

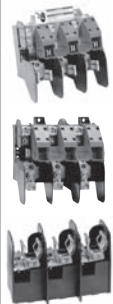
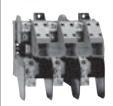

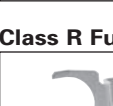

Field Modification Kits

NEMA Accessories


• Revised •
01/09/17

Selection


Fused and Non-Fused Disconnect Switch Kits^②

	Basic Switch Ampere Rating	Switch Catalog Number Non-Fused	List Price \$	Switch Catalog Number Fused	List Price \$	Kit Description	Load Base Catalog Number Class J	List Price \$	Load Base Catalog Number Class H ^③	List Price \$	Lug Wire Size
	30	HNB612		HFB21		30A, 250V	—	—	HBB21		#14-2 AWG (Cu/Al)
				HFB612		30A, 600V	HBB612		HBB612		
	60	HNB623		HFB22		60A, 250V	—	—	HBB22		#14-2 AWG (Cu/Al)
				HFB62		60A, 600V	HBB62		HBB62		
	100	HNB623		HFB63		100A, 250V	—	—	HBB63		#14-1/0 AWG (Cu/Al)
						100A, 600V	HBB63				
	200	HNB64		HFB64		200A, 250V	—	—	HBB64		#6-300 AWG (Cu/Al)
						200A, 600V	HBB64				

Class R Fuse Conversion Kits

	Catalog Number	Description	List Price \$
	HR21	30A, 240V	
	HR612	30A, 600V	
	HR612	60A, 240V	
	HR62	60A, 600V	
	HR63	100A, 240/600V	
	HR64	200A, 240/600V	

Hazardous Location Accessories For Enclosure Types 7 & 9

		Description	Conduit Size Inches	Catalog Number	List Price \$
Breather/Drain		Install in bottom as drain. Install in top as breather. Suitable for Class I groups C & D and for Class II groups F & G applications only. for 1/2" NPT.		51AADB	

^① Product Category: PILO.
^② Product Category: HDSS.

^③ For Class R fuses order Class H kit from this table and the Class R conversion kit.

Selection

Table 1a - FVNR Combination Starter Kits for use with Disconnect Devices

Starter Size	Disc. Amp Rating	NEMA 1 General Purpose		NEMA 12, 3/3R, 4 Painted ^① Industrial Use, Weatherproof, Watertight, Dust-tight		NEMA 4/4X Stainless Steel Watertight, Dust-tight, Corrosion Resistant	
		Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
0 - 2	60	49EC17BB241108R		49EC17BN241108R		49EC17BW241108R	
2 ½ - 3	100	49EC17CB242008R		49EC17CN242008R		49EC17CW242008R	
3 ½ - 4	200	49EC17FB362408R		49EC17FN362408R		49EC17FW362408R	

Table 1b. – FVNR Combination Starter Kits for use with MCP Devices

Starter Size	Max MCP Amps	NEMA 1 General Purpose		NEMA 12, 3/3R, 4 Painted ^① Industrial Use, Weatherproof, Watertight, Dust-tight		NEMA 4/4X Stainless Steel Watertight, Dust-tight, Corrosion Resistant	
		Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
0 - 2	50	49EC18DB241108R		49EC18DN241108R		49EC18DW241108R	
2 ½ - 3	125	49EC18DB242008R		49EC18DN242008R		49EC18DW242008R	
3 ½	125	49EC18DB362408R		49EC18DN362408R		49EC18DW362408R	
4	150	49EC18EB362408R		49EC18EN362408R		49EC18EW362408R	

Table 2a – Non-Fusible Disconnect Kits

Disconnect Switch		
Switch Rating	Catalog Number	List Price \$
30A	HNB612	
60A	HNB623	
100A	HNB623	
200A	HNB64	



Table 2b – Fusible Disconnect Kits

Fuse Clip Ratings	Class	Disconnect Switch		Load Base for Fuse		Rejection Clips for Class R Fusing	
		Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
30A-250V	H	HFB21		HBB21		HR21	
30A-600V	H	HFB612		HBB612		HR612	
60A-250V	H	HFB22		HBB22		HR612	
60A-600V	H	HFB62		HBB62		HR62	
100A-250V	H	HFB63		HBB63		HR63	
100A-600V	H	HFB63		HBB63		HR63	
200A-250V	H	HFB64		HBB64		HR64	
200A-600V	H	HFB64		HBB64		HR64	

Table 3 – Circuit Breaker Kits

Starter Size	MCP Type Used with Solid State Overload Relay			MCP Type Used with Thermal Overload Relay	
	Overload Amp Range	Motor Circuit Interrupter Amps	Circuit Breaker Kit	Motor Circuit Interrupter Amps	Circuit Breaker Kit
0	0.75-3.4	3	ED63A003	3	ED63A003
	3-12	10	ED63A010	10	ED63A010
	5.5-22	25	ED63A025	25	ED63A025
1	0.75-3.4	3	ED63A003	3	ED63A003
	3-12	10	ED63A010	10	ED63A010
	5.5-22	25	ED63A025	25	ED63A025
	10-40	30	ED63A030	30	ED63A030
1 ½	10-40	40	ED63A040	40	ED63A040
2	13-52	50	ED63A050	50	ED63A050
2 ½	25-100	100	ED63A100	100	ED63A100
3	25-100	100	ED63A100	100	ED63A100
3 ½	50-200	125	ED63A125	125	ED63A125
4	50-200	150	FXD63A150L	150	FXD63A150L

^① For conduit hubs and conversion instructions, see page 9/110.

