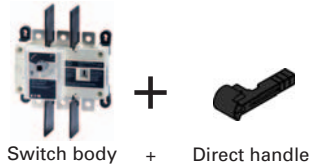
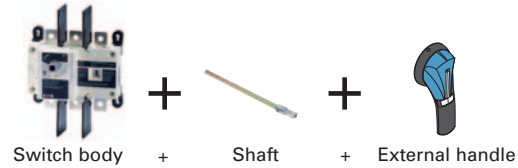


Product Selection

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						
200 (D-Frame)	3	R9D3200U		Size 2, Red 1, 3R, 12 Defeatable PHR2N12F	12.60 (320.0) SF320PH10X10	2NO + 2NC AC2N0NCDE AC2N0NCDELL	3-pole, Load side only TS3R9DB	LK3R9DL
	4	R9D4200U						
400 (E-Frame)	3	R9E3400U		Size 2, Black 4, 4X Defeatable PHB2N4XF	15.70 (400.0) SF400PH10X10		4-pole, Line or load side TS4R9DTB	
	4	R9E4400U						
600 (F-Frame)	3	R9F3600U	DHR9FG	Size 2, Red 4, 4X Defeatable PHR2N4XF	19.70 (500.0) SF500PH10X10		3-pole, Line side only TS3R9ET	LK3R9EM
	4	R9E4400U						
800 (G-Frame)	3	R9G3800U		Size 2, Black 4, 4X Defeatable PHB2N4XF			3-pole, Load side only TS3R9EB	LK4R9EM
	4	R9G4800U						
1000 (G-Frame)	3	R9G31000U		Size 3, Black 4, 4X Defeatable PHB3N4XF	7.90 (200.0) SF200PH15X12	1NO AC U Type AC1N0R9 ^②	4-pole, Line or load side TS4R9ETB	
	4	R9G41000U						
1200 (G-Frame)	3	R9G31200U		Size 3, Red 4, 4X Defeatable PHR3N4XF	12.60 (320.0) SF320PH15X12	1NC AC U Type AC1NCR9 ^②	1NO AC U Type AC1N0R9 ^②	
	4	R9G41200U						
1000 (G-Frame)	3	R9G31000U		Size 3, Red 4, 4X Defeatable PHR3N4XF	1.70 (400.0) SF400PH15X12		1NC AC U Type AC1NCR9 ^②	
	4	R9G41000U						
1200 (G-Frame)	3	R9G31200U		Size 4, Black 4, 4X Defeatable PHB4N4XF	19.7 (500.0) SF500PH15X12		1NO AC U Type AC1N0R9 ^②	
	4	R9G41200U						
1200 (G-Frame)	3	R9G31200U		Size 4, Red 4, 4X Defeatable PHR4N4XF			1NC AC U Type AC1NCR9 ^②	
	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.



Auxiliary Contacts ^①

Description	Ampere Rating (Frame)	Number of AC	AC Type	Catalog Number
100–200A, up to two ACs max. 400A, up to two ACs max.	100–400 (D-, E-Frame)	1NO / 1NC	Standard	AC1NONCDE
		1NO / 1NC	Low Level ^②	AC1NONCDELL
		2NO / 2NC	Standard	AC2NONCDE
		2NO / 2NC	Low Level ^②	AC2NONCDELL
600–1200A, up to four ACs max.	600–1200 (F-, G-Frame)	1NO	Standard	AC1NOR9 ^③
		1NC	Standard	AC1NCR9 ^③
Auxiliary contact holder (for use with AC1NOR9 and AC1NCR9)	600–1200 (F-, G-Frame)	—	—	ACHFG



Terminal Screens

Description	Maximum Ampere Rating (Frame)	Number of Poles	Line/Load Side	Catalog Number
Line and load protection against direct contact with terminals or connection parts. Line side terminal shrouds are included standard on 600–1200A non-fusible switches. Shrouds are not included on the 100–400A.	100–200 (D-Frame)	3	Line	TS3R9DT
		3	Load	TS3R9DB
		4	Line or load	TS4R9DTB
	400 (E-Frame)	3	Line	TS3R9ET
		3	Load	TS3R9EB
	600 (F-Frame)	4	Line or load	TS4R9ETB
		3	Line or load	TS3R9F
	800–1200 (G-Frame)	4	Line or load	TS4R9F
		3	Line or load	TS3R9G
		4	Line or load	TS4R9G



