



**Non-reversing motor starter with fusible disconnect**  
**NEMA controller size 3**  
**3-Phase, 3-Pole**  
**Maximum voltage rating 600VAC**  
**Max Hp 60Hz: NA@200V; NA@230V; 50@460V; 50@575V**  
**Solid-state overload relay(s) with 25–100A range**  
**Control voltage 110VAC 50Hz / 120VAC 60Hz**  
**NEMA Type 1 enclosure**

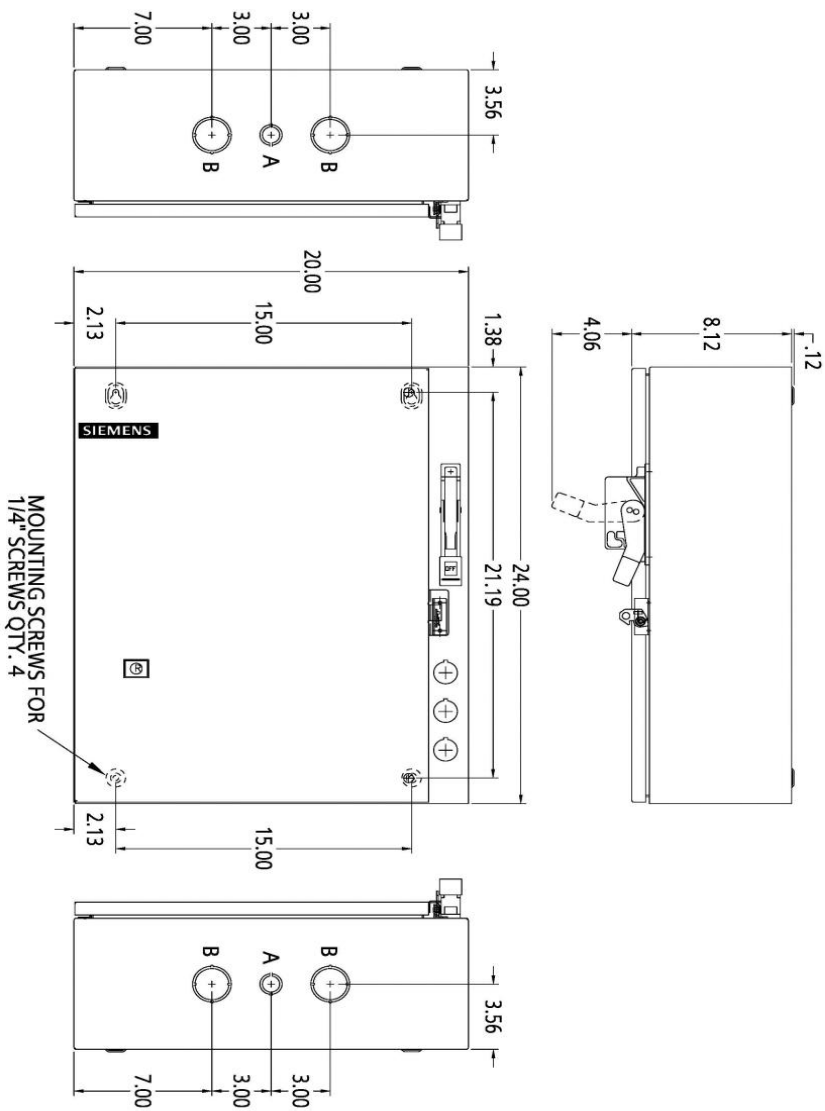


Image is representative and may not depict the actual product.

<b>General technical data:</b>	
Weight	52 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
<b>Contactor:</b>	
Number of NO main contacts	3
Amp rating	90A
Mechanical operating cycles	5,000,000
<b>Internal/standard auxiliary contact:</b>	
Number of NC / NO auxiliary contacts	0NC / 1NO
Rating	10A@600VAC (A600), 5A@600VDC (P600)
<b>Optional auxiliary contact:</b>	
Max number of NC / NO auxiliary contacts	7 total
Rating	10A@600VAC (A600), 5A@600VDC (P600)
<b>Coil:</b>	
Voltage	110VAC 50Hz / 120VAC 60Hz Coil
Sealed watts	14W
Inrush / sealed power	310 / 26 VA
Normal coil operating limits (% of rated voltage)	85% - 110%
Typical drop-out volts (% of rated voltage)	50%
Pick-up time / Drop-out time	26-41 / 14-19 msec
<b>Overload Relay:</b>	
Current range	25–100A
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)

Single contact isolation	600V
Dual contact isolation	300V differing polarity / 600V common polarity
<b>Disconnect Switch:</b>	
Rating	100A with 100A/600V Class R fuse clips
Fuse type accepted	Class R
<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 / 120 lb in
Line side solid & stranded conductors	1x(14 - 1/0 AWG) 75°C AL or CU
Load side connection type / torque	Box lug / 120 lb-in.
Load side solid & stranded conductors	1x(14 - 2/0 AWG) 75°C AL or CU
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> <a href="#">cUL (file no. E185287 for Canada)</a> <a href="#">CSA (file no. 006535 C 000)</a> <a href="#">ISO 9001 certification</a>
<b>Additional information:</b>	
	<a href="#">Brochure</a> <a href="#">OLR instruction sheet &amp; trip curves</a>

# OUTLINE 24x20x8 NEMA 1



LETTER	CONDUIT SIZE
A	1/2" & 3/4" CONDUIT TYP. TOP & BOTTOM
B	1-1/4" & 1-1/2" CONDUIT TYP. TOP & BOTTOM

DIMENSIONS ARE IN INCHES.  
FILE NAME: SFS-D6874002-0211



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