Heavy Duty Control Class 87 Pump Panel Enclosure Kits

Selection



Ordering Information

- ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order.
- ▶ Refer to Class 87 section of catalog for pump panel ratings and other details.
- ▶ Handle mechanism, power wire, mounting panel, reset assembly and instruction guide are included with the enclosure kit.

Coil Table

60Hz Voltage	Letter
24	J
120	F
110–120/220–240	A [ⓐ]
200–208	D
220–240	G
220–240/440–480	C [ⓐ]
277	L
440–480	H
550–600	E

Pump Panels with Solid-State Overload Relay Class 87


To Field Assemble This Pump Panel:	Order these components						Enclosure List Price \$
	Enclosure Catalog Number	Starter with Solid-State Overload Relay	Disconnect Switch	Fuse Load Base	Class R Rejection Clips	Motor Circuit Interrupter	
87DUB6F*	49EB87GF242008	14DUB32A*	HFB612	HBB612	HR612	—	
87DUC6F*	49EB87GF242008	14DUC32A*	HFB612	HBB612	HR612	—	
87DUD6F*	49EB87GF242008	14DUD32A*	HFB612	HBB612	HR612	—	
87DUD60*	49EB87GF242008	14DUD32A*	HFB62	HBB62	HR62	—	
87EUE6F*	49EB87GF242008	14EUE32A*	HFB612	HBB612	HR612	—	
87EUE60*	49EB87GF242008	14EUE32A*	HFB62	HBB62	HR62	—	
87FUF6F*	49EB87GF242008	14FUF32A*	HFB62	HBB62	HR62	—	
87FUF60*	49EB87GF242008	14FUF32A*	HFB63	HBB63	HR63	—	
87GUG6F*	49EB87GF242008	14GUG32A*	HFB62	HBB62	HR62	—	
87GUG60*	49EB87GF242008	14GUG32A*	HFB63	HBB63	HR63	—	
87HUG6F*	49EB87JF362408	14HUG32A*	HFB63	HBB63	HR63	—	
87HUG60*	49EB87JM362408	14HUG32A*	MCS620R	FCK620	SSRK34	—	
87IUH6F*	49EB87JM362408	14IUH32A*	MCS620R	FCK620	SSRK34	—	
87JUH6F*	49EB87JM362408	14JUH32A*	MCS620R	FCK620	SSRK34	—	
87DUC6L*	49EB87GF242008	14DUC32A*	HFB21	HBB21	HR21	—	
87DUD6L*	49EB87GF242008	14DUD32A*	HFB21	HBB21	HR21	—	
87DUE6L*	49EB87GF242008	14DUE32A*	HFB21	HBB21	HR21	—	
87DUE6P*	49EB87GF242008	14DUE32A*	HFB22	HBB22	HR612	—	
87EUE6L*	49EB87GF242008	14EUE32A*	HFB22	HBB22	HR612	—	
87FUF6L*	49EB87GF242008	14FUF32A*	HFB22	HBB22	HR612	—	
87FUF6P*	49EB87GF242008	14FUF32A*	HFB63	HBB63	HR63	—	
87GUG6L*	49EB87GF242008	14GUG32A*	HFB22	HBB22	HR612	—	
87GUG6P*	49EB87GF242008	14GUG32A*	HFB63	HBB63	HR63	—	
87HUG6L*	49EB87JF362408	14HUG32A*	HFB63	HBB63	HR63	—	
87HUG6P*	49EB87JM362408	14HUG32A*	MCS620R	FCK620	SSRK34	—	
87IUH6L*	49EB87JM362408	14IUH32A*	MCS620R	FCK620	SSRK34	—	
87JUH6L*	49EB87JM362408	14JUH32A*	MCS620R	FCK620	SSRK34	—	
87DUB6M*	49EB87GB242008	14DUB32A*	—	—	—	ED63A003	
87DUC6M*	49EB87GB242008	14DUC32A*	—	—	—	ED63A010	
87DUD6M*	49EB87GB242008	14DUD32A*	—	—	—	ED63A025	
87DUE6M*	49EB87GB242008	14DUE32A*	—	—	—	ED63A030	
87EUE6M*	49EB87GB242008	14EUE32A*	—	—	—	ED63A040	
87FUF6M*	49EB87GB242008	14FUF32A*	—	—	—	ED63A050	
87GUG6M*	49EB87GB242008	14GUG32A*	—	—	—	ED63A100	
87HUG6M*	49EB87IB362408	14HUG32A*	—	—	—	ED63A100	
87IUH6M*	49EB87IB362408	14IUH32A*	—	—	—	ED63A125	
87JUH6M*	49EB87JB362408	14JUH32A*	—	—	—	FXD63A150L	

ⓐ Dual voltage coils not available in size 5-8 starters.

