## SIEMENS

## Data sheet

## US2:14HUG32BE



Non-reversing motor starter, Size 3, Three phase full voltage, Solid-state overload relay, OLR amp range 25-100A, Non-combination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure

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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]	25 lb
Height x Width x Depth [in]	20 × 12 × 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]	
<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
• 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 (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	

• el AC al 60 Hz rated value     675 600 V       holding power at AC minimum     14 W       apparent pickup power of magnet coil at AC     26 VA       apparent pickup power of magnet coil at AC     26 VA       operating range factor control supply voltage rated value     68 1.1       of magnet coil     50 %       input voltage     68 1.1       ON-olday time     26 41 ms       OV-roload ratay     788       product function     Yes       • overload protection     Yes       • piase failure detection     Yes       • asymmetry detection     Yes       • external reset     Yes       • external reset     Yes       • external reset     Yes       reset function     Yes       tripo class     CLASS 57 / 10 / 20 (feetory set) / 30       digutable contacts of auxiliary contacts of overload     1       relative repeat accuracy     1%       product function enderse maximum     3 is       relative repeat accuracy     1%       product reture protective costing on printed-circuit boad     1       relative repeat accuracy     1%       product reture protective costing on printed-circuit boad     1       relative repeat accuracy     1A       ocontact sof auxiliary contacts of overload     1   <	a at AC at 50 Hz rated value	550.1/
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     0.85 1.1       of magnet coil     50 %       percental drop-out voltage of magnet coil related to the input voltage.     50 %       OV-obley time     26 41 ms       OVF-obley time     26 41 ms       OVerload rates     Yes       • phase failure detection     Yes       • overload protection     Yes       • external rest     Yes       • external rest     Yes       • external rest     Yes       tip dass     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current.     3 s       relative repeat accuracy     1 %       product facture protective coating on printed-circuit board     1       relative repeat accuracy     1 %       product rating protection NEAS of overload relay     5 A       • at AC at 600 V     5 A       •	at AC at 50 Hz rated value	550 V
separent pickup power of magnet coll at AC         \$10 VA           apparent holding power of magnet coll at AC         26 VA           operating range factor control supply voltage related value         0.85 1.1           of magnet coll related to the input voltage         50 %           DN-delay time         26 41 ms           OFF-delay time         14 19 ms           Overload relay         ************************************		
apparent hoking power of magnet coil etated         26 VA           operating range factor control supply voltage rated value of magnet coil         0.85 1.1           of megnet 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 ratay         Yes           product function         Yes           • overload protection         Yes           • overload protection         Yes           • overload fault detection         Yes           • overload relation         Yes           • overload rotatid         Yes           • overload relation         Yes           reset function         Manual, automatic and remote           titp class         class 5 / 10 / 20 (factory set) / 30           adutatable current of auxiliary contacts of overload <td></td> <td></td>		
operating range factor control supply voltage rated value of magnet coll         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           Overload relay         Yes           product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • external reset         Yes           reset function         Manual, automatic and remote           trip class         CLASS 67 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent overload release         25 100 A           dependent overload aculiary contacts of overload relay         1 %           product feature protective coating on printed-circuit baard relay         1           number of NO contacts of auxiliary contacts of overload relay         1           orbit relating of auxiliary contacts of overload relay ecording to UL         5 Å           i at DC at 250 V         1 Å           orbit relating or d		
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           Vorticad role         9           product function         Yes           • overload protection         Yes           • asymmetry detection         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           triping time at phase-loss maximum         3 s           relative repeat accuracy         1 %           product feature protective coating on printed-circuit baad         1           relative repeat accuracy         1 %           percentional current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay according to UL         5 A           is LD C at 250 V	operating range factor control supply voltage rated value	
ON-delay time       26 41 ms         OFF-delay time       14 19 ms         Product function       4         • verioad protection       Yes         • optase failure detection       Yes         • esternal reset       Yes         • external reset       Yes         reset function       Yes         • external reset       Yes         reset function       Yes         reset function       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload relases       3 s         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       1         number of NO contacts of auxiliary contacts of overload       1         relative repeat accuracy       1 %         operational current of auxiliary contacts of overload relay       5 A         • et A C at 600 V       5 A         • et A C at 600 V       5 A         • et A C at 600 V       5 A         • et A C at 600 V       5 A         • et A C at 600 V       5 A         • et A C at 600 V       5 A         • et A C at 600 V       5 A <td>percental drop-out voltage of magnet coil related to the</td> <td>50 %</td>	percental drop-out voltage of magnet coil related to the	50 %
OFF-delay time     14 19 ms       Overload rolay     Product function       • overload protection     Yes       • optimetry detection     Yes       • optimetry detection     Yes       • ester function     Yes       • external reset     Yes       reset function     Yes       • external reset     Yes       reset function     Yes       eigendent overload release     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current.     25 100 A       tripping time at phase-loss maximum     3 s       relative reposet accuracy     1%       product fauture protective coating on printed-circuit bard     1       relay     0 Contacts of auxiliary contacts of overload relay       • eit AC at 600 V     5 A       • alt DC at 250 V     1 A       contact rating of auxiliary contacts of overload relay     300 V       • with single-phase operation at AC rated value     300 V       ewith single-phase operation at AC rated value     300 V       endersor     1       degree of protection NEMA rating		26 41 mg
