






UL 98 Fused Rotary Disconnect Switches—30 to 800A

Specifications

					
	RDF30CC-3	RDF30J-3 / RDF60J-3-COMP	RDF60J-3	RDF200J-3	RDF600J-3
Part Number					
2-Pole	—	—	RDF30J-2	RDF60J-2-COMP	RDF60J-2
3-Pole	RDF30CC-3	RDF30J-3-COMP	RDF30J-3	RDF60J-3-COMP	RDF60J-3
3-Pole + Neutral	RDF30CC-3N	RDF30J-3N-COMP	—	—	—
4-Pole	—	—	RDF30J-4	RDF60J-4-COMP	RDF60J-4
UL Standard	UL 489	UL 489	UL 98	UL 98	UL 98
Fuse Class	CC	J	J	J	J
Max Fuse/Ampacity	30	30	30	60	60
Switch Type	Compact	Compact	Standard	Standard	Standard
Handle Operation	Front	Front	Front/Side Flange	Front/Side Flange	Front/Side Flange
UL Electrical Ratings					
Max AC Volts	600Vac	600Vac	600Vac	600Vac	600Vac
Max DC Volts*	—	—	250Vdc	250Vdc	250Vdc
Std AC Horsepower Ratings					
1-Phase, 240Vac	—	—	3	10	10
3-Phase, 240Vac	3	3	3	7.5	7.5
3-Phase, 480Vac	5.0	5.0	5.0	15	15
3-Phase, 600Vac	7.5	7.5	7.5	15	15
Max AC Horsepower Ratings					
3-Phase, 240Vac	7.5	7.5	7.5	15	15
3-Phase, 480Vac	15	15	15	30	30
3-Phase, 600Vac	20	20	20	50	50
DC Horsepower Ratings					
125Vdc	—	—	3	5	5
250Vdc	—	—	5	10	10
Electrical Characteristics					
SCCR	100kA	100kA	200kA	100kA	200kA
Terminal Lugs/Kits	Integral	Integral	Integral	Integral	Integral
Mounting Torque - Lb-In (N·m)	—	—	—	—	—
Wire Type	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu
Wire Range & Torque - Lb-In (N·m)					
Solid	#14-10 27 (3.1)	#14-10 27 (3.1)	#14-10 31 (3.5)	#14-10 31 (3.5)	#12-10 35.4 (4)
Stranded	#14-10 27 (3.1)	#14-10 27 (3.1)	#14-6 31 (3.5)	#14-6 31 (3.5)	#12-1 35.4 (4)
Mechanical Characteristics					
Endurances/Cycles	10,000	10,000	10,000	10,000	10,000
Physical Characteristics					
Dimensions					
See drawings on product pages					
Weight - Lbs (KG)					
2-Pole	—	—	3.0 (1.3)	3.1 (1.4)	4.0 (1.8)
3-Pole	1.3 (0.6)	1.4 (0.6)	3.8 (1.7)	4.1 (1.8)	5.3 (2.4)
3-Pole + Neutral	1.4 (0.6)	1.5 (0.7)	—	—	—
4-Pole	—	—	4.7 (2.1)	4.8 (2.2)	X.X (2.9)
Environmental					
Operating Temp. Range	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
Flammability Rating	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0
Accessories					
Lug Kit	Integral	Integral	Integral	Integral	Integral
Handles					
Direct	•	•	•	•	•
Front Selector	•	•	—	—	—
Front Pistol	•	•	•	•	•
Side Pistol	—	—	•	•	•
Flange					
Cable	—	—	•	•	•
Shaft	—	—	•	•	•
NFPA Through Door Handle	•	•	•	•	•
Shafts c/s - mm	5x5	5x5	10x10	10x10	10x10
Terminal Shrouds	Not Required	Not Required	Not Required	Not Required	Not Required
Auxiliary Contacts					
(1) NO	•	•	•	•	•
(1) NC	•	•	•	•	•
AC Ratings					
Volts	600	600	600	600	600
Amps	10	10	10	10	10

Disconnect
Switches

• Available, see product page for details and part numbers.
— Not available.
* General purpose only, not photovoltaic rated.

