SIEMENS

Data sheet

US2:17GUG82WH13



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solidstate overload relay, OLR amp range 25-100A, Combination type, 60A fusible disconnect, 60A/600V 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	0 hp			
 at 220/230 V rated value 	0 hp			
 at 460/480 V rated value 	0 hp			
• at 575/600 V rated value	30 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 1/z rated value 480 480 V • at AC at 50 1/z rated value 440 480 V • bloting power at AC minimum 88 W apparent ploting power of magnet coll at AC 28 VA apparent ploting power of magnet coll at AC 28 VA apparent ploting power of magnet coll at AC 28 VA apparent ploting power of magnet coll related to the input voltage of magnet coll 50.% OH-4elay time 10 24 ms OVerlad relay 10 24 ms Produit function Yes • overload protection Yes • asymmetry detection Yes • ast and reset Yes Product function Manual, automatic and remote • tipp class maximum 3 s relative reparts acoursy, protectical relative acoursy, 153.0 product fuelay represent protectical relative acoursy, 153.0 product fuelay represent protectical relative acoursy, 153.0 protectical relative acoursy, 154.0		200 440.14	
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	 asymmetry detection 	Yes	
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tightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x (14 2 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feederBox lugtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)			
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at AWG cables single or multi-stranded75 °Ctemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)			
permissible AL or CU 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 45 45 lbf·in type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded 1x (14 2 AWG)		1x (14 2 AWG)	
type of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)	1 11 2	75 °C	
tightening torque [lbf·in] for load-side outgoing feeder45 45 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x (14 2 AWG)	material of the conductor for supply	AL or CU	
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x (14 2 AWG)	type of electrical connection for load-side outgoing feeder	Box lug	
cables for load-side outgoing feeder single or multi- stranded	tightening torque [lbf-in] for load-side outgoing feeder	45 45 lbf·in	
temperature of the conductor for load-side outgoing feeder 75 °C	cables for load-side outgoing feeder single or multi-		
maximum permissible		75 °C	

motorial of the conductor for load side subscire for day				
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=US2:17GUG82WH13				
Service&Support (Manuals, Certificates, Characteristics, FAQs,)				
https://support.industry.siemens.com/cs/US/en/ps/US2:17GUG82WH13				
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17GUG82WH13⟨=en				
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:17GL	IG82W/H13/certificate			
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