SIEMENS

Data sheet US2:18GUG92WE



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Combination type, 100A circuit breaker, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Standard width enclosure

product brand name	Class 18 & 26
design of the product	Full-voltage non-reversing motor starter with motor circuit protector
special product feature	ESP200 overload relay; Half-size controller
General technical data	
Height x Width x Depth [in]	24 × 20 × 8 in
touch 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
 during operation 	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
 during operation 	-20 +40 °C
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	15 hp
• at 220/230 V rated value	20 hp
• at 460/480 V rated value	30 hp
• at 575/600 V rated value	30 hp
Contactor	
size of contactor	Controller half size 2 1/2
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	60 A
mechanical service life (operating cycles) of the main contacts typical	10000000
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	7
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 AC at 50 Hz rated value 	550 V
 at AC at 60 Hz rated value 	575 600 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA
operating range factor control supply voltage rated value of	0.85 1.1

magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time 10 29 ms OFF-delay time 10 24 ms Overload relay reset function Itip class adjustable current response value current of the current- dependent overload release make time with automatic start after power failure maximum relative repeat accuracy number of NC contacts of auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay 1 number of NC contacts of auxiliary contacts of overload relay 1 at AC at 600 V 1 at DC at 250 V 1 A contact rating of auxiliary contacts of overload relay according to UL insulation voltage (Ui) with single-phase operation at AC rated value with multi-phase operation at AC rated value degree of protection NEMA rating design of the housing circuit Broaker type of the motor protection operational current of motor circuit breaker rated value adjustable current response value current of instantaneous short-circuit trip unit Mounting/wiring mounting position type of electrical connection for supply voltage line-side box lug
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Mounting/wiring mounting position Vertical fastening method Surface mounting and installation
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type of electrical confliction for supply voltage fine-side
type of connectable conductor cross-sections at line-side for 1x (10 AWG 1/0 AWG)
AWG cables single or multi-stranded
117
type of electrical connection for load-side outgoing feeder Box lug
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded 45 45 lbf-in 1x (14 2 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C
material of the conductor for load-side outgoing feeder AL or CU
type of electrical connection of magnet coil Screw-type terminals
tightening torque [lbf-in] at magnet coil 5 12 lbf-in type of connectable conductor cross-sections of magnet coil for AWG cables 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 for AWG cables for auxiliary contacts single or multi-stranded 10 13 lbi iii 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 for AWG cables for auxiliary contacts single or multi-stranded

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 short-circuit trip	Instantaneous trip circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	100 kA
• at 480 V	100 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

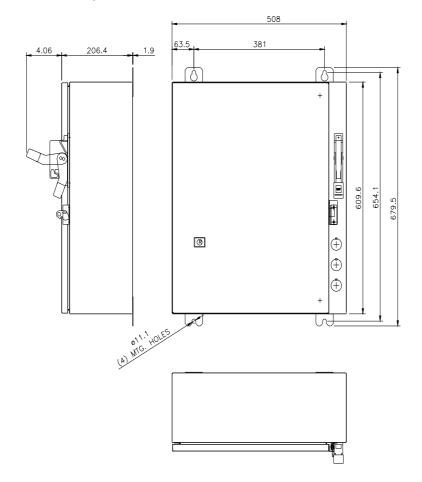
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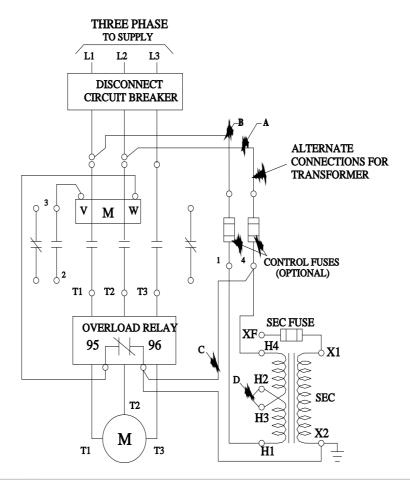
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Certificates/approvals

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