UL 98 Fused Rotary Disconnect Switches—600 & 800A

Standard Class J & Class L

For a Complete Assembly, Please Select:

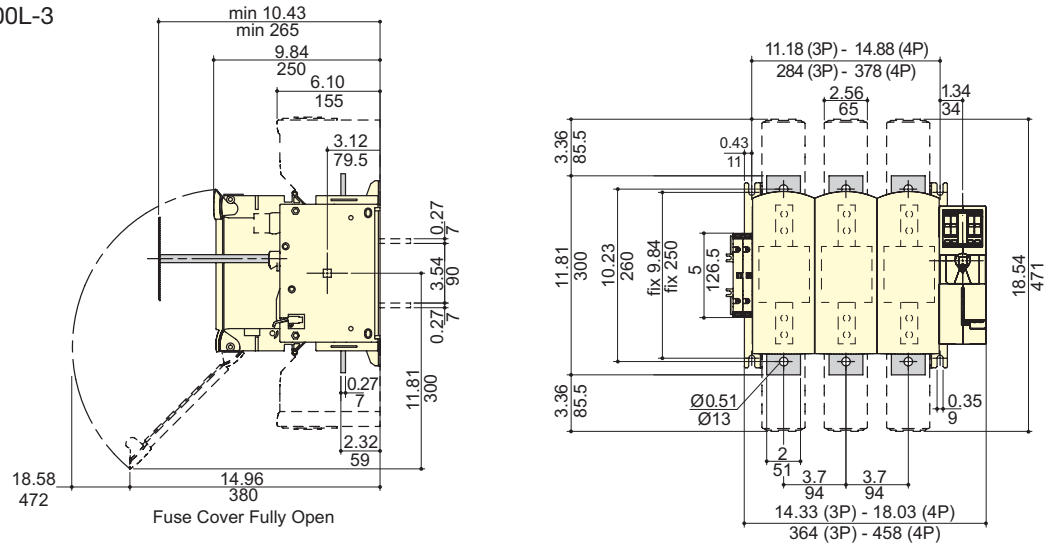
Select for Standard Applications		Switch							
		Amp Rating	Fuse Class	Number of Poles	SCCR	Max Horsepower Rating, 3-Phase			Part Number
						220/240Vac	440/480Vac	600Vac	
		600	J	2	200kA	-	-	-	RDF600J-2
		600	J	3	200kA	200	400	500	RDF600J-3
		600	J	4	200kA	200	400	500	RDF600J-4
		800	L	2	200kA	-	-	-	RDF800L-2
		800	L	3	200kA	200	500	500	RDF800L-3
		800	L	4	200kA	200	500	500	RDF800L-4
		Terminal Lug Kit							
Switch Amp Rating	Number of Poles	Lugs Per Kit	Wire Range			Wire Type	Part Number		
600-800	2	2	(2) #2-600MCM			75°C Cu/Al	LUG5-2		
600-800	3	3	(2) #2-600MCM			75°C Cu/Al	LUG5-3		
600-800	4	4	(2) #2-600MCM			75°C Cu/Al	LUG5-4		
+									
HANDLE		Direct Mount Handle - mounts directly to switch, no shaft required						Part Number	
		For Switch Part Number	Color	Test Function	Padlockable				
		All Switches	Black	Y	Y			DIR-08	
		OR							
		External Front Operated Pistol Handles - shaft required						Part Number	
		NEMA Type	Color	Test Function	Padlockable	Defeatable			
		1, 3R, 4, 4X, 12	Black	N	Y	Y			H4X-07B
		1, 3R, 4, 4X, 12	Red/Yellow	N	Y	Y			H4X-07R
		Metallic Hasp (Heavy Duty) External Front Operated Pistol Handles - shaft required						Part Number	
		NEMA Type	Color	Test Function	Padlockable	Defeatable			
1, 3R, 4, 4X, 12	Black	N	Y	Y			H4X-07BHD		
1, 3R, 4, 4X, 12	Red/Yellow	N	Y	Y			H4X-07RHD		
Shafts for Pistol Handles							Part Number		
Length in (mm)	Mounting Depth (X) in (mm)								
7.9 (200)	10.63~11.97 (270~304)						SH7-200		
12.6 (320)	10.63~16.69 (270~424)						SH7-320		
15.7 (400)	10.63~19.84 (270~504)						SH7-400		
OR									
Accessories		NFPA Through the Door Handle Kit - to be used with front pistol handle						Part Number	
		For Switch Part Number	Color	Test Function	Padlockable	Defeatable			
		All Switches	Red	N	Y	N			H79-4
		and ...							
		Auxiliary Contacts						Part Number	
		Contact Type	Number of Contacts	Continuous Amp Rating	Voltage Rating	Max Number of Aux Contacts per Switch			
		NO	1	10A	600Vac	8		BAC05	
		NC	1	10A	600Vac	8		BAC06	
		and ...							
		SHROUDS		Terminal Shrouds - includes terminal shroud for lineside or loadside					
Switch Amp Rating	Number of Poles								
600-800	2							TSH10-2TB	
600-800	3							TSH10-3TB	
600-800	4					TSH10-4TB			

UL 98 Fused Rotary Disconnect Switches—600 & 800A

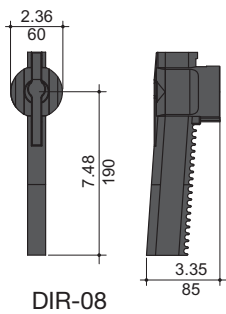
Standard Class J & Class L

Dimensions – in (mm)

