



Non-reversing motor starter with non-fusible disconnect  
NEMA controller size 0  
3-Phase, 3-Pole  
Maximum voltage rating 600VAC  
Max Hp 60Hz: 1/6@200V; 1/6@230V; 1/3@460V; 1/2@575V  
Solid-state overload relay(s) with 0.25–1A range  
Control voltage 24VAC 50-60Hz  
NEMA Type 4,12 enclosure

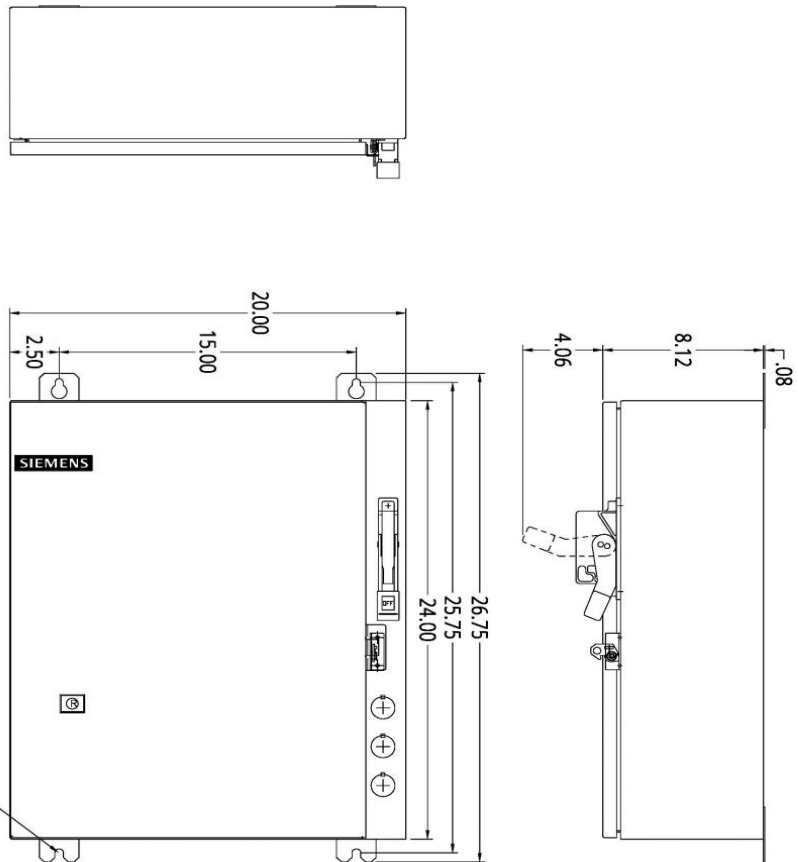


Image is representative and may not depict the actual product.

| General technical data:                           |                                                        |
|---------------------------------------------------|--------------------------------------------------------|
| Weight                                            | 47 lb                                                  |
| Height x Width x Depth                            | 24 x 20 x 8 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                        | 3                                                      |
| Amp rating                                        | 18A                                                    |
| Mechanical operating cycles                       | 10,000,000                                             |
| Internal/standard auxiliary contact:              |                                                        |
| Number of NC / NO auxiliary contacts              | 0NC / 1NO                                              |
| Rating                                            | 10A@600VAC (A600), 5A@600VDC (P600)                    |
| Optional auxiliary contact:                       |                                                        |
| Max number of NC / NO auxiliary contacts          | 8 total                                                |
| Rating                                            | 10A@600VAC (A600), 5A@600VDC (P600)                    |
| Coil:                                             |                                                        |
| Voltage                                           | 24VAC 50-60Hz Coil                                     |
| Sealed watts                                      | 8.6W                                                   |
| Inrush / sealed power                             | 218 / 25 VA                                            |
| Normal coil operating limits (% of rated voltage) | 85% - 110%                                             |
| Typical drop-out volts (% of rated voltage)       | 50%                                                    |
| Pick-up time / Drop-out time                      | 19-29 / 10-24 msec                                     |
| Overload Relay:                                   |                                                        |
| Current range                                     | 0.25–1A                                                |
| Trip Class                                        | Class 5 / 10 / 20 (factory set) / 30                   |
| Trip detection                                    | Overload, phase failure, phase unbalance, ground fault |
| Phase failure sensitivity                         | Trip time after phase-loss: < 3 sec                    |
| Repeat accuracy                                   | Within 1%                                              |
| Reset options                                     | Manual, automatic and remote                           |
| External reset                                    | Yes                                                    |
| Test function                                     | Electronics & manual actuation                         |
| Conformal coating on printed circuit board        | Yes                                                    |
| Number of NC / NO auxiliary contacts              | 1NC / 1NO                                              |
| Rating of auxiliary contacts                      | 5A@600VAC (B600), 1A@250VDC (R300)                     |

