SIEMENS

Data sheet US2:14GUG32WA



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

| product brand name | Class 14 |
|---|---|
| design of the product | Full-voltage non-reversing motor starter |
| special product feature | ESP200 overload relay; Half-size starter; Dual voltage coil |
| General technical data | |
| weight [lb] | 14 lb |
| Height x Width x Depth [in] | 16 × 8 × 6 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 | 30 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 (operating cycles) of the main contacts typical | 10000000 |
| 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 60 Hz rated value | 110 240 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 magnet coil | 0.85 1.1 |
|--|--|
| 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- | 25 100 A |
| 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 | |
| | |
| degree of protection NEMA rating of the enclosure | NEMA 4x 304 stainless steel enclosure |
| degree of protection NEMA rating of the enclosure design of the housing | NEMA 4x 304 stainless steel enclosure Dust-tight, watertight & corrosion resistant |
| - · · · · · · · · · · · · · · · · · · · | |
| design of the housing Mounting/wiring | |
| design of the housing Mounting/wiring mounting position | Dust-tight, watertight & corrosion resistant Vertical |
| design of the housing Mounting/wiring mounting position fastening method | Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation |
| 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 |
| design of the housing Mounting/wiring mounting position fastening method | Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation Box lug |
| 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 | 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 for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible | Vertical Surface mounting and installation Box lug 45 45 lbf-in 1x(14 - 2 AWG) |
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| 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 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 for 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 for 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 Sorew-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals |
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| 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 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 |
| Approvals Certificates | |

Test Certificates



Industrial Controls - Product Overview (Catalogs, Brochures,...)

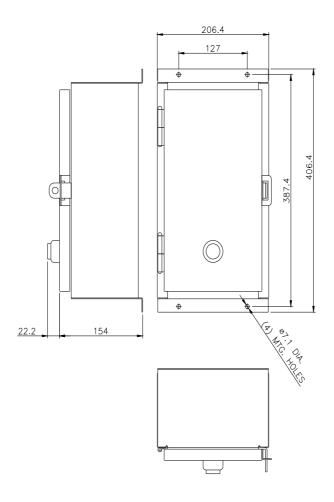
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14GUG32WA

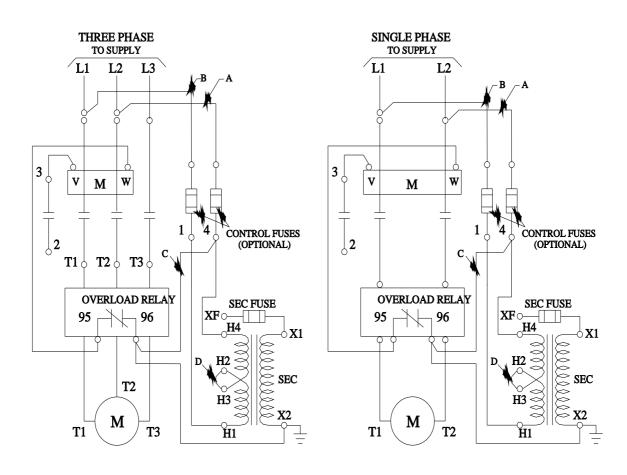
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32WA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14GUG32WA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14GUG32WA/certificate





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