## **SIEMENS**

Data sheet US2:14JUH32WC



Non-reversing motor starter Size 4 Three phase full voltage Solid-state overload relay OLRelay amp range 50-200A 220-240/440-480VAC 60HZ coil Combination type Water/dust tight non-corrosive

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]	39 lb
Height x Width x Depth [in]	26 × 13 × 8 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	40 hp
• at 220/230 V rated value	50 hp
• at 460/480 V rated value	100 hp
• at 575/600 V rated value	100 hp
Contactor	
size of contactor	NEMA controller size 4
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	135 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), 2.5A@300VDC (Q300)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
at AC at 60 Hz rated value	220 480 V
holding power at AC minimum	22 W
apparent pick-up power of magnet coil at AC	510 VA
apparent holding power of magnet coil at AC	51 VA

operating range factor control supply voltage rated value of magnet coil	0.85 1.1
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	18 34 ms
OFF-delay time	10 12 ms
Overload relay	
product function	
overload protection	Yes
phase failure detection	Yes
asymmetry detection	Yes
ground fault detection	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	50 200 A
tripping time at phase-loss maximum	3 s
relative repeat accuracy	1 %
product feature protective coating on printed-circuit board	Yes
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
insulation voltage (Ui)  • with single-phase operation at AC rated value	600 V
	600 V 300 V
with single-phase operation at AC rated value	
with single-phase operation at AC rated value     with multi-phase operation at AC rated value      Enclosure  degree of protection NEMA rating of the enclosure	300 V  NEMA 4x 304 stainless steel enclosure
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing	300 V
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring	NEMA 4x 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position	NEMA 4x 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant  Vertical
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method	NEMA 4x 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant  Vertical  Surface mounting and installation
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	NEMA 4x 304 stainless steel enclosure Dust-tight, watertight & corrosion resistant  Vertical Surface mounting and installation Box lug
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply	NEMA 4x 304 stainless steel enclosure Dust-tight, watertight & corrosion resistant  Vertical Surface mounting and installation Box lug 200 200 lbf-in
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	NEMA 4x 304 stainless steel enclosure Dust-tight, watertight & corrosion resistant  Vertical Surface mounting and installation Box lug 200 200 lbf-in 1x(6 AWG - 250 MCM)
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with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-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 maximum permissible material of the conductor for supply	NEMA 4x 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant  Vertical  Surface mounting and installation  Box lug  200 200 lbf-in  1x(6 AWG - 250 MCM)  75 °C  CU
with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-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 maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	NEMA 4x 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant  Vertical  Surface mounting and installation  Box lug  200 200 lbf-in  1x(6 AWG - 250 MCM)  75 °C  CU  Box lug
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with single-phase operation at AC rated value     with multi-phase operation at AC rated value  Enclosure  degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-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 maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-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 tightening torque [lbf-in] at magnet coil	NEMA 4x 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant  Vertical  Surface mounting and installation  Box lug  200 200 lbf·in  1x(6 AWG - 250 MCM)  75 °C  CU  Box lug  200 200 lbf·in  1x(6 AWG - 250 MCM)  75 °C  CU  Sorew-type terminals  5 12 lbf·in
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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 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	10 kA
• at 480 V	10 kA
● at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Approvals Certificates	

## **Test Certificates**



Industrial Controls - Product Overview (Catalogs, Brochures,...)

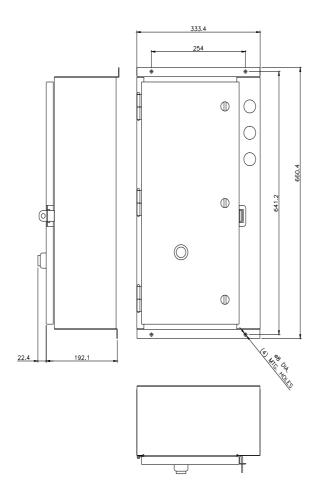
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14JUH32WC

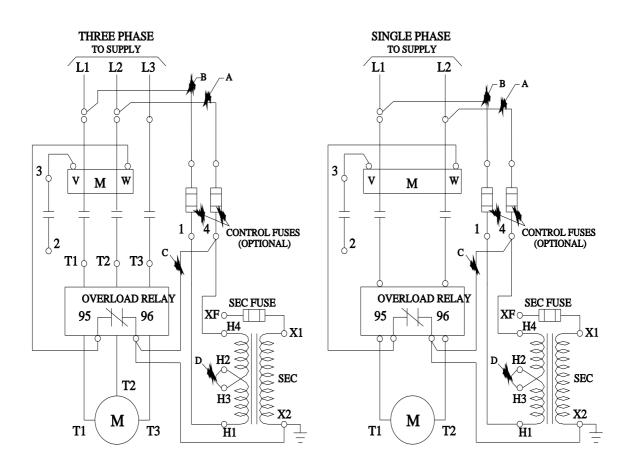
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:14JUH32WC">https://support.industry.siemens.com/cs/US/en/ps/US2:14JUH32WC</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14JUH32WC&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14JUH32WC&lang=en</a>

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14JUH32WC/certificate





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