



Type SSD4030



Type SSE4050

Class 8940 Type SS, XS Selection

Class 8940 Type 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
- Motor Logic™ Class 10/20 (Selectable) SSOLR through 200 hp–480 V, 100 hp–240 V. Included in the catalog number for Type SS (the H30 suffix is not required). (Includes rubber boot.)
- 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 For Use As Service Equipment”

NOTE: Motor Logic™ SSOLRs are designed to protect 50/60 Hz, three-phase AC motors from overload 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 bimetallic overload relays (Form B12) be used.

Table 16.270: 3-Pole Polyphase—480 Vac Maximum (50–60 Hz)—Fusible or Thermal-Magnetic Circuit Breaker [1]

Volts	Maximum Hp Polyphase	Coil Voltage	Fuse Clip (A) [2]	Type
240	3, 5, 7.5	240–60 220–50	30	SSC2007 [4][5]
	10, 15		60	SSD2015 [4][5]
	20, 25, 30		100	SSE2030 [4]
	40, 50		200	SF2050 [4]
	75		LLS36400U31X [3]	XSG2075 [6]
	100		400	SSG2100 [4]
	100		LLS36600U31X [3]	XSG2100 [6]
	200		MJL36800 [3]	XSH2200 [6]
	250, 300		PLL34120 [3]	XSJ2300 [6]
	480		3, 5, 7-1/2, 10	480–60 440–50
15, 20, 25		60	SSD4025 [4][5]	
30		60	SSD4030 [4][5]	
40, 50		100	SSE4050 [4]	
60, 75, 100		200	SF4100 [4]	
150		LLS36400U31X [3]	XSG4150 [6]	
200		400	SSG4200 [4]	
200		LLS36600U31X [3]	XSG4200 [6]	
300, 350, 400		MJL36800 [3]	XSH4400 [6]	
500, 600		PLL34120 [3]	XSJ4600 [6]	

Table 16.271: 3-Pole Polyphase—480 Vac Maximum (50–60 Hz)—Electronic Motor Circuit Protector (MCP)

Volts	Max. Hp Polyphase	Coil Voltage [6]	Circuit Breaker [7]	Type
240	30	240–60 220–50	HLL36100M73	XSE2030V03H30
	40		JLL36250M75	XSE2040V03H309 [8]
	50		JLL36250M75	XSF2050V03H30
480	40	480–60 440–50	HLL36100M73	XSE4040V06H30
	50		JLL36250M75	XSE4050V06H30
	75		JLL36250M75	XSE4075V06H309 [8]
	100		JLL36250M75	XSF4100V06H30

Table 16.272: Class 8940—UL Listed Short Circuit Ratings

NEMA Size	NEMA Fuse Class or Voltage	Enclosure	Available Amperes RMS Symmetrical
Fusible Type			
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
Thermal-Magnetic Circuit Breaker Type			
0–5	0–480 V	Standard	100,000
6, 7	0–480 V	Standard	65,000

NOTE: Standard enclosures include non-oversize NEMA 1, 4 & 4X Stainless, and 12.

For How to Order information, see page 16-30.

[1] 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.
 [2] Fuse clips are sized for use with dual-element time-delay fuses.
 [3] Circuit breaker disconnect supplied. (See Section 7 for circuit breaker adjustment range.)
 [4] A voltage code is not required for 240 V or 480 V common control with 8940SS controllers.
 [5] To select a Motor Logic SSOLR with an FLA lower than the standard NEMA sizing, use the four-character Form H30. See page 16-119.
 [6] See Table 16.273 for coil voltage codes.
 [7] See page 7-32 for circuit breaker adjustment range.
 [8] FLA is 45–135.