SIEMENS

Data sheet US2:14HUG820D



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLRelay amp range 25-100A, 208VAC 60HZ coil, Non-combination type, Enclosure type 12, Dust/drip proof for indoors, Extra-wide enclosure

| product brand name | Class 14 | | |
|---|--|--|--|
| design of the product | Full-voltage non-reversing motor starter | | |
| special product feature | ESP200 overload relay | | |
| General technical data | · | | |
| weight [lb] | 48 lb | | |
| Height x Width x Depth [in] | 26 × 13 × 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 | 25 hp | | |
| • at 220/230 V rated value | 30 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 | | |
| operating voltage for main current circuit at AC at 60 Hz maximum | 600 V | | |
| operational current at AC at 600 V rated value | 90 A | | |
| mechanical service life (operating cycles) of the main contacts typical | 5000000 | | |
| 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 | 208 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 voltage | 50 % | | |
| ON-delay time | 26 41 ms | | |
| OFF-delay time | 14 19 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 | | | |
| | Extra-wide | | |
| design of the housing | Extra-wide Extra-wide NEMA Type 12 | | |
| | Extra-wide NEMA Type 12 | | |
| design of the housing degree of protection NEMA rating of the enclosure design of the housing | | | |
| design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring | Extra-wide NEMA Type 12 Dust tight and drip proof for indoors | | |
| design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position | Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical | | |
| design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method | Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation | | |
| design of the housing degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side | Extra-wide NEMA Type 12 Dust tight and drip proof for indoors Vertical Surface mounting and installation Box lug | | |
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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 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 |
| hort-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 |
| pprovals Certificates | |
| Test Certificates | |



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=US2:14HUG820D

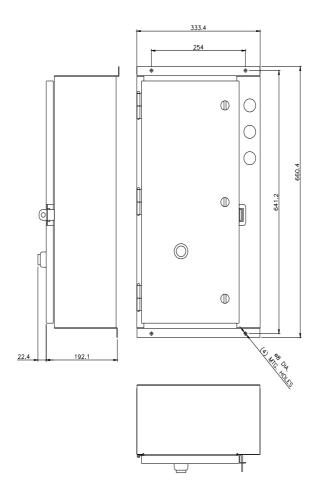
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG820D

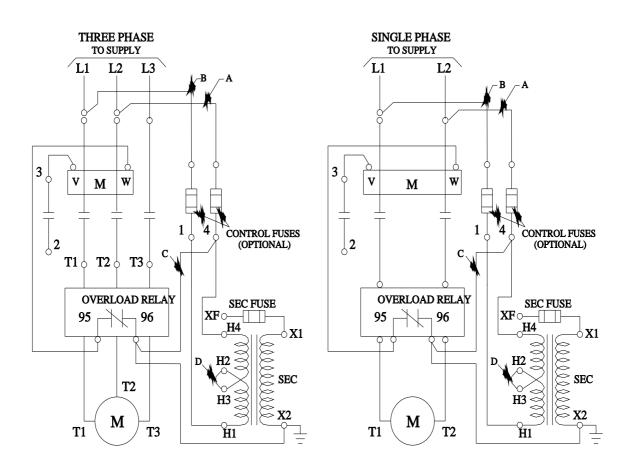
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14HUG820D&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG820D/certificate





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