## SIEMENS

## Data sheet

## US2:17HUG92WH14



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Combination type, 100A fusible disconnect, 100A/250V fuse clip, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Standard width enclosure

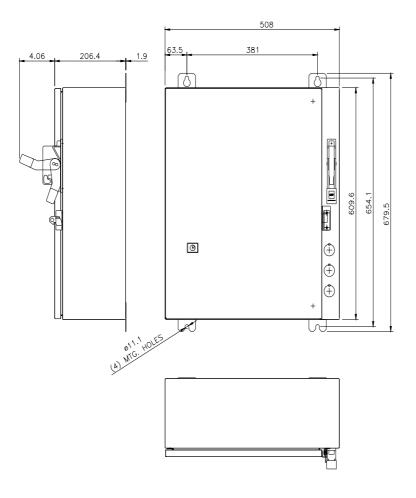
Fig	gure	simi	lar

product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay
General technical data	
weight [lb]	53 lb
Height x Width x Depth [in]	24 × 20 × 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]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-30 +65 °C
<ul> <li>during operation</li> </ul>	-20 +40 °C
country of origin	USA
Horsepower ratings	_
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	20 hp
<ul> <li>at 220/230 V rated value</li> </ul>	25 hp
• at 460/480 V rated value	0 hp
<ul> <li>at 575/600 V rated value</li> </ul>	0 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 (switching cycles) of the main contacts typical	500000
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	
type of voltage of the control supply voltage	AC
control supply voltage	

• at AC at 50 Hz rated value       380 440 V         • at AC at 50 Hz rated value       440 480 V         holding power at AC minimum       14 W         apparent holding 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         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       7es         product function       Yes         • phase failure detection       Yes         • ground fault detection       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-       25 100 A         dependent overload relaye       Yes         product faure protective coating on printed-circuit board       1 %         product faure protective coating on printed-circuit board       1 %         product faure protective coating on printed-circuit board       1	
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       0.85 1.1         ON-delay time       26 41 ms         OFF-delay time       14 19 ms         Overload relay       7es         product function       Yes         • overload protection       Yes         • ground fault detection       Yes         • est function       Yes         reset function       Yes         reset function       Manual, automatic and remote         tripip datable current response value current of the current- dependent overload relase       25 100 A         tripiping time at phase-loss maximum       3 s         relay       1 %         product faure protective coating on printed-circuit board relay       1 %         number of NC contacts of auxiliary contacts of overload relay       1 1	
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of magnet coil         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       product function         • overload protection       Yes         • phase failure detection       Yes         • ground fault detection       Yes         • ground fault detection       Yes         • external reset       Yes         reset function       Yes         reset function       Yes         reset function       Yes         reset function       Yes         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       1         relay       operational current of auxiliary contacts of overload relay         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A@@00VAC (B600), 1A@250VDC (R300)	
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Overload relay           product function           • overload protection           • phase failure detection           • asymmetry detection           • asymmetry detection           • ground fault detection           • external reset           reset function           trip class           clustable 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 NC contacts of auxiliary contacts of overload relay           operational current of auxiliary contacts of overload relay           • at DC at 250 V	
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ground fault detection     ground fault detection     test function     external reset     reset function     frip class     CLASS 5 / 10 / 20 (factory set) / 30     adjustable current response value current of the current-     dependent overload release     tripping time at phase-loss maximum     relative repeat accuracy     frief reset of NC contacts of auxiliary contacts of overload     relay     number of NC contacts of auxiliary contacts of overload     relay     operational current of auxiliary contacts of overload     relay         eat AC at 600 V         eat DC at 250 V         tAC         contact rating of auxiliary contacts of overload relay     according to UL     insulation voltage (Ui)	
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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       1         • 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)       5A	
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e at AC at 600 V     f A     at DC at 250 V     1 A     contact rating of auxiliary contacts of overload relay     according to UL     insulation voltage (Ui)	
contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       5A@600VAC (B600), 1A@250VDC (R300)	
according to UL insulation voltage (Ui)	
insulation voltage (Ui)	
with single-phase operation at AC rated value     600 V	
with multi-phase operation at AC rated value     300 V	
Disconnect Switch	
response value of switch disconnector 100A / 250V	
design of fuse holder Class R fuse clips	
operating class of the fuse link Class R	
Enclosure	
degree of protection NEMA rating     4X, 304 stainless steel       design of the bousing     dustration of the bousing	
design of the housing dustproof, waterproof & resistant to corrosion	
Mounting/wiring	
mounting position vertical	
fastening method Surface mounting and installation	
type of electrical connection for supply voltage line-side Box lug	
tightening torque [lbf·in] for supply 120 120 lbf·in	
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded 1x (14 1/0 AWG)	
temperature of the conductor for supply maximum 75 °C permissible	
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	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2/0 AWG)	
temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible	

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	2x (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	1x (12 AWG), 2x (16 14 AWG), 2x (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	2x (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)			
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=US2:17HUG92WH14 Service&Support (Manuals, Certificates, Characteristics, FAQs,)				
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