



WELL-GUARD® Pump Panels

Full Voltage Type, Type NS, SS, XS

Class 8940 / Refer to Catalog [8940CT9701](#)



Motor Logic SSOLR are designed to protect 50/60 hertz three-phase AC motors from overload, phase unbalance and phase loss conditions. Open Delta systems or grounded B-phase systems are difficult to balance and could cause the Motor Logic SSOLR to trip. For applications of this nature, it is recommended that bi-metallic overload relays (Form B12) be used.

Class 8940 Type NS, SS, and XS panels in NEMA 3R enclosures are specifically designed for pumping applications. Extra space is provided for field installation of auxiliary equipment.

- Type S Contactor provided as standard
- Approved for submersible pump applications
- Class 10 Motor Logic® SSOLR through 200 hp–480 V, 100 hp–240 V, Type SS only
- All prices include a START push button and a HAND-OFF-AUTO selector switch
- Adjustable trip current
- Phase failure sensitive through 200 hp–480 V, 100 hp–240 V, Type SS only
- Ambient temperature compensated overload
- All devices are UL Listed, and marked "SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT"



Type SSD4030

Type SSE4050

Table 16.249: **3-Pole Polyphase—480 Vac Maximum
(50–60 Hz)—Fusible^a**

Volts
Maximum Hp

Coil
Voltage^b
Fuse Clip
Amperes^c
Type

\$ Price

240
3, 5, 7-1/2
10, 15
20, 25, 30
40, 50
75
100
100
200
250
300
240-60

220-50
30
60
100
200

LAL36250^e

400

LAL36350^e

MAL36700^e

MAL36800^e

MAL361000^e

[SSC2007](#)^d

[SSD2015](#)^d

[SSE2030](#)^d

[SSF2050](#)^d

XSG2075^{b,f}

SSG2100^d

[XSG2100](#)^b

XSH2200^{b,f}

XSJ2250^b

XSJ2300^b

1335.
1653.
2796.
5145.
13260.
10857.
13260.
28755.
38763.
38763.

480
3, 5, 7-1/2, 10
15, 20, 25
30
40, 50
60, 75, 100
150
200
200
300
350
400

600
 480-60

 440-50
 30
 60
 60
 100
 200
 LAL36250^e
 400
 LAL36350^e
 MAL36500^e
 MAL36600^e
 MAL36700^e
 MAL36800^e
 MAL361000^e
[SSC4010^d](#)
[SSD4025^d](#)
[SSD4030^d](#)
[SSE4050^d](#)
[SSF4100^d](#)
 XSG4150^{b,f}
[SSG4200^d](#)
 XSG4200^b
 XSH4300^{b,f}
 XSH4350^{b,f}
 XSH4400^{b,f}
[XSJ4500^b](#)
[XSJ4600^b](#)

1335.
 1653.
 2225.
 2796.
 5145.
 13260.
 10857.
 13260.
 28755.
 28755.
 28755.
 38763.
 38763.

Table 16.250: 3-Pole Polyphase—480 Vac Maximum (50-60 Hz)—Circuit Breaker

Volts
Max. Hp
Polyphase
Coil
Voltage^b
Circuit
Breaker^g
Type

\$ Price

240
 25
 240-60
 220-50

[XSE2025V03](#)

FAL3610018M

	30	XSE2030V03	3066.
	40	XSE2040V03	3066.
KAL3625026M			
	50	XSF2050V03	5100.
KAL3625029M			
	480		5505.
	40		
	480-60		
FAL3610018M	440-50	XSE4040V06	
			3066.
	50	XSE4050V06	
			3066.
KAL3625025M	60	XSE4060V06	
			4889.
	75	XSE4075V06	
			5100.
KAL3625029M	100	XSF4100V06	
			5505.

- a** To substitute an IEC ambient compensated bimetallic overload relay (up to size 5) for the MOTOR LOGIC SSOLR, request Form B12 and state motor hp (no charge). This applies to the above (SSx) devices only.
- b** See page [16-87](#) for coil voltage codes and pricing.
- c** Fuse clips are sized for use with dual-element time-delay fuses.
- d** Voltage code not required for 240 V or 480 V common control with 8940SS controllers.
- e** Circuit breaker disconnect supplied. (See page 7-31 for circuit breaker adjustment range.)
- f** Types XSG and XSH panels include a three-unit overload relay. Thermal units must be ordered separately at **\$14.30** each; see page [16-129](#) for selection information.
- g** See page 7-31 for circuit breaker adjustment range.

Table 16.251: Class 8940—UL Listed Short Circuit Ratings
Thermal Magnetic Circuit Breaker Type

NEMA
Size
Voltage
Enclosure
Available Amperes
RMS Symmetrical
0-3
600
Standard
5,000
4 & 5
600
Standard
10,000
6
600
Standard
18,000
7

0-400
Standard
30,000
7
481-600
Standard
22,000

- h Standard enclosure includes non-oversize NEMAs 1, 4 & 4X Stainless, and 12.

Table 16.252: Class 8940—UL Listed Short Circuit Ratings

NEMA Size	NEMA Fuse Class	Enclosure Available	Amperes RMS Symmetrical
0-3	Class H or K	Standard	5,000
0-3	Class R	Standard	100,000
0-2	Class H or K	Standard	5,000
0-2	Class R	Standard	100,000
4-5	Class H or K	Standard	10,000
4-5	Class R	Standard	100,000
6	Class H or K	Standard	18,000
6	Class R	Standard	100,000

For How to Order Information, see page [16-11](#).

CP1 Discount Schedule

Modified
8/14/07



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