Ovarload rolay           product function           • overdoad protection           • phase failure detection           • asymmetry detection           • ground fault detection           • ground fault detection           • external reset           • reset function           Impolation at comment of the current-           • relative represt accuracy           1 %           • product feature protective coating on printed-circuit board           number of NO contacts of auxiliary contacts of overload           • eta CC at 280 V           • at CC at 280 V           • at CC at 280 V		
product function         Yes           • oytase failure detection         Yes           • oytase failure detection         Yes           • asymmetry detection         Yes           • esternal reset         Yes           reset function         Yes           • external reset         Yes           adjustable current response value current of the current-dependent overload release         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           operational current of auxiliary contacts of overload relay         5 A           • at AC at 600 V         5 A           • at C at 600 V         5 A           insulation voltage (Ui)         600 V           • with multi-phase operation at AC rated value         500 V           • at C at 600 V         5 A           indoor general purpose use		14 13 1115
• overload protection     Yes       • phase failure detection     Yes       • symmetry detection     Yes       • ground fault detection     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-     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current-     CLASS 5 / 10 / 20 (factory set) / 30       relative repeat accuracy     1 %       product feature protective coating on printed-circuit board     Yes       number of NC contacts of auxiliary contacts of overload relay     1       • at DC at 250 V     5 A       • at DC at 250 V     1 A       contact rating of auxiliary contacts of overload relay     5 A       • with multi-phase operation at AC rated value     600 V       • with multi-phase operation at AC rated value     300 V       Feacoure <td></td> <td></td>		
• phase failure detection       Yes         • asymmetry detection       Yes         • ground fault detection       Yes         • external reset       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 vorthoad release       25 100 A         1ripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product fault detruce rotective 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       5 A         • at DC at 250 V       1A         ocntact rating of auxiliary contacts of overload relay       5A@600VAC (B600), 1A@250VDC (R300)         • 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         • with single-phase operation at AC rated value       300 V         etactor       fastening method         type of electrical connection for supply voltage line-side       Box lug      <		Voc
• asymmetry detection     Yes       • ground fault detection     Yes       • least function     Yes       • external reset     Yes       resect 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       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     1       operational current of auxiliary contacts of overload relay     5 A       • at DC at 250 V     1 A       operation voltage (UI)     600 V       • with single-phase operation at AC rated value     600 V       • with single-phase operation at AC rated value     300 V       Fectosure         degree of protection NEMA rating     1       fastening method     Surface mounting and installation       type of electrical connection for supply voltage line-side     at/(1 - 2/0 AWG)       type of electrical connection for supply maximum     75 °C       mounting voltage or multi-stranded     tx(14 - 2/0 AWG)       <	•	
• 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       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 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       aboy voltage (UI)     600 V       • with multi-phase operation at AC rated value     500 V       mounting position     Vertical       fastening method     Surface mounting and installation       type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded     1x(14 - 20 AWG)       type of electrical connector for supply maximum permissible     75 °C </td <td></td> <td></td>		
• 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 overhoad 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         operational current of auxiliary contacts of overload relay according to UL       5 A         insulation voltage (U)       600 V         • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       300 V         Enclosure       1         degree of protection NEMA rating       1         indoor general purpose use       Mounting/Wring         mounting position       Vertical         festening method       Surface mounting and installation         tightening torque [Ibf in] for supply voltage line-side at AWG cables single or multi-stranded       1x(14 - 2/0 AWG)         tightening torque [Ibf in] for supply maximum       75 °C         material of the c		
• 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         operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5 A           • at AC at 600 V         5 A           • at C at 20 V         1 A           contact raing of auxiliary contacts of overload relay         5 A@600VAC (B600), 1A@250VDC (R300)           according to UL         insulation voltage (U)         600 V           • with multi-phase operation at AC rated value         600 V         general purpose use           Mounting/wring         1         Indoor general purpose use           Mounting/wring         1         Indoor general purpose use           Mounting vorting lorinellor for supply voltage line-side         Box lug         1x(14 - 2/0 AWG)           tightening torq	0	
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           operational current of auxiliary contacts of overload relay exactoring to UL         5 A           insulation voltage (Ui)         400 V         5 A           insulation voltage (Ui)         600 V         300 V           exclosure         300 V         300 V           Enclosure         1         1           degree of protection NEMA rating         1           design of the bousing         1         10           Mounting/wiring         1         1           mounting position         Vertical         Surface mounting and installation           type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded         1x(14 - 20 AWG)           type of electrical connection for supply <td< td=""><td></td><td></td></td<>		
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         1           number of NC contacts of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5 Å           operational current of auxiliary contacts of overload relay         5 Å           eta DC at 250 V         1 Å           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 single-phase operation at AC rated value         600 V           • with single-phase operation at AC rated value         500 V           degree of protection NEMA rating         1           design of the housing         Indoor general purpose use           Mounting/wiring         Surface mounting and installation           type of connectable conductor for supply voltage line-side         Box lug           tightening torque [lbf-in] for supply         120 120 lbf-in           typ		
