12		TS4R9G ^①	
	4	R9G41000U					TS3R9GFS ^④	
1200 (G-Frame)	3	R9G31200U		Size 4, Red 4, 4X Defeatable PHR4N4XF				
	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.
 ④ FS suffix = Finger Safe.

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
	100–400	D/E	PH2	Black	4,4X	Yes	PHB2N4XF
For Dimensions, see Page V5-T8-23 .	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

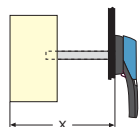


Shaft Extensions for External Front Handle

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
		8.70–13.50 (221.0–343.0)	7.90 (200.6)	SF200PH15X12
	600–1200 (F-, G-Frame)	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.

Front and Right Side Operation, continued

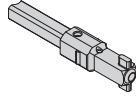


Ampere Rating (Frame) (Fuse Class)	Number of Poles	Switch Body Only	Shaft Extensions for Pistol Handle Only In (mm) (Choose one)	NFPA 79 Kit	Auxiliary Contacts (Choose one)	S Type Auxiliary Contacts (Choose one)	Terminal Shrouds
30 Compact (H-Frame) (CC)	3	R4H3030FCC	7.90 (200.0) SF200PH5X5	NFPA79H	1 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 AC1N01NCJ2N	
	4	R9I4030FCC					
30 (J-Frame) (J)	2	R9J2030FJ	12.60 (320.0) SF320PH10X10			2 AC NO + NC AC2N02NCJ2N	
	3	R9J3030FJ	15.70 (400.0) SF400PH10X10				
	4	R9J4030FJ					
60 ① (J-Frame) (J)	2	R9J2060FJ	19.70 (500.0) SF500PH10X10			1 AC NO + NC w/ TEST AC1N01NCJ2NT	
	3	R9J3060FJ					
	4	R9J4060FJ					
						2 AC NO + NC w/ TEST AC2N02NCJ2NT	

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 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	NFPA79JKL	1 AC NO	1 AC NO + NC	Integral to switch
	3	R9K3060FJ	SF200PH10X10		AC1N0R9	AC1N01NCJ2N	
	4	R9K4060FJ					
100 (K-Frame) (J)	2	R9K2100FJ	12.60 (320.0) Pistol		1 AC NC	2 AC NO + NC	
	3	R9K3100FJ	SF320PH10X10		AC1NCR9	AC2N02NCJ2N	
	4	R9K4100FJ					
200 (L-Frame) (J)	2	R9L2200FJ	15.70 (400.0) Pistol			1 AC NO + NC w/ TEST	TSR9L2
	3	R9L3200FJ	SF400PH10X10			AC1N01NCJ2NT ②	TSR9L3
	4	R9L4200FJ					TSR9L4
400 (M-Frame) (J)	3	R9M3400FJ	19.70 (500.0) Pistol			2 AC NO + NC w/ TEST	TSR9M3
	4	R9M4400FJ	SF500PH10X10			AC2N02NCJ2NT ②	TSR9M4
600 (N-Frame) (J)	2	R9N2600FJ	7.90 (200.0) Pistol	NFPA79N	1 AC NO + NC	1 AC NO + NC	TSR9N2
	3	R9N3600FJ	SF200PH12X12		AC1N01NCJ2N	AC1N01NCJ2N	TSR9N3
	4	R9N4600FJ					TSR9N4
800 (N-Frame) (L)	2	R9N2800FL	12.60 (320.0) Pistol		2 AC NO + NC	2 AC NO + NC	TSR9N2
	3	R9N3800FL	SF320PH12X12		AC2N02NCJ2N	AC2N02NCJ2N	TSR9N3
	4	R9N4800FL	15.70 (400.0) Pistol				TSR9N4
			19.70 (500.0) Pistol				
			SF400PH12X12				
			19.70 (500.0) Pistol				
			SF500PH12X12				

Notes

① 200 kA short-circuit rating.

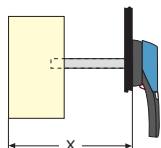
② Requires test handle.

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