SIEMENS

Data sheet

US2:17GUG82WF14



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solidstate overload relay, OLR amp range 25-100A, 110V 50Hz / 120V 60Hz coil, Combination type, 100A fusible disconnect, 100A/250V fuse clip, Encl NEMA type 4X 304 S-Steel, Water/dust tight noncorrosive, Extra-wide enclosure

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product brand name	Class 17
design of the product	Non-reversing motor starter with fusible disconnect
special product feature	ESP200 overload relay; Half-size controller
General technical data	
weight [lb]	78 lb
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
country of origin	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	15 hp
• at 220/230 V rated value	20 hp
 at 460/480 V rated value 	0 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	Controller half size 2 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	60 A
mechanical service life (switching cycles) of the main contacts typical	1000000
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 110 V • at AC at 50 Hz rated value 120 V holding power at AC minimum 8.6 W apparent pLot up power of magnet coil at AC 218 VA apparent pLot up power of magnet coil at AC 25 VA operating range factor control supply voltage rated value 0.85 1.1 of magnet coil 0.85 1.1 percent pLot voltage 19 29 ms OPF-delay time 19 29 ms Overload protection Yes • overload protection Yes • protect function Yes • overload protection Yes • esternal reset Yes reset function Yes • to das CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current-dependent doveldar relase Yes relative repeat acourary 1% product function Yes • at DC at 250 V		
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at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	tightening torque [lbf·in] for supply	120 120 lbf·in
permissible		1x (14 1/0 AWG)
material of the conductor for supply AL or CU	1 11 2	75 °C
	•	AL or CU
type of electrical connection for load-side outgoing feeder Box lug		Box lug
tightening torque [lbf·in] for load-side outgoing feeder 45 45 lbf·in		, , , , , , , , , , , , , , , , , , ,
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	
temperature of the conductor for load-side outgoing feeder maximum permissible 75 °C		75 °C

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=US2:17GUG82WF14 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG82WF14 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17GUG82WF14⟨=en					
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG82WF14/certificate					
https://support.industry.siemens.com/cs/OS/en/ps/OS2.11/OOOO270114/centindate					

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