adjustable current response value current of the current- dependent overload release       25 100 Å         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 Å         • at DC at 250 V       1 Å         contact rating of auxiliary contacts of overload relay according to UL       5 Å         insulation voltage (Ui)       • 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       300 V         Enclosure       degree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tipping interver       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Box lug		
dependent overload release       3 s         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 according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V       5 A         degree of protection NEMA rating       1       1         design of the housing       Indoor general purpose use       Mounting/wiring         mounting position       Vertical       5 Surface mounting and installation         type of connectable conductor for supply voltage line-side       Box lug       1x(14 - 20 AWG)         tightening torque (Ibrin) for supply       1x(14 - 20 AWG)       1x(14 - 20 AWG)         type of electrical connection for supply maximum permissible       75 °C       material of the conductor for supply         type of electrical connection for supply       AL or CU       Box		
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       1         operational current 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	dependent overload release	
product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         number of NO contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       5 A         • at AC at 600 V       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       600 V         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       Indoor general purpose use         Mounting/wring       Indoor general purpose use         Mounting/wring       Indoor general purpose use         Mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug         tightening torque [bf-in] for supply       120 120 lbf-in         yep of electrical conductor for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of el		
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       600 V         • with multi-phase operation at AC rated value       600 V       300 V         Enclosure       Indoor general purpose use       Mounting/wiring         mounting position       Vertical       Surface mounting and installation         type of electrical connection for supply voltage line-side       Box lug       1x(14 - 2/0 AWG)         tightening torque [IbFin] for supply       120 120 IbFin       1x(14 - 2/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C       1x(14 - 2/0 AWG)         material of the conductor for supply       AL or CU       4L or CU         type of electrical connection for load-side outgoing feeder       Box lug       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       600 V         • with multi-phase operation at AC rated value       600 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • with multi-phase operation at AC rated value       800 V       600 V         • degree of protection NEMA rating       1       fastening method       5 A         fastening method       Surface mounting and installation       90 Log 120 lbf in		
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       5A@600VAC (B600), 1A@250VDC (R300)         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       400 represented to a state of the housing         degree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring       1         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)         at AWG cables single or multi-stranded       75 °C         material of the conductor for supply maximum       75 °C         permissible       Box lug	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)       600 V         • 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       1         design of the housing       Indoor general purpose use         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 at AWG cables single or multi-stranded       1x(14 - 2/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       Box lug	relay	1
• 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       300 V         Enclosure       1         degree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring       1         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 at AWG cables single or multi-stranded       1x(14 - 2/0 AWG)         t AWG cables single or multi-stranded       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Box lug	operational current of auxiliary contacts of overload relay	
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       1         degree of protection NEMA rating       1         design of the housing       Indoor general purpose use         Mounting/wiring       1         mounting position       Vertical         fastening method       Surface mounting and installation         tightening torque [lbf-in] 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 at AWG cables single or multi-stranded       1x(14 - 2/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Box lug	• at AC at 600 V	
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       1         design of the housing       Indoor general purpose use         Mounting/wiring       Indoor general purpose use         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)         at AWG cables single or multi-stranded       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Box lug		
• with single-phase operation at AC rated value600 V• with multi-phase operation at AC rated value300 VEnclosure300 Vdegree of protection NEMA rating1design of the housingIndoor general purpose useMounting/wiringVerticalmounting positionVerticalfastening 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-side at AWG cables single or multi-stranded1x(14 - 2/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug		5A@600VAC (B600), 1A@250VDC (R300)
• with multi-phase operation at AC rated value300 VEnclosuredegree of protection NEMA rating1design of the housingIndoor general purpose useMounting/wiringmounting positionVerticalfastening 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)at AWG cables single or multi-stranded75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug		
Enclosuredegree of protection NEMA rating1design of the housingIndoor general purpose useMounting/wiringmounting positionVerticalfastening 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)at AWG cables single or multi-stranded75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug	<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
degree of protection NEMA rating1design of the housingIndoor general purpose useMounting/wiringmounting positionVerticalfastening 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)at AWG cables single or multi-stranded75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug		300 V
design of the housing       Indoor general purpose use         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 at AWG cables single or multi-stranded       1x(14 - 2/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Box lug	Enclosure	
Mounting/wiringmounting positionVerticalfastening 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-side at AWG cables single or multi-stranded1x(14 - 2/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug	degree of protection NEMA rating	1
mounting positionVerticalfastening 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-side at AWG cables single or multi-stranded1x(14 - 2/