- RDF600J-3 • RDF800L-3

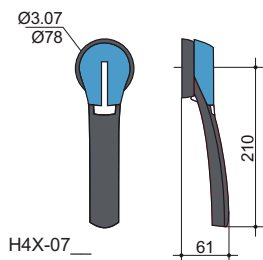


Direct Mount Handle

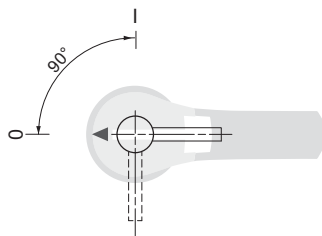


External Front Pistol Handle

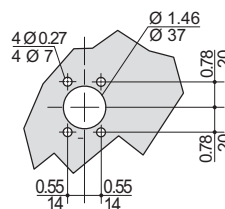
Handle Type



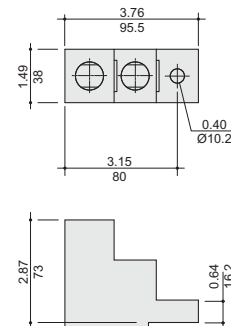
Direction of Front Operation



Door Drilling Layout



Terminal Lugs



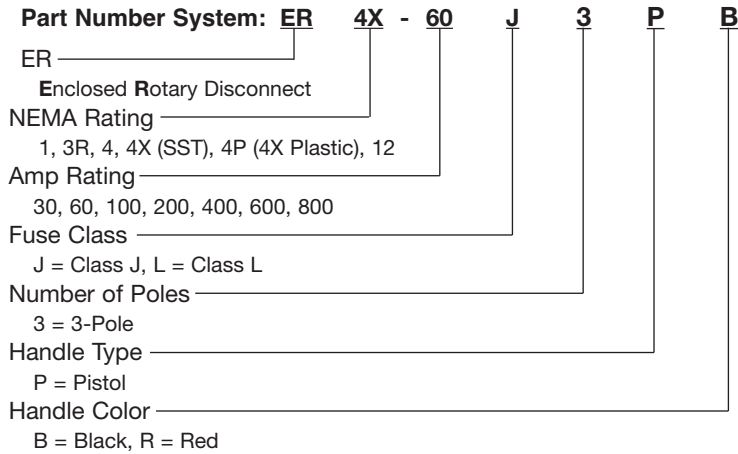
600 to 800A

LUG5-__

Disconnect
Switches

UL 98 Enclosed Fused Disconnects—30 to 800A

3-Pole UL 98 600Vac



Part Numbers - All part numbers provided with integral or installed lugs and a black selector handle. Order red/yellow handle by changing the suffix "B" to "R."

UL General Purpose Amp Rating	Fuse Type	NEMA Enclosure Type & Part Number					
		1	3R	4	4X Plastic ⁽¹⁾	4X Stainless	12
30	J	ER1-30J3PB	ER3R-30J3PB	ER4-30J3PB	ER4P-30J3PB	ER4X-30J3PB	ER12-30J3PB
60	J	ER1-60J3PB	ER3R-60J3PB	ER4-60J3PB	ER4P-60J3PB	ER4X-60J3PB	ER12-60J3PB
100	J	ER1-100J3PB	ER3R-100J3PB	ER4-100J3PB	ER4P-100J3PB	ER4X-100J3PB	ER12-100J3PB
200	J	ER1-200J3PB	ER3R-200J3PB	ER4-200J3PB	ER4P-200J3PB	ER4X-200J3PB	ER12-200J3PB
400	J	ER1-400J3PB	ER3R-400J3PB	ER4-400J3PB	ER4P-400J3PB	ER4X-400J3PB	ER12-400J3PB
600	J	ER1-600J3PB	ER3R-600J3PB	ER4-600J3PB	ER4P-600J3PB	ER4X-600J3PB	ER12-600J3PB
800	L	ER1-800L3PB	ER3R-800L3PB	ER4-800L3PB	ER4P-800L3PB	ER4X-800L3PB	ER12-800L3PB

(1) Enclosures ≤100A are polycarbonate, flammability rating UL 94-5VA-V0, ≥200A are fiberglass, flammability rating UL 94-5V.

Switch Ratings - for wire types, ranges and tightening torques, see table on page 387

Switch Amp Rating	Disconnect Switch	Fuse Type	No. of Poles	Voltage		SCCR @ Vac	Max Hp Rating @ 600Vac
				Vac	Vdc		
30	RDF30J-3	J	3	600	250	200kA	20
60	RDF60J-3	J					50
100	RDF100J-3	J					75
200	RDF200J-3	J					150
400	RDF400J-3	J					350
600	RDF600J-3	J					600
800	RDF800L-3	L					