SIEMENS

Data sheet

US2:17EUE82NG



Non-reversing motor starter, Size 1 3/4, Three phase full voltage, Solid-state overload relay, OLRelay amp range 10-40a, 190 220/220 240V 50/60HZ coil, Combination type, 60Amp non-fused disconnect Enclosure NEMA type 4/12, Water/dust tight for outdoors, Extra-wide enclosure

Figure similar

General technical data	
Height x Width x Depth [in]	24 × 20 × 8 in
Protection against electrical shock	(NA for enclosed products)
Installation altitude [ft] at height above sea level maximum	6560 ft
Ambient temperature [°F] during storage	-22 +149 °F
Ambient temperature [°F] during operation	-4 +104 °F
Ambient temperature during storage	-30 +65 °C
Ambient temperature during operation	-20 +40 °C
Horsepower ratings	
Yielded mechanical performance [hp] for three-phase	
AC motor	
• at 200/208 V rated value	10 hp
• at 220/230 V rated value	10 hp
• at 460/480 V rated value	15 hp
• at 575/600 V rated value	15 hp
Contactor	

Number of NO contacts for main contacts	3
Operating current at AC at 600 V rated value	40 A
Mechanical service life (switching cycles) of the main contacts typical	1000000
Auxiliary contact	
Number of NC contacts at contactor for auxiliary contacts	0
Number of NO contacts at contactor for auxiliary contacts	1
Number of total auxiliary contacts maximum	8
Contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
Type of voltage of the control supply voltage	AC
Control supply voltage	
 at DC rated value 	0 0 V
 at AC at 60 Hz rated value 	220 240 V
• at AC at 50 Hz rated value	190 220 V
Holding power at AC minimum	8.6 W
Apparent pick-up power of magnet coil at AC	218 V·A
Apparent holding power of magnet coil at AC	25 V·A
Operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Percental drop-out voltage of magnet coil related to the input voltage	50 %
Switch-on delay time	19 29 ms
Off-delay time	10 24 ms
Overload relay	
Product function	
 Overload protection 	Yes
 Phase failure detection 	Yes
Phase unbalance	Yes
 Ground fault detection 	Yes
Test function	Yes
• External reset	Yes
Reset function	Manual, automatic and remote
(trip class)	Class 5 / 10 / 20 (factory set) / 30
Adjustable pick-up value current of the current- dependent overload release	10 40 A
Make time with automatic start after power failure maximum	3 s
Relative repeat accuracy	1 %

Product feature Protective coating on printed-circuit board	Yes
Number of NC contacts of auxiliary contacts of overload relay	1
Number of NO contacts of auxiliary contacts of overload relay	1
Operating current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
Contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
Insulation voltage	
 with single-phase operation at AC rated value 	600 V
 with multi-phase operation at AC rated value 	300 V
Disconnect Switch	
Rated response values of switch disconnector	60A / 600V
Design of fuse holder	non-fusible
Operating class of the fuse link	non-fusible
Mounting/wiring	
(mounting position)	vertical
	vertical Surface mounting and installation
(mounting position)	
(mounting position) (mounting type) Type of electrical connection for supply voltage line-	Surface mounting and installation
(mounting position) (mounting type) Type of electrical connection for supply voltage line- side	Surface mounting and installation Box lug
(mounting position) (mounting type) Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line-	Surface mounting and installation Box lug 35 35 lbf·in
(mounting position) (mounting type) Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG)
(mounting position) (mounting type) Type of electrical connection for supply voltage line- side Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum permissible	Surface mounting and installation Box lug 35 35 lbf ⁻ in 1x (14 2 AWG) 75 °C
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Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi- stranded	2x (16 12 AWG)
Temperature of the conductor at magnet coil maximum permissible	75 °C
Material of the conductor at magnet coil	CU
Type of electrical connection for auxiliary contacts	Screw-type terminals
Tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
Type of connectable conductor cross-sections at contactor at AWG conductors for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
Temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
Material of the conductor at contactor for auxiliary contacts	CU
Type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
Tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
Type of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
Temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
Material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
Design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
Further information	
Industrial Controls - Product Overview (Catalogs, Broc www.usa.siemens.com/iccatalog	hures,)

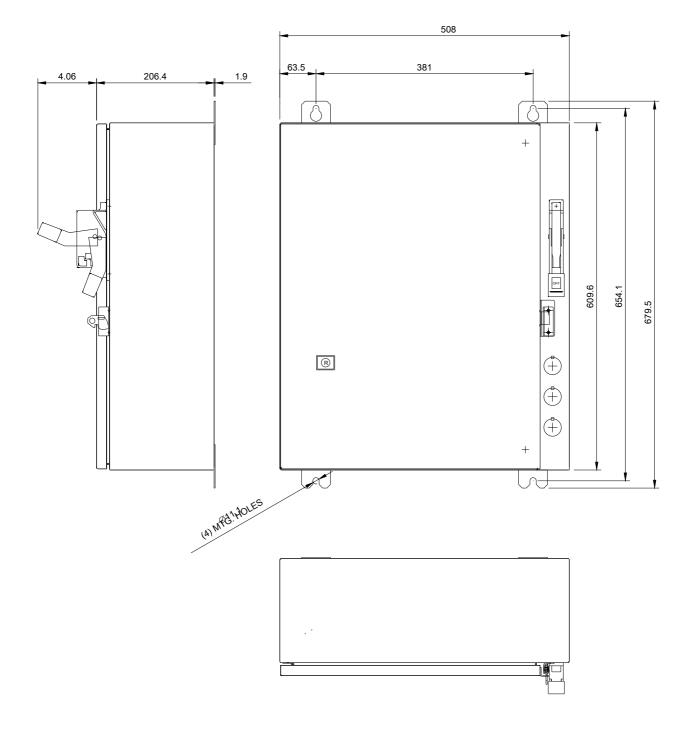
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:17EUE82NG

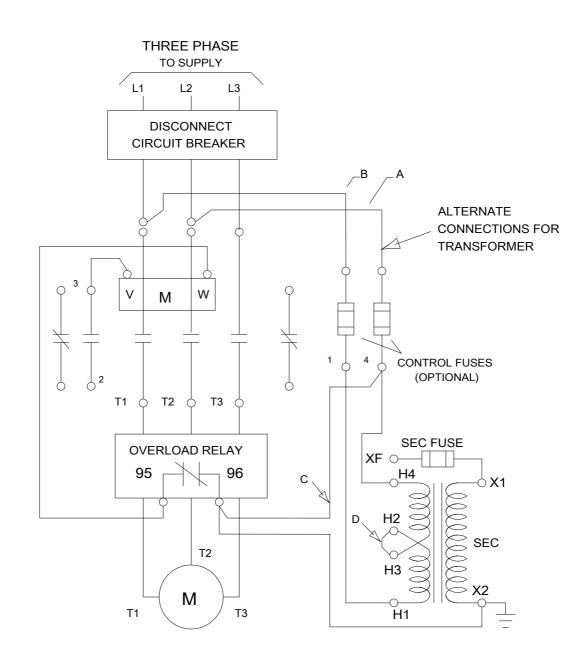
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:17EUE82NG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17EUE82NG&lang=en

Certificates/approvals

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