



Reversing motor starter with motor circuit protector  
NEMA controller size 6  
3-Phase, 3-Pole  
Maximum voltage rating 600VAC  
Max Hp 60Hz: 150@200V; 200@230V; 400@460V; 400@575V  
Solid-state overload relay(s) with 160 - 630A range  
Control voltage 110-127V 50-60Hz/DC  
NEMA Type 1 enclosure

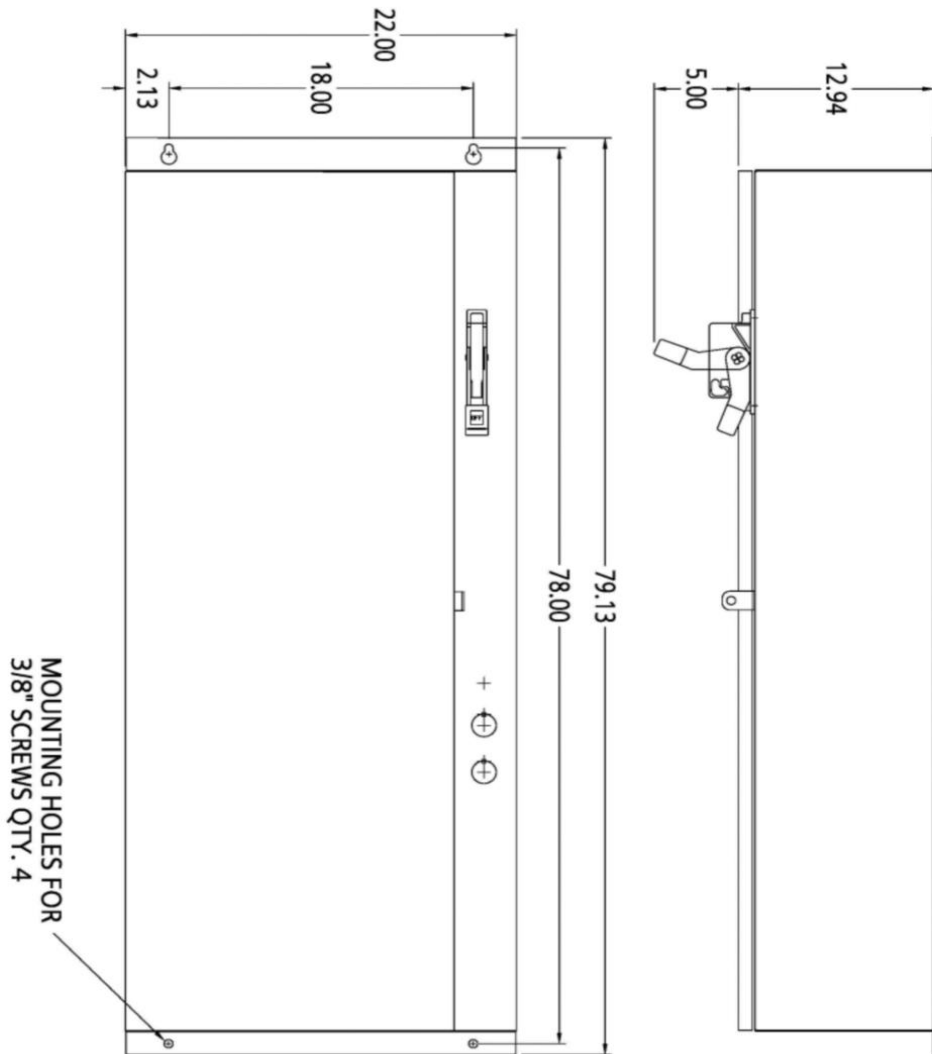


Image is representative and may not depict the actual product.

