SIEMENS

Data sheet

US2:14HUG32FG



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

Figuresimilar

product brand name	Class 14
design of the product	Full-voltage non-reversing motor starter
special product feature	ESP200 overload relay
General technical data	
weight [lb]	41 lb
Height x Width x Depth [in]	24 × 24 × 7 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
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	25 hp
• at 220/230 V rated value	30 hp
• at 460/480 V rated value	50 hp
 at 575/600 V rated value 	50 hp
Contactor	
size of contactor	NEMA controller size 3
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	90 A
mechanical service life (switching cycles) of the main contacts typical	500000
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	

holding power at AC minimum 14 W apparent holding power of magnet coil at AC 310 VA apparent holding power of magnet coil at AC 26 VA operating range factor control supply voltage rated value of magnet coil 0.851.1 of magnet coil 50 % ON-delay time 26 41 ms OFF-delay time 14 19 ms Overload protection Yes • protent af drop-out voltage of magnet coil Yes • phase failure detection Yes • overload protection Yes • external reset Yes • reset function Yes tripping time at phase-loss maximum 3 s 3 s relave relave repeat accuracy 1% product feature protective coating on printed-circuit boad 1 relav auxiliary contacts of overload relay operational current of auxiliary contacts of overload relay 5A • at DC at 250 V 1A • at DC at 250 V 1A insulation ovoltage (U) • with mult
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type of connectable conductor cross-sections at line-side 1x(14 - 2/0 AWG)
temperature of the conductor for supply maximum 75 °C permissible
material of the conductor for supply AL or CU
type of electrical connection for load-side outgoing feeder Box lug
tightening torque [lbf·in] for load-side outgoing feeder 120 120 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x(14 - 2/0 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 at AWG cables single or multi-stranded 2 x (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 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 (lcu)		
• 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=US2:14HUG32FG Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32FG Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14HUG32FG⟨=en Cortificates(approvale		
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