Line and Load Terminal Lugs

Description	Maximum Ampere Rating (Frame)	Number of Poles	Number of Lugs/Pole	Lug Capacity/Phase	Cable Type	Catalog Number
Connection of copper cables on to the terminals (no spade lugs). Each kit includes lugs for line or load side. For line and load side, order two kits. For dimensions, see Page 27.	100–200 (D-Frame)	3	1	#6–300 kcmil	Cu/Al	LK3R9DL
		4	1	#6–300 kcmil	Cu/Al	LK4R9DL
	400 (E-Frame)	3	1	#2–600 kcmil	Cu/Al	LK3R9EM ^④
		4	1	#2–600 kcmil	Cu/Al	LK4R9EM ^④
	600 (F-Frame)	3	1	(2x) #2–600 kcmil	Cu/Al	LK3R9FN
		4	1	(2x) #2–600 kcmil	Cu/Al	LK4R9FN
	800–1200 (G-Frame)	3	2	(2x) #2–600 kcmil	Cu/Al	LK6R9G
		4	2	(2x) #2–600 kcmil	Cu/Al	LK8R9G

Notes

- ① Early-break/same-make.
- ② Gold plated for minimal resistance—for PLC applications.
- ③ Requires use of ACHFG auxiliary contact holder for F- and G-Frame switches.
- ④ For two-hole lug, consult factory.

Switching Devices

Manual Transfer Switches



Bridging Bars

Description	Ampere Rating	Number of Bridging Bars	Catalog Number
Creation of a common point, above or below the switch, between positions I and II.	100–200	3	BB3P200
	100–200	4	BB4P200
	400	3	BB3P400
	400	4	BB4P400
	600	3	BB3P600
	600	4	BB4P600
	800–1200	3	BB3P1200
	800–1200	4	BB4P1200



Terminals Protection Screen

Description	Ampere Rating	Number of Poles	Catalog Number
Top or bottom (line or load) protection against direct contacts with terminal or connecting parts.	100–200	3	TS3MTS200TB
	100–200	4	TS4MTS200TB
	400	3	TS3MTS400TB
	400	4	TS4MTS400TB
	600	6	TS3MTS600
	600	4	TS4MTS600
	800–1200	3	TS3MTS1200
	800–1200	4	TS4MTS1200



Mounting Spacers

Description	Ampere Rating	Number of Poles	Catalog Number
Raises the device's terminals 10 mm away from the bottom of the enclosure or frame on which the device is mounted.	100–400	1 set of 2 spacers	MSP400



Auxiliary Contacts

Description	Ampere Rating	Contact (s)	Catalog Number
Early-break/same-make and signalization per position 1 and 2. Electrical characteristics: A300.	100–400	1NO/NC per position 1 and 2	AC1NONCMTS400
	100–400	1NO/NC per position 1 and 2 low level	AC1NONCMTS400LL ①
	600–1200	1NO/NC per position 1 and 2	Standard



Line and Load Terminal Lugs

Description	Ampere Rating	Connection Type	Number of Poles	Number of Cables/Lug	Lugs per Kit	Cable Type	Catalog Number
Connection of bare copper cables onto the terminals (without spade lugs).	100–200	6–300 kcmil	3	1	3	Cu/Al	LK3R9DL
	100–200	6–300 kcmil	4	1	4	Cu/Al	LK4R9DL
	400	4–600 kcmil	3	1	3	Cu/Al	LK3R9EM
	400	4–600 kcmil	4	1	4	Cu/Al	LK4R9EM
	600	2x (#2–600 kcmil)	3	2	3	Cu/Al	LK3R9FN
	600	2x (#2–600 kcmil)	4	2	4	Cu/Al	LK4R9FN
	800–1200	2x (#2–600 kcmil)	3	2	6	Cu/Al	LK6R9G
	800–1200	2x (#2–600 kcmil)	4	2	8	Cu/Al	LK8R9G

Note

① Gold plated for minimal resistance—for PLC applications.