## **SIEMENS**

Data sheet US2:14CUD32AA



Non-reversing motor starter Size 0 Three phase full voltage Solid-state overload relay OLRelay amp range 5.5-22A 110-120/220-240VAC 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; Dual voltage coil
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]	
<ul> <li>during storage</li> </ul>	-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	3 hp
• at 220/230 V rated value	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 (switching 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 60 Hz rated value	110 240 V
holding power at AC minimum	8.6 W

apparent holding power of magnet coil at AC apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of magnet coil percental drop-out voltage of magnet coil related to the input voltage ON-delay time OF-delay time OF-delay time Overload relay product function • overload protection • phase failure detection • phase failure detection • asymmetry detection • settenction • external reset • external reset No reset function  • external reset reset function  fip class adjustable current response value current of the current-dependent overload release tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NO contacts of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V  ocntact rating of auxiliary contacts of overload relay • with single-phase operation at AC rated value • with multi-phase operation at	
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■ at DC at 250 V     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     ■ with multi-phase operation at AC rated value     degree of protection NEMA rating     design of the housing     Mounting/wiring     mounting position     fastening method     Surface mounting and installation	
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<ul> <li>with multi-phase operation at AC rated value</li> <li>Enclosure</li> <li>degree of protection NEMA rating</li> <li>Open device (no enclosure)</li> <li>design of the housing</li> <li>NA</li> <li>Mounting/wiring</li> <li>mounting position</li> <li>fastening method</li> <li>Surface mounting and installation</li> </ul>	
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Mounting/wiring       mounting position     Vertical       fastening method     Surface mounting and installation	
mounting position  fastening method  Vertical  Surface mounting and installation	
fastening method Surface mounting and installation	
type of electrical connection for supply voltage line-side Screw-type terminals	
type of distribution for supply voltage line-side	
tightening torque [lbf·in] for supply 20 20 lbf·in	
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  1x(14 - 2 AWG)	
temperature of the conductor for supply maximum permissible 75 °C	
material of the conductor for supply  AL or CU	
type of electrical connection for load-side outgoing feeder Screw-type terminals	
tightening torque [lbf·in] for load-side outgoing feeder 20 20 lbf·in	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded  1x(14 - 2 AWG)  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 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)
<a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14CUD32AA">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14CUD32AA</a>

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

https://support.industry.siemens.com/cs/US/en/ps/US2:14CUD32AA

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14CUD32AA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14CUD32AA/certificate

11/29/2021 last modified: