## SIEMENS

## Data sheet

## US2:14HUG32FG



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

Figuresimilar
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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]	41 lb
Height x Width x Depth [in]	24 × 24 × 7 in
touch protection against electrical shock	(NA for enclosed products)
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
<ul> <li>during storage</li> </ul>	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
<ul> <li>during storage</li> </ul>	-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
<ul> <li>at 575/600 V rated value</li> </ul>	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 (switching cycles) of the main contacts typical	500000
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	

holding power at AC minimum     14 W       apparent holding 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     0.851.1       of magnet coil     50 %       ON-delay time     26 41 ms       OFF-delay time     14 19 ms       Overload protection     Yes       • protent af drop-out voltage of magnet coil     Yes       • phase failure detection     Yes       • overload protection     Yes       • external reset     Yes       • reset function     Yes       tripping time at phase-loss maximum     3 s       3 s     relave       relave repeat accuracy     1%       product feature protective coating on printed-circuit boad     1       relav     auxiliary contacts of overload relay       operational current of auxiliary contacts of overload relay     5A       • at DC at 250 V     1A       • at DC at 250 V     1A       insulation ovoltage (U)     • with mult
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         0.85 1.1           of magnet coil         50 %           percental drop-out voltage of magnet coil related to the input voltage         50 %           ON-delay time         26 41 ms           OVercload relay         14 19 ms <b>Overload relay</b> Yes           product function         Yes           • overload protection         Yes           • overload fault detection         Yes           • overload fault detection         Yes           • overload relay         Yes           • overload related         10 / 20 (factory set) / 30
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           percential drop-out voltage of magnet coil related to the input voltage.         50 %.           ON-delay time         26 41 ms           OFF-delay time         14 19 ms <b>Overtoad roles</b> Yes           • overload protection         Yes           • hase failure detection         Yes           • symmetry detection         Yes           • est function         Yes           • est function         Yes           • est function         Yes           • est function         Yes           trip class         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current dependent overload release         1%           product feature protective coating on printed-circuit board relay         1%           product feature protective coating on printed-circuit board relay         1           • et AC at 600 V         5 A           • et AC at 600 V         5 A           • et AC at 600 V         5 A           • et AC at 250 V         1 A           constat rating of auxiliary contacts of overload relay according to U.         5 A
operating range factor control supply voltage rated value         0.85 1.1           of magnet coll         50 %           percental drop-out voltage of magnet coil related to the input voltage         50 %           ON-delay time         26 41 ms           OVertoad rate         50 %           overtoad rotection         Yes           • product function         Yes           • product function         Yes           • product function         Yes           • external reset         Yes           • external reset         Yes           • external reset         Yes           reset function         Manual, automatic and remote           trip class         manual, automatic and remote           trip class         Trip class           external reset         Yes           reset function         Manual, automatic and remote           trip class         momber of NC contacts of auxiliary contacts of overload           tripping time at phase-loss maximum         3 s           relative repost accuracy         1%           product faulter protective coating on printed-circuit board         1           number of NC contacts of auxiliary contacts of overload         1           relay         et AC at 800 V         5 A
of magnet coli percental drop-out voltage of magnet coli related to the input voltage ON-delay time OFF-delay time 0-vertoad protection • overtoad release tripping time at phase-loss maximum • relative repreterat accuracy • relative repreterat accuracy • relative repreterat accuracy • overtoad a current of auxiliary contacts of overtoad relay • overtoad of auxiliary contacts of overtoad relay • overtoad for the overtoad release • overtoad for the overtoad relay • overtain of auxiliary contacts of overtoad relay • overtain of auxiliary contacts of overtoad relay • overtain of auxiliary contacts of overtoad • overtoad relay • overtain of auxiliary contacts of overtoad relay • overtain of auxiliary contacts of overtoad relay • overtain of auxiliary contacts of overtoad relay • overtain at AC rated value • overtain multi-phase operation at AC rated value • overtain • overtical • overtical • overtical • overtical • overtical • overtical • overtical
input voltage         26 41 ms           OFF-delay time         14 19 ms           Overload relay         input voltage           product function         Yes           • overload protection         Yes           • option fault detection         Yes           • option fault detection         Yes           • option fault detection         Yes           • external reset         Yes           • external reset         Yes           reset function         Yes           tripp class         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current-         25 100 A           reself unction         1%           tripping time at phase-loss maximum         3 s           relative repeat accuracy         1%           product feature protective coating on printed-circuit board         1           number of NC contacts of auxiliary contacts of overload         1           relay         at AC at 600 V         5 A           • at DC at 250 V         1A           contact rating of auxiliary contacts of overload relay         5A@@600VAC (B600), 1A@250VDC (R300)           • etcD at 250 V         1A           insulation votage (Ui)         600 V         300 V </td
