SIEMENS

Data sheet

US2:17HUG82WE



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

product brand name	Class 17 & 25
design of the product	Full-voltage non-reversing motor starter with non-fusible disconnect
special product feature	ESP200 overload relay
General technical data	
Height x Width x Depth [in]	36 × 24 × 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
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	50 hp
• at 575/600 V rated value	50 hp
Contactor	
size of contactor	NEMA controller size 3
number of NO contacts for main contacts	3
operational current at AC at 600 V rated value	90 A
mechanical service life (operating 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), 2.5A@300VDC (Q300)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 50 Hz rated value	550 V
• at AC at 60 Hz rated value	575 600 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	50 %

ON-delay time 26 41 ms OPF-datay time 14 19 ms Overload elay ************************************	voltage	
Overload relay overload protection • overload protection • phase filture detection • phase filture detection • asymmetry detection • estimate detection		26 41 ms
product function Yes • overfoad protection Yes • phase full-inductates of the service o	•	
• overlaad protection • phase failure detection • yes • asymmetry detection • Yes • asymmetry detection • Yes • asymmetry detection • Yes • external reset • external reset • Yes • external reset • external reset • Yes • external reset • external reset • external reset • external reset • Yes • external reset • external reset • external reset • external reset • Yes • external reset • externa		
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tightening torque [lbf·in] at magnet coil 5 12 lbf·in		
type of connectable conductor cross-sections of magnet coil for 2		
AWG cables single or multi-stranded	AWG cables single or multi-stranded	
temperature of the conductor at magnet coil maximum 75 °C		75 °C
material of the conductor at magnet coil CU	•	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 for AWG cables for auxiliary contacts single or multi-stranded	type of connectable conductor cross-sections at contactor for	
temperature of the conductor at contactor for auxiliary contacts 75 °C maximum permissible	temperature of the conductor at contactor for auxiliary contacts	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	2
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	10
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=US2:17HUG82WE

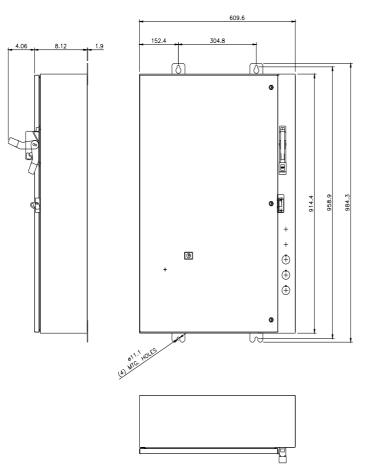
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

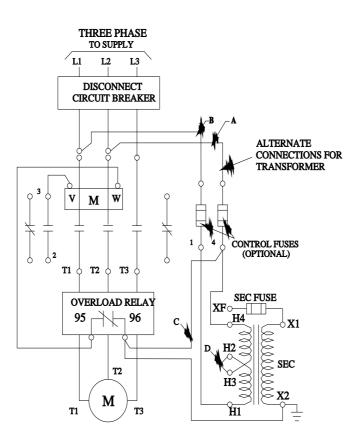
https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82WE

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17HUG82WE&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:17HUG82WE/certificate





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