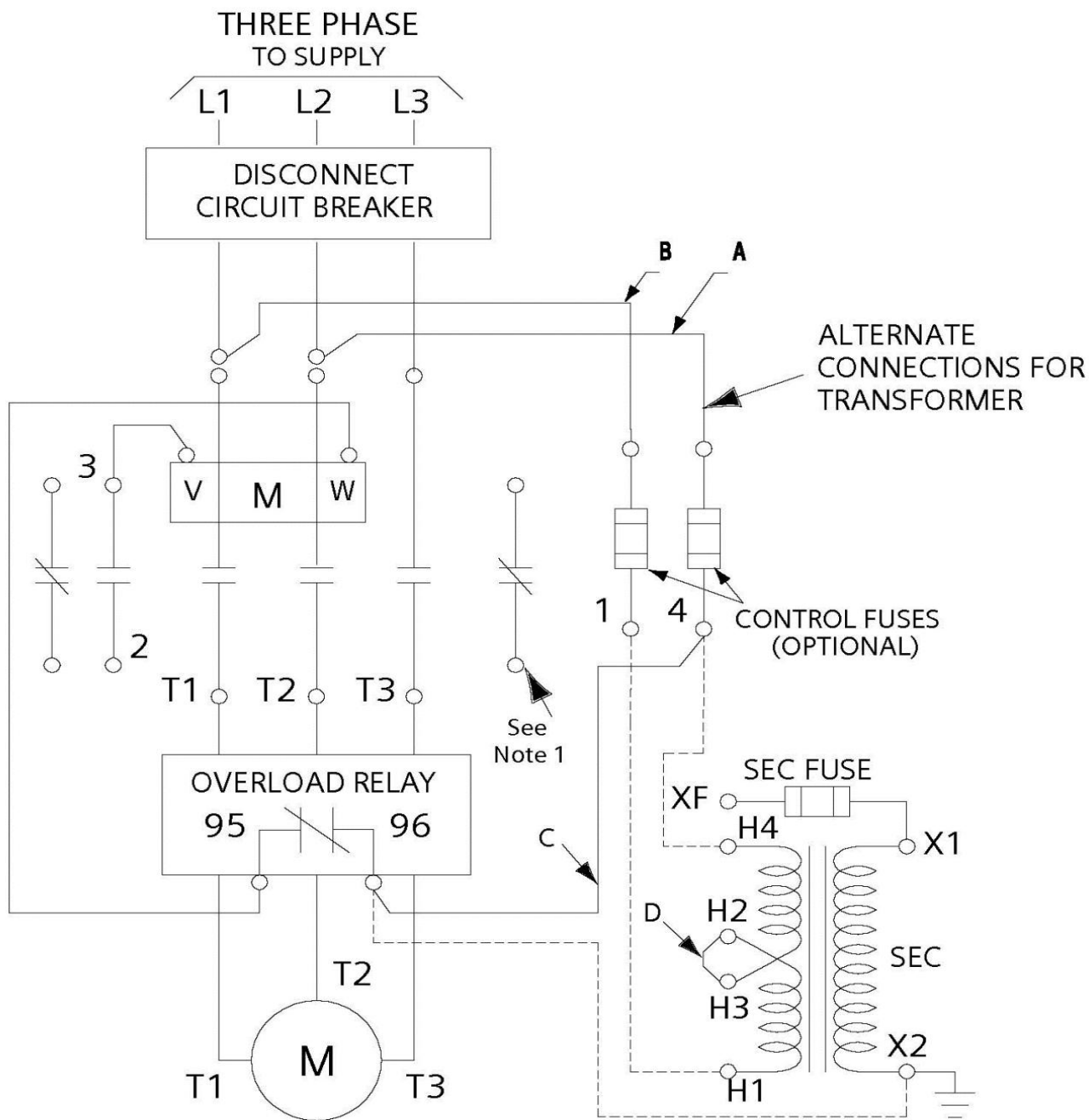
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|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Single contact isolation                           | 600V                                                                                                                                                                                |
| Dual contact isolation                             | 300V differing polarity / 600V common polarity                                                                                                                                      |
| <b>Disconnect Switch:</b>                          |                                                                                                                                                                                     |
| Rating                                             | 30A/600V non-fusible                                                                                                                                                                |
| Fuse type accepted                                 | NA                                                                                                                                                                                  |
| <b>Enclosure:</b>                                  |                                                                                                                                                                                     |
| Type                                               | NEMA Type 4,12 enclosure                                                                                                                                                            |
| Rating                                             | Dust-tight, watertight & weather proof                                                                                                                                              |
| <b>Mounting/wiring:</b>                            |                                                                                                                                                                                     |
| Mounting orientation                               | Vertical                                                                                                                                                                            |
| Mounting type                                      | Surface                                                                                                                                                                             |
| Line side connection type / torque                 | Box lug / 35 lb in (14 - 10); 40 lb in (8); 45 lb in (6 - 4) AWG                                                                                                                    |
| Line side solid & stranded conductors              | 1x(14 - 2 AWG) 60/75°C AL or CU                                                                                                                                                     |
| Load side connection type / torque                 | Screw / 20 lb in. - 24 lb in.                                                                                                                                                       |
| Load side solid & stranded conductors              | 2 x (14 - 10 AWG) CU 60/75°C                                                                                                                                                        |
| Coil connection type / torque                      | Screw / 5 lb in. - 12 lb in.                                                                                                                                                        |
| Coil solid & stranded conductors                   | 2 x (16 - 12 AWG) CU 60/75°C                                                                                                                                                        |
| Main auxiliary contact connection type / torque    | Screw / 10 - 15 lb-in                                                                                                                                                               |
| Main auxiliary contact solid & stranded conductors | 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG) 75°C CU                                                                                                                          |
| 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>               |                                                                                                                                                                                     |
| Fuses                                              | 10kA@600V (Class H or K); 100kA@600V (Class R or J)                                                                                                                                 |
| <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><br><a href="#">OLR instruction sheet &amp; trip curves</a>                                                                                                 |

# OUTLINE 24x20x8 NEMA 12/3/3R/4



MOUNTING SCREWS FOR  
1/4" SCREWS QTY. 4

DIMENSIONS ARE IN INCHES.  
FILE NAME: SFIS-D68774005-0211



REF. D68782001