OFF-delay time       14 19 ms         Overload relay       product function         • overload protection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • error of all detection       Yes         • est function       Yes         • est function       Yes         • est function       Yes         • est function       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 vertoad release       1%         product fault dure protective coating on printed-circuit board       1%         product fault dure protective coating on printed-circuit board       1         number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • at CC at 250 V       1A         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         design of the housing       Dust
Overload relay           product function           • ovarload protection           • phase failure detection           • asymmetry detection           • ground fault detection           • est function           • est function           • est function           • est function           tip class           cLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent overload release           tripping time at phase-loss maximum           relative repeat accuracy           number of NC contacts of auxiliary contacts of overload relay           number of NC contacts of auxiliary contacts of overload relay           • at AC at 600 V           • at AC at 600 V           • at AC at 600 V           • at DC at 250 V           Insulation voltage (U)           • with single-phase operation at AC rated value           • with single-phase operation at AC rated value           600 V           300 V           Enclosure           design of the housing           mounting position           fastening method           type of electrical connection for supply voltage line-side           fastening method           type of electricat connec
product function         Yes           • overload protection         Yes           • phase failure detection         Yes           • asymmetry detection         Yes           • ground fault detection         Yes           • ester function         Yes           • esternal reset         Yes           reset function         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         1           relay         operational current of auxiliary contacts of overload         1           relay         operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5 A           eat DG at 250 V         1 A           contact rating of auxiliary contacts of overload relay         5A@600VAC (B600), 1A@250VDC (R300)           insulation vortage (UI)         600 V         300 V
• overload protection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • ground fault detection       Yes         • external reset       Yes         adjustable current response value current of the current- dependent overload release       CLASS 5 / 10 / 20 (factory set) / 30         attripping time at phase-loss maximum       3 s       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 NC contacts of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary co
• 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       1         relay       1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A
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• 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 number of NC contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay eat AC at 600 V       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5 A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (UI)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side
• 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 number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay according to UL         5 A           ontacts at 600 V         5 A           at C at 600 V         1 A           contact rating of auxiliary contacts of overload relay according to UL         5A@600VAC (B600), 1A@250VDC (R300)           insulation voltage (Ui)         600 V           with single-phase operation at AC rated value         600 V           etgree of protection NEMA rating design of the housing         Dust-tight, watertight & corrosion resistant           Mounting witing mounting position         Vertical           fasterning method         Surface mounting and installation           type of electrical connection for suppl
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         operational current of auxiliary contacts of overload relay       1         eat AC at 600 V       5 A         eat DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         adegree of protection NEMA rating       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Dust-tight, watertight & corrosion resistant         Mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in   <
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         operational current of auxiliary contacts of overload relay       1         e 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       600 V         • with multi-phase operation at AC rated value       600 V         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connecta
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dependent overload release         tripping time at phase-loss maximum         relative repeat accuracy         product feature protective coating on printed-circuit board         number of NC contacts of auxiliary contacts of overload         relay         number of NO contacts of auxiliary contacts of overload         relay         operational current of auxiliary contacts of overload relay         • at AC at 600 V         • at DC at 250 V         • at DC at 250 V         insulation voltage (Ui)         • with single-phase operation at AC rated value         • with multi-phase operation at AC rated value         600 V         • with multi-phase operation at AC rated value         600 V         mounting of the housing         Dust-tight, watertight & corrosion resistant         Mounting/wiring         mounting position         type of electrical connection for supply voltage line-side         box lug         tightening torque [lbf-in] for supply         tightening torque [lbf-in] for supply         type of connectable conductor cross-sections at line-side         type of connectable conductor cross-sections at line-side
