## **SIEMENS**

Data sheet US2:14IUH82WC



Non-reversing motor starter Size 3 1/2 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; Half-size starter; Dual voltage coil	
General technical data		
weight [lb]	49 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	30 hp	
• at 220/230 V rated value	40 hp	
• at 460/480 V rated value	75 hp	
• at 575/600 V rated value	75 hp	
Contactor		
size of contactor	Controller half size 3 1/2	
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	115 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	14 W	
apparent pick-up 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	0.85 1.1
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	26 41 ms
OFF-delay time	14 19 ms
Overload relay	11 10 1110
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)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
with multi-phase operation at AC rated value	300 V
Final Indiana	
Enclosure	5
design of the housing	Extra-wide
design of the housing degree of protection NEMA rating of the enclosure	Extra-wide NEMA 4X 304 stainless steel enclosure
design of the housing degree of protection NEMA rating of the enclosure design of the housing	
design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring	Extra-wide NEMA 4X 304 stainless steel enclosure  Dust-tight, watertight & corrosion resistant
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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 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
Approvals Certificates	
Test Certificates	



Industrial Controls - Product Overview (Catalogs, Brochures,...) <a href="https://www.usa.siemens.com/iccatalog">www.usa.siemens.com/iccatalog</a>

Industry Mall (Online ordering system)

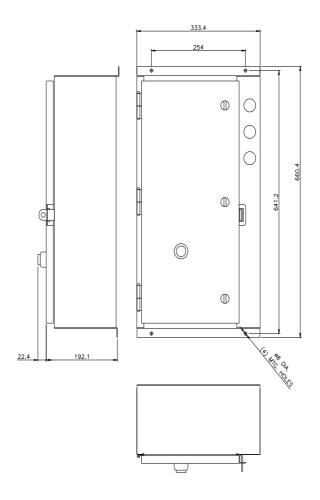
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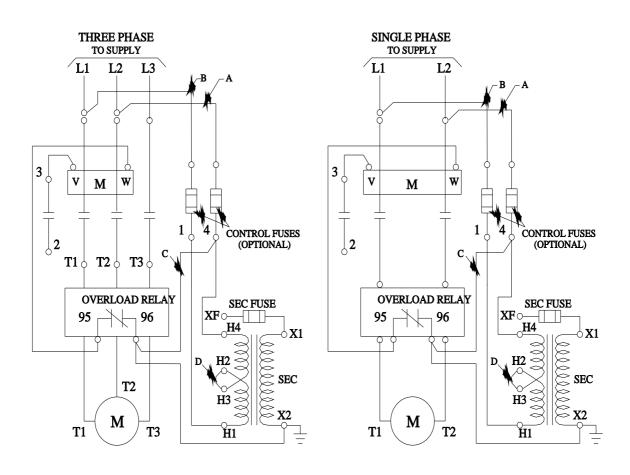
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Certificates/approvals

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US2:1 Page	14IUH 5/5	82W(	С