Heavy Duty Control Class 87 Pump Panel Enclosure Kits

• Revised •
06/29/16

Selection

	Ordering Information <ul style="list-style-type: none"> ▶ Replace the (*) with a letter from the coil table. Dual voltage coils are wired on high voltage unless specified on order. ▶ Refer to Class 87 section of catalog for pump panel ratings and other details. ▶ Handle mechanism, power wire, mounting panel, reset assembly and instruction guide are included with the enclosure kit. 	Coil Table	
		60Hz Voltage	Letter
		24	J
		120	F
		110–120/220–240	A ^①
		200–208	D
		220–240	G
		220–240/440–480	C ^①
		277	L
		440–480	H
		550–600	E

Pump Panels with Bimetal Overload Relay Class 87

To Field Assemble This Pump Panel:	Order these components						Enclosure List Price \$
	Enclosure Catalog Number	Starter with Bimetal Overload Relay	Disconnect Switch	Fuse Load Base	Class R Rejection Clips	Motor Circuit Interrupter	
87DAE6F*	49EB87GF242008	14DP32A*81	HFB612	HBB612	HR612	—	
87DAE60*	49EB87GF242008	14DP32A*81	HFB62	HBB62	HR62	—	
87EAF6F*	49EB87GF242008	14EP32A*81	HFB612	HBB612	HR612	—	
87EAF60*	49EB87GF242008	14EP32A*81	HFB62	HBB62	HR62	—	
87FAJ6F*	49EB87GF242008	14FP32A*81	HFB62	HBB62	HR62	—	
87FAJ60*	49EB87GF242008	14FP32A*81	HFB63	HBB63	HR63	—	
87GAK6F*	49EB87GF242008	14GP32A*81	HFB62	HBB62	HR62	—	
87GAK60*	49EB87GF242008	14GP32A*81	HFB63	HBB63	HR63	—	
87HAN6F*	49EB87JF362408	14HP32A*81	HFB63	HBB63	HR63	—	
87HAN60*	49EB87JM362408	14HP32A*81	MCS620R	FCK620	SSRK34	—	
87IAP6F*	49EB87JM362408	14IP32A*81	MCS620R	FCK620	SSRK34	—	
87JAR6F*	49EB87JM362408	14JG32A*81	MCS620R	FCK620	SSRK34	—	
87DAE6L*	49EB87GF242008	14DP32A*81	HFB21	HBB21	HR21	—	
87DAE6P*	49EB87GF242008	14DP32A*81	HFB22	HBB22	HR612	—	
87EAG6L*	49EB87GF242008	14EP32A*81	HFB22	HBB22	HR612	—	
87FAJ6L*	49EB87GF242008	14FP32A*81	HFB22	HBB22	HR612	—	
87FAJ6P*	49EB87GF242008	14FP32A*81	HFB63	HBB63	HR63	—	
87GAL6L*	49EB87GF242008	14GP32A*81	HFB63	HBB63	HR63	—	
87HAN6L*	49EB87JF362408	14HP32A*81	HFB63	HBB63	HR63	—	
87HAN6P*	49EB87JM362408	14HP32A*81	MCS620R	FCK620	SSRK34	—	
87IAP6L*	49EB87JM362408	14IP32A*81	MCS620R	FCK620	SSRK34	—	
87JAR6L*	49EB87JM362408	14JG32A*81	MCS620R	FCK620	SSRK34	—	
87DAA6M*	49EB87GB242008	14DP32A*81	—	—	—	ED63A003	
87DAB6M*	49EB87GB242008	14DP32A*81	—	—	—	ED63A010	
87DAD6M*	49EB87GB242008	14DP32A*81	—	—	—	ED63A025	
87DAE6M*	49EB87GB242008	14DP32A*81	—	—	—	ED63A030	
87EAF6M*	49EB87GB242008	14EP32A*81	—	—	—	ED63A040	
87EAG6M*	49EB87GB242008	14EP32A*81	—	—	—	ED63A050	
87FAH6M*	49EB87GB242008	14FP32A*81	—	—	—	ED63A040	
87FAJ6M*	49EB87GB242008	14FP32A*81	—	—	—	ED63A050	
87GAK6M*	49EB87GB242008	14GP32A*81	—	—	—	ED63A050	
87GAL6M*	49EB87GB242008	14GP32A*81	—	—	—	ED63A100	
87HAN6M*	49EB87IB362408	14HP32A*81	—	—	—	ED63A100	
87IAP6M*	49EB87IB362408	14IP32A*81	—	—	—	ED63A125	
87JAR6M*	49EB87JB362408	14JG32A*81	—	—	—	FXD63A150L	

① Dual voltage coils not available in size 5-8 starters.

② For NO/NC SPDT contact on overload, replace "81" with "91". "81" will give a NC contact.