## **SIEMENS**

Data sheet US2:14CUD32AG



Non-reversing motor starter Size 0 Three phase full voltage Solid-state overload relay OLRelay amp range 5.5-22A 190-220/220-240V 50/60HZ coil Combination type No enclosure

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]	3 lb
Height x Width x Depth [in]	7.44 × 5.75 × 3.75 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
<ul> <li>during operation</li> </ul>	-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	3 hp
<ul><li>at 220/230 V rated value</li></ul>	3 hp
Contactor	
size of contactor	NEMA controller size 0
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	18 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	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 AC at 50 Hz rated value	190 220 V
at AC at 60 Hz rated value	220 240 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

percental drop-out voltage of magnet coil related to the input voltage of protection voltage (II)  - Part of Carlson Field (Part of Carlson Voltage)  - Part of Carlson Voltage of magnet coil related value voltage of protection Ves voltage of protection voltage (III)  - Part of Carlson Voltage of magnet coil voltage ine-side spinent protection Notage (III)  - Part of Carlson Notage (I	magnet coil	
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degree of protection NEMA rating	with multi-phase operation at AC rated value	300 V
design of the housing  Mounting/wiring  mounting position  fastening method  type of electrical connection for supply voltage line-side tightening torque [libr-in] for supply  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  temperature of the conductor for supply  type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded  temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder stightening torque [libr-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible  To "C  Vertical  Surface mounting and installation  Surface mounting and installation  Surface mounting and installation  Surface mounting and installation  1x(14 - 2 AWG)  AL or CU  1x(14 - 2 AWG)	nclosure	
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type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  1x(14 - 2 AWG)  To °C  AL or CU  screw-type terminals  5 12 lbf-in  2 x (16 - 12 AWG)  75 °C	type of electrical connection for load-side outgoing feeder	Screw-type terminals
for load-side outgoing feeder single or multi-stranded  temperature of the conductor for load-side outgoing feeder maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  tightening torque [lbf·in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  75 °C  75 °C  75 °C  75 °C  75 °C	tightening torque [lbf-in] for load-side outgoing feeder	20 20 lbf-in
maximum permissible  material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  screw-type terminals  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  AL or CU  screw-type terminals  5 12 lbf-in  2 x (16 - 12 AWG)  75 °C		1x(14 - 2 AWG)
material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil  screw-type terminals  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  AL or CU  screw-type terminals  5 12 lbf-in  2 x (16 - 12 AWG)  75 °C		75 °C
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  temperature of the conductor at magnet coil maximum 75 °C  permissible	·	AL or CU
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  2 x (16 - 12 AWG)  75 °C		screw-type terminals
AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  75 °C	•	• •
temperature of the conductor at magnet coil maximum 75 °C permissible		2 x (16 - 12 AWG)
·	temperature of the conductor at magnet coil maximum	75 °C
material of the bolladot at magnet our	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  1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	type of connectable conductor cross-sections at contactor for	
temperature of the conductor at contactor for auxiliary contacts maximum permissible  75 °C	temperature of the conductor at contactor for auxiliary contacts	75 °C
material of the conductor at contactor for auxiliary contacts  CU	·	CU
type of electrical connection at overload relay for auxiliary screw-type terminals	The state of the s	

contacts	
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	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
maximum short-circuit current breaking capacity (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,...)

Industry Mall (Online ordering system)

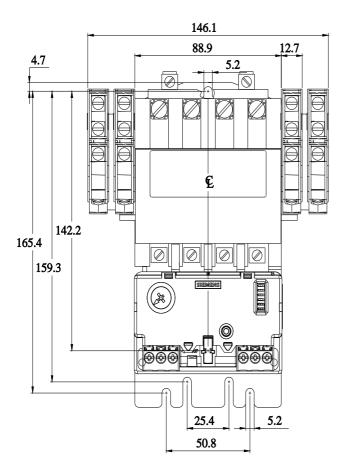
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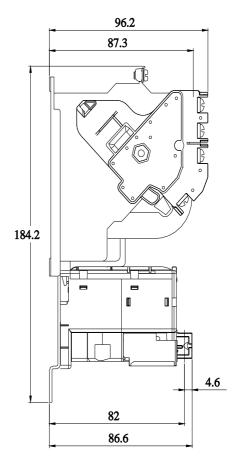
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14CUD32AG

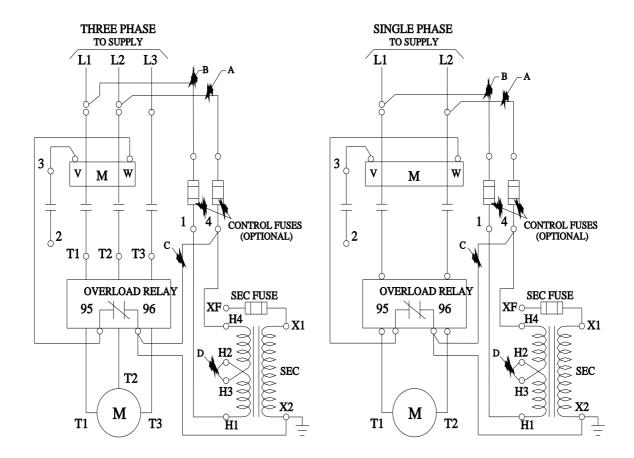
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14CUD32AG&lang=en

Certificates/approvals

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