

Thermal Overload Relays – NEMA Rated Solid State Overload Relay, Motor Logic™ Feature Base Unit

Feature Unit relays include all of the features found on the Base Unit relays plus: switch selectable trip class; Class II ground fault detection; and direct replacement for Type S melting alloy. These relays will also accept the Analog Output Module or Seriplex® communication module. Electrical remote reset is also available.

Feature Unit: For Separate Mounting Solid State Overload Relay 600 Volts AC Maximum

Size (3 Pole)	Full Load Current Range (Amperes)	Open Type
		Trip Class 10/20
00 _B ■	1.5 – 4.5	SFB20
00 _C ■	3 – 9	SFC20
0 ■	6 – 18	SF020
1 ■	9 – 27	SF120
2	15 – 45	SF220
3	30 – 90	SF320
4	45 – 135	SF420
5♦	90 – 270	SF520

■ Size 00_B, 00_C, 0, and 1 are supplied without lugs. Lower amperage loads can be protected by looping of power wires.

♦ Size 5 is a complete drop-in replacement for Square D NEMA Type "S" melting alloy, bimetallic, and Y500 overload relays **only**.

Feature Unit: Replacement SSOLR for Retrofit of Square D Type S Starter Solid State Overload Relay – 600 Volts AC Maximum

Locate 8536 Starter in this column	NEMA Size	Full Load Current Range (Amperes)	Order Class 9065 Overload from this column
			Open Type
			Trip Class 10/20
SA	00 _B ▼	1.5 – 4.5	SFB20
SA	00 _C ▼	3 – 9	SFC20
SB	0 ▼	6 – 18	SF020
SC	1 ▼	9 – 27	SF120
SD	2	15 – 45	ST220
SE	3	30 – 90	ST320
SF	4	45 – 135	ST420
SG	5★	90 – 270	ST520
SH	6★	180 – 540	ST620
SJ	7★	270 – 810	ST720

▼ Size 00_B, 00_C, 0, and 1 are supplied without lugs. Lower amperage loads can be protected by looping of power wires.

★ Size 5, 6 and 7 Replacement Overloads are only for existing NEMA Type "S" starters with Motor Logic™. External CTs and additional components are not included.

Additional Standard Features

- Self-powered
- Repeat trip accuracy: +/- 2%
- Normally closed trip contact
- Visible trip indication
- Trip free operation
- Ambient insensitivity
- Harmonic immunity
- Thermal memory
- Trip test function
- Ground fault detection
- 3 Second trip on phase imbalance ≥25% (see Page 13)

Optional Features

- Auxiliary contacts
- Electrical remote reset
- Lug-Lug kits for separate mounting
- DIN rail adapter bracket
- Lug-Extender kit for retrofit (00_B, 00_C, 0, 1)
- 4-20 mADC, analog output module
- Seriplex® communication module