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       1         • 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)       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       4X, fiber glass         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Surface mounting and installation         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         number of NO contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       1         • 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)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
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       1         • 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         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       4X, fiber glass         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
relay       1         number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       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       600 V       300 V         Enclosure       Just AC rated value       600 V         degree of protection NEMA rating       4X, fiber glass       Just Acording to Surface mounting and installation         Mounting/wiring       Just According and installation       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [Ibf-In] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x (14 - 2/0 AWG)
relay       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         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       4X, fiber glass         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         tastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x (14 - 2/0 AWG)
• 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       600 V       •         • with multi-phase operation at AC rated value       600 V       •         • with multi-phase operation at AC rated value       300 V       •         Enclosure       4X, fiber glass       •         degree of protection NEMA rating       4X, fiber glass       •         design of the housing       •       •         Mounting/wiring       •       Vertical       •         fastening method       Surface mounting and installation       •         type of electrical connection for supply voltage line-side       Box lug       •         tightening torque [lbf-in] for supply       120 120 lbf-in       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)       •
• 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         600 V         500 V           • with multi-phase operation at AC rated value         600 V         500 V           • with multi-phase operation at AC rated value         300 V         500 V           Enclosure         4X, fiber glass         500 V           degree of protection NEMA rating         4X, fiber glass         500 V           design of the housing         500 V         500 V           Mounting/wiring         700 Vertical         500 V           mounting position         Vertical         500 V           fastening method         Surface mounting and installation         500 V           type of electrical connection for supply voltage line-side         500 V         500 V           tightening torque [lbf-in] for supply         120 120 lbf-in         120 AWG)
contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       4X, fiber glass         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
according to UL       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       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
<ul> <li>with single-phase operation at AC rated value</li> <li>with multi-phase operation at AC rated value</li> <li>300 V</li> </ul> Enclosure           degree of protection NEMA rating         4X, fiber glass           design of the housing         Dust-tight, watertight & corrosion resistant           Mounting/wiring         mounting position           fastening method         Surface mounting and installation           type of electrical connection for supply voltage line-side         Box lug           tightening torque [lbf-in] for supply         120 120 lbf-in           type of connectable conductor cross-sections at line-side         1x(14 - 2/0 AWG)
with multi-phase operation at AC rated value 300 V      Enclosure      degree of protection NEMA rating 4X, fiber glass     design of the housing Dust-tight, watertight & corrosion resistant      Mounting/wiring      mounting position Vertical     fastening method Surface mounting and installation     type of electrical connection for supply voltage line-side Box lug      tightening torque [lbf-in] for supply         120 120 lbf-in         type of connectable conductor cross-sections at line-side 1x(14 - 2/0 AWG)
Enclosure         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         Mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring
design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
Mounting/wiring         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf·in] for supply       120 120 lbf·in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2/0 AWG)
fastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side1x(14 - 2/0 AWG)
type of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side1x(14 - 2/0 AWG)
type of electrical connection for supply voltage line-sideBox lugtightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side1x(14 - 2/0 AWG)
type of connectable conductor cross-sections at line-side 1x(14 - 2/0 AWG)
temperature of the conductor for supply maximum 75 °C permissible
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 120 120 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded 1x(14 - 2/0 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible 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 2 x (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	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (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	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	
breaking capacity maximum short-circuit current (lcu)		
• 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=US2:14HUG32FG Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32FG Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14HUG32FG⟨=en Cortificates(approvale		
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:14HL	JG32FG/certificate	

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32FG/certificate

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