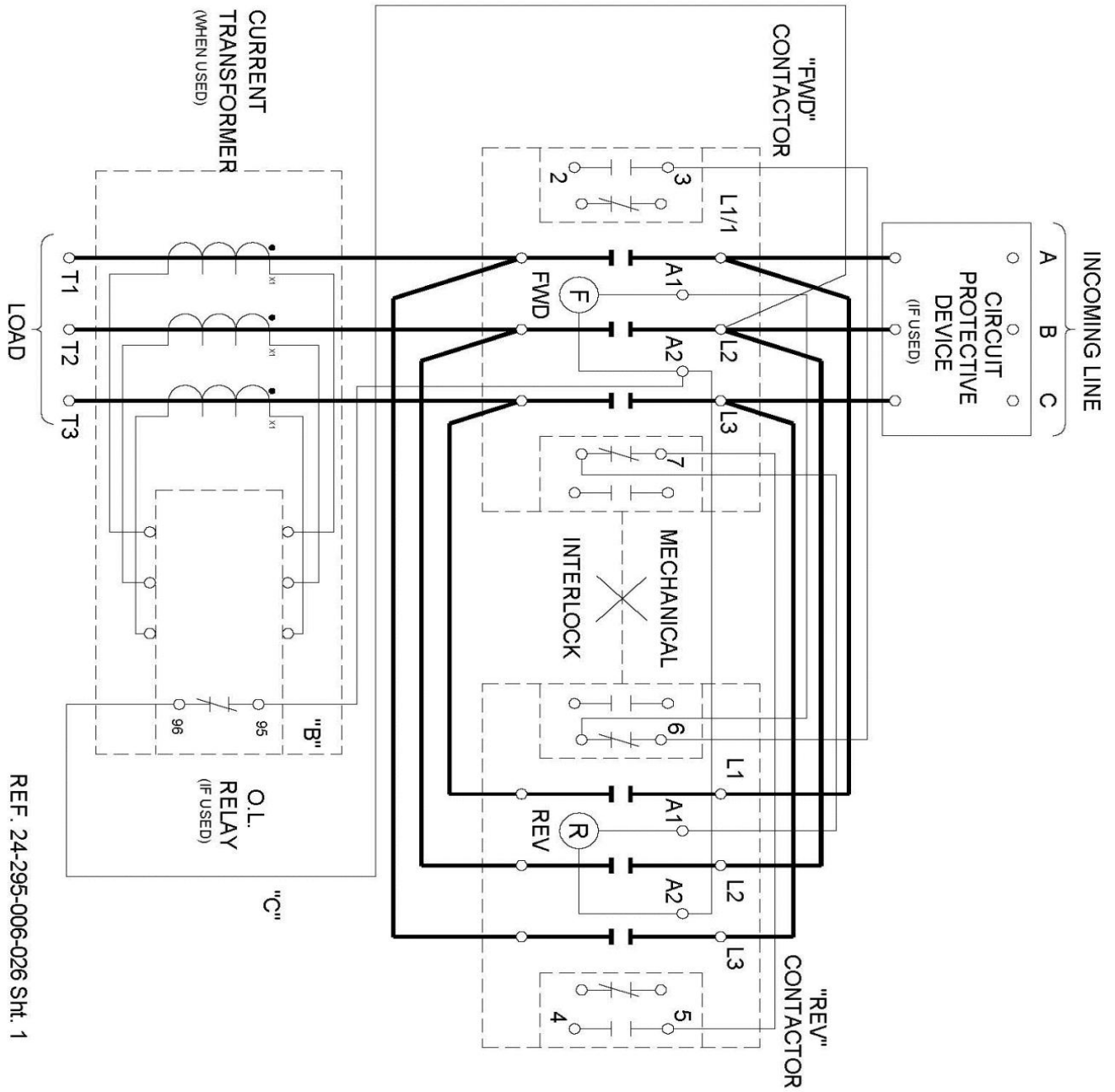
| General technical data:                           |                                       |
|---------------------------------------------------|---------------------------------------|
| Weight                                            | 445 lb                                |
| Height x Width x Depth                            | 79 x 22 x 13 in.                      |
| Finger-safe (main circuit / control circuit)      | NA / NA                               |
| Maximum altitude                                  | 6560 ft                               |
| Ambient storage temperature                       | (-30 to 65)°C / (-22 to 149)°F        |
| Ambient operating temperature                     | (-20 to 40)°C / (-4 to 104)°F         |
| Humidity (% non-condensing)                       | (no data)                             |
| Rated impulse voltage resistance                  | (no data)                             |
| Rated insulation voltage                          | (no data)                             |
| Country of origin                                 | USA                                   |
| Contactor:                                        |                                       |
| Number of NO main contacts                        | 6                                     |
| Amp rating                                        | 540A                                  |
| Mechanical operating cycles                       | 10,000,000                            |
| Internal/standard auxiliary contact:              |                                       |
| Number of NC / NO auxiliary contacts              | 2NC / 2NO                             |
| Rating                                            | 10A@240VAC (A300), 2.5A@250VDC (Q300) |
| Optional auxiliary contact:                       |                                       |
| Max number of NC / NO auxiliary contacts          | 4NC / 4NO                             |
| Rating                                            | 10A@240VAC (A300), 2.5A@250VDC (Q300) |
| Coil:                                             |                                       |
| Voltage                                           | 110-127V 50-60Hz/DC Coil              |
| Sealed watts                                      | 10W                                   |
| Inrush / sealed power                             | 830 / 9.2 VA                          |
| Normal coil operating limits (% of rated voltage) | 85% - 110%                            |
| Typical drop-out volts (% of rated voltage)       | 60%                                   |
| Pick-up time / Drop-out time                      | 45-100 / 60-100 msec                  |
| Overload Relay:                                   |                                       |
| Current range                                     | 160 - 630A                            |
| Trip Class                                        | Class 20                              |
| Trip detection                                    | Overload                              |
| Phase failure sensitivity                         | Yes                                   |
| Repeat accuracy                                   | (no data)                             |
| Reset options                                     | Manual and automatic                  |
| External reset                                    | Yes                                   |
| Test function                                     | Electronics & manual actuation        |
| Conformal coating on printed circuit board        | No                                    |
| Number of NC / NO auxiliary contacts              | 1NC / 1NO                             |
| Rating of auxiliary contacts                      | 5A@600VAC (B600), 1A@250VDC (R300)    |
| Single contact isolation                          | 600V                                  |

