SIEMENS

Data sheet US2:14HUG32AE



Non-reversing motor starter Size 3 Three phase full voltage Solid-state overload relay OLRelay amp range 25-100A 550/575-600 50/60HZ coil Combination type No enclosure

Figure similar

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]	8 lb	
Height x Width x Depth [in]	9.78 × 6.75 × 5.19 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	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 (operating cycles) of the main contacts typical	5000000	
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		

control supply voltage • at AC at 50 Hz rated value • at AC at 50 Hz rated value • at AC at 50 Hz rated value 575 600 V holding power at AC minimum 14 W apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC apparent holding power of magnet coil related to the input voltage factor control supply voltage rated value of magnet coil precental drop- out voltage of magnet coil related to the input voltage ON-delay time CPF-delay time 26 41 ms OVertoad rolay Product function • overfoad protection • external reset reset function function reset function function relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay at AC at 600 V at Cha at 280 V contact rating of auxiliary contacts of overload relay • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value byte of delectrical connection for supply voltage line-side tightening torque [bit in] for supply 15 C 15 C 16 C 17 C 18 C 18 C 19 C 18 C 19 C 18 C 19 C 19 C 10		
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type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder 120 120 lbf·in		75 °C
tightening torque [lbf·in] for load-side outgoing feeder 120 120 lbf·in	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
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 - 2/0 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C		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
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 (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=US2:14HUG32AE

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

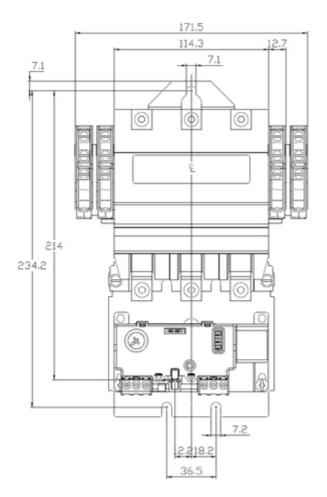
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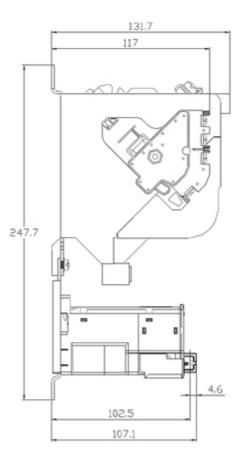
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

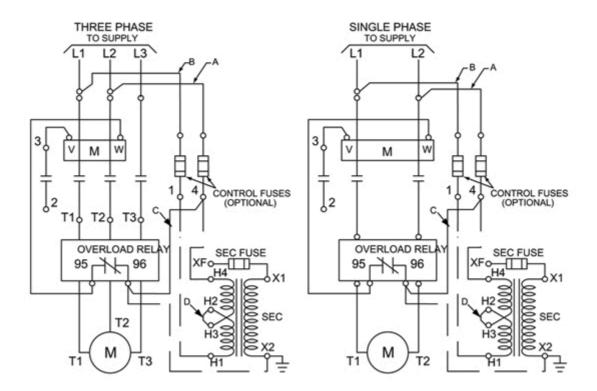
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14HUG32AE&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32AE/certificate







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