SIEMENS

Data sheet

US2:14GUG32AG



Non-reversing motor starter Size 2 1/2 Three phase full voltage Solid-state overload relay OLRelay amp range 25-100A 190-220/220-240V 50/60HZ coil Combination type No enclosure

Figuresin	nilar
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product brand name	Class 14
design of the product	Full-voltage non-reversing motor starter
special product feature	ESP200 overload relay; Half-size starter
General technical data	
weight [lb]	5 lb
Height x Width x Depth [in]	8.13 × 5.75 × 4 in
touch protection against electrical shock	Not finger-safe
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
country of origin	Mexico
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 (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	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 field value at AC at 50 Hz field value 220 V holding power at AC minimum 86 W apparent pick up power of magnet coll at AC 25 VA operant indig power of magnet coll at AC 25 VA 0.85 … 1.1 of magnet coll etable 0.75 VA 0.86 … 1.1 0.86 … 1.1 0.76 day time 0.87 … 20 ms 0.76 day time 0.86 … 1.1 0.76 day time 0.72 days 0.74 day time 0.74 days 0.74 days		400 0001/
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cables for load-side outgoing feeder single or multi- stranded	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	1x(14 - 2 AWG)
temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible		75 °C
material of the conductor for load-side outgoing feeder AL or CU		AL or CU
type of electrical connection of magnet coil screw-type terminals		screw-type terminals
tightening torque [lbf·in] at magnet coil 5 12 lbf·in		
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded 2 x (16 - 12 AWG)	type of connectable conductor cross-sections of magnet	2 x (16 - 12 AWG)

	75.10	
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 cables for auxiliary contacts single or multi- stranded	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (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 cables for auxiliary contacts single or multi- stranded	2 x (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)	
design of the short-circuit trip	Thermal magnetic circuit breaker	
breaking capacity maximum short-circuit current (Icu)		
• at 240 V	14 kA	
• at 480 V	10 kA	
• at 600 V	10 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)		
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14GUG32AG Service&Support (Manuals, Certificates, Characteristics, FAQs,)		
https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32AG		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)		
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14GUG32AG⟨=en		
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32AG/certificate		
nups://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32AG/centificate		

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