|                                                      |                                                                                                                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dual contact isolation                               | 300V differing polarity / 600V common polarity                                                                                                                                      |
| <b>Motor Circuit Protector (magnetic trip only):</b> |                                                                                                                                                                                     |
| Rating                                               | 10A                                                                                                                                                                                 |
| Instantaneous trip range                             | 30 - 100A                                                                                                                                                                           |
| <b>Enclosure:</b>                                    |                                                                                                                                                                                     |
| Type                                                 | NEMA Type 1 enclosure                                                                                                                                                               |
| Rating                                               | Indoor general purpose use                                                                                                                                                          |
| <b>Mounting/wiring:</b>                              |                                                                                                                                                                                     |
| Mounting orientation                                 | Vertical                                                                                                                                                                            |
| Mounting type                                        | Surface                                                                                                                                                                             |
| Line side connection type / torque                   | Box lug / (refer to actual product for torque specs)                                                                                                                                |
| Line side solid & stranded conductors                | 1x(14 AWG - 10 AWG) 75°C CU or 1x(12 AWG - 10 AWG) 75°C AL                                                                                                                          |
| Load side connection type / torque                   | Box lug / 180-220 lb-in.                                                                                                                                                            |
| Load side solid & stranded conductors                | 2 x 2/0 AWG - 500 MCM                                                                                                                                                               |
| Coil connection type / torque                        | Screw / 7 lb in. - 10 lb in.                                                                                                                                                        |
| Coil solid & stranded conductors                     | 2 x (18 - 14 AWG) CU 60/75°C                                                                                                                                                        |
| Main auxiliary contact connection type / torque      | Screw / 7 lb in. - 10 lb in.                                                                                                                                                        |
| Main auxiliary contact solid & stranded conductors   | 2x (20 - 16), 2x (18 - 14) CU 60/75oC                                                                                                                                               |
| OLR auxiliary contact connection type / torque       | Screw / 7 lb in. - 10 lb in.                                                                                                                                                        |
| OLR auxiliary contact solid & stranded conductors    | 2 x (20 - 14 AWG) CU 60/75°C                                                                                                                                                        |
| <b>Short circuit current rating:</b>                 |                                                                                                                                                                                     |
| Factory installed motor circuit protector            | 100kA@480V; 42kA@600V                                                                                                                                                               |
| <b>Certificates/approvals:</b>                       |                                                                                                                                                                                     |
|                                                      | <a href="#">UL (file no. E185287)</a><br><a href="#">cUL (file no. E185287 for Canada)</a><br><a href="#">CSA (file no. 006535 C_000)</a><br><a href="#">ISO 9001 certification</a> |
| <b>Additional information:</b>                       |                                                                                                                                                                                     |
|                                                      | <a href="#">Brochure</a>                                                                                                                                                            |

## OUTLINE 79x22x13 NEMA 1/3/3R/4/12



DIMENSIONS ARE IN INCHES.  
FILE NAME: SFIS-D56032006-0211



REF. 24-295-006-026 Sht. 1