SIEMENS

Data sheet US2:14GUG32WJ



Non-reversing motor starter, Size 2 1/2, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, 24VAC 50-60Hz coil, Non-combination type, Encl. type 4X 304 S. Steel, Water/dust tight noncorrosive, Standard width enclosure

Figure similar

design of the product space and product feature ESP200 overload relay; Half-size starter Ceneral technical data weight [Ib] 14 lb Height x Width x Depth [In] 16 x 8 x 6 in touch protection against electrical shock (NA for enclosed products) installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [FT] • during storage		
Special product feature Ceneral technical data weight [Ib] Height x Width x Depth [in] 16 x 8 x 6 in 10 touch protection against electrical shock installation altitude (fit) at height above sea level maximum ambient temperature [*F] • during storage • during storage • during storage • during storage • during operation ambient temperature • during storage • during operation 22 +40 *F ambient temperature • during storage • during operation 23 +65 *C 40 uring operation 24 +104 *F 35 +65 *C 40 uring operation 29 +40 *C country of origin USA **Horsepower ratings** yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value 30 hp contactor size of contactor number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 60 A mechanical service life (operating cycles) of the main contacts typical Auxillary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of too contacts at contactor for auxiliary contacts number of too contacts at contactor for auxiliary contacts 1 number of NC contacts at contactor for auxiliary contacts 1 number of NC contact at contactor for auxiliary contacts 1 number of VC contacts at contactor for auxiliary contacts 1 100,000000000000000000000000000000	·	Class 14
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number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 60 Hz rated value holding power at AC minimum 0 10A@600VAC (A600), 5A@600VDC (P600) AC 24 V holding power at AC minimum 8.6 W		10000000
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contact rating of auxiliary contacts of contactor according to UL type of voltage of the control supply voltage o at AC at 60 Hz rated value holding power at AC minimum 10A@600VAC (A600), 5A@600VDC (P600) AC 24 V 8.6 W	number of NO contacts at contactor for auxiliary contacts	1
type of voltage of the control supply voltage control supply voltage at AC at 60 Hz rated value holding power at AC minimum AC AC 24 V 8.6 W	number of total auxiliary contacts maximum	7
type of voltage of the control supply voltage control supply voltage outline at AC at 60 Hz rated value holding power at AC minimum AC 24 V 8.6 W	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage • at AC at 60 Hz rated value holding power at AC minimum 8.6 W	Coil	
◆ at AC at 60 Hz rated value Ac at 60 Hz rated value 24 V holding power at AC minimum 8.6 W	type of voltage of the control supply voltage	AC
holding power at AC minimum 8.6 W	control supply voltage	
	at AC at 60 Hz rated value	24 V
	holding power at AC minimum	8.6 W
	apparent pick-up power of magnet coil at AC	218 VA

apparent holding power of magnet coil at AC	25 VA
operating range factor control supply voltage rated value of	0.85 1.1
magnet coil	
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
 overload protection 	Yes
 phase failure detection 	Yes
 asymmetry detection 	Yes
 ground fault detection 	Yes
• test function	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- 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
Enclosure	
Enclosure degree of protection NEMA rating	4X, 304 stainless steel
	4X, 304 stainless steel Dust-tight, watertight & corrosion resistant
degree of protection NEMA rating	·
degree of protection NEMA rating design of the housing	·
degree of protection NEMA rating design of the housing Mounting/wiring	Dust-tight, watertight & corrosion resistant
degree of protection NEMA rating design of the housing Mounting/wiring mounting position	Dust-tight, watertight & corrosion resistant Vertical
degree of protection NEMA rating design of the housing Mounting/wiring mounting position fastening method	Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation
degree of protection NEMA rating design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation Box lug
degree of protection NEMA rating 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 at	Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation Box lug 45 45 lbf·in
degree of protection NEMA rating 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 at AWG cables single or multi-stranded	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG)
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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C
design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [libf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU
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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug
degree of protection NEMA rating 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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for	Vertical Surface mounting and installation Box lug 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf-in
degree of protection NEMA rating 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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf·in 1x(14 - 2 AWG)
degree of protection NEMA rating 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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C
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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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf·in 1x(14 - 2 AWG)
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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at	Vertical Surface mounting and installation Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf·in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf·in 1x(14 - 2 AWG)
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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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Vertical Surface mounting and installation Box lug 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Box lug 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU
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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	2 x (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)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	14 kA
• at 480 V	10 kA
• at 600 V	10 kA
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=US2:14GUG32WJ

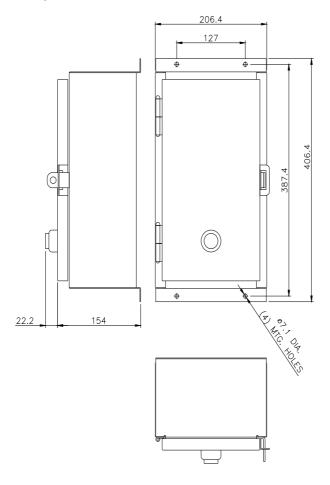
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

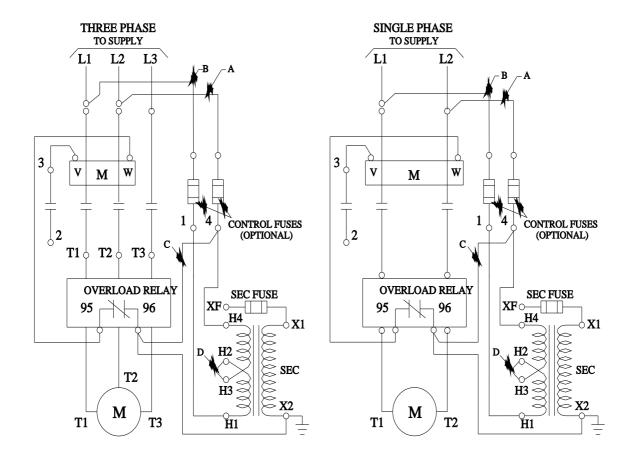
https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32WJ

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14GUG32WJ&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32WJ/certificate





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