SIEMENS

Data sheet US2:17HUG92BC14



Non-reversing motor starter Size 3 Three phase full voltage Solid-state overload relay OLRelay amp range 25-100A 220-240/440-480VAC 60HZ coil Combination type 100A fusible disconnect 100A/250V fuse clip Enclosure NEMA type 1 Indoor general purpose use Standard width enclosure

product brand name	Class 17			
design of the product	Non-reversing motor starter with fusible disconnect			
special product feature	ESP200 overload relay; Dual voltage coil			
General technical data				
weight [lb]	52 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]				
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	20 hp			
• at 220/230 V rated value	25 hp			
• at 460/480 V rated value	0 hp			
• at 575/600 V rated value	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 (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), 5A@600VDC (P600)			
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				
product function				
overload protection	Yes			
phase failure detection	Yes			
asymmetry detection	Yes			
ground fault detection	Yes			
test function	Yes			
external reset				
reset function	Yes			
	Manual, automatic and remote			
trip class	CLASS 5 / 10 / 20 (factory set) / 30			
adjustable current response value current of the current- dependent overload release	25 100 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)				
 with single-phase operation at AC rated value 	600 V			
 with multi-phase operation at AC rated value 	300 V			
Disconnect Switch				
Disconnect Switch response value of switch disconnector	100A / 250V			
	100A / 250V Class R fuse clips			
response value of switch disconnector				
response value of switch disconnector design of fuse holder	Class R fuse clips			
response value of switch disconnector design of fuse holder operating class of the fuse link	Class R fuse clips			
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure	Class R fuse clips Class R			
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing	Class R fuse clips Class R			
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring	Class R fuse clips Class R indoors, usable on a general basis			
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position	Class R fuse clips Class R indoors, usable on a general basis vertical			
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation			
response value of switch disconnector design of fuse holder operating class of the fuse link Enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug			
response value of switch disconnector design of fuse holder operating class of the fuse link 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	Class R fuse clips Class R indoors, usable on a general basis vertical Surface mounting and installation Box lug 120 120 lbf-in			
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AWG cables for auxiliary contacts single or multi-stranded			
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 for 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=US2:17HUG92BC14

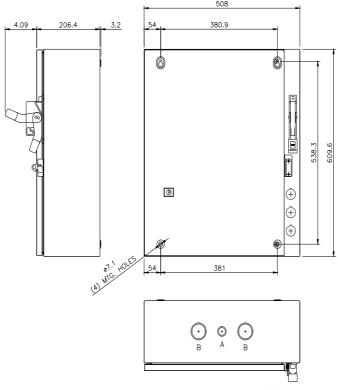
 $Service \& Support \ (Manuals, Certificates, Characteristics, FAQs, ...)$

https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG92BC14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17HUG92BC14&lang=en

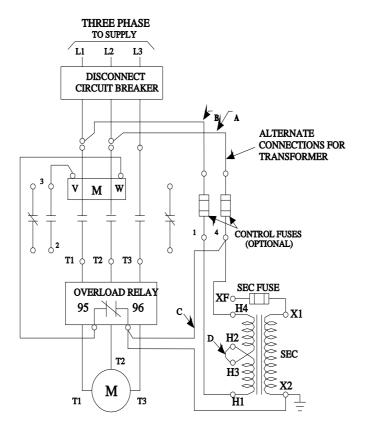
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG92BC14/certificate



CONDUITS TYP. TOP & BOTTOM

LETTER	Ö	ОN	DUIT	SIZE
Α	ø12.7	&	ø19	CONDUIT
В	ø31.8	&	ø38.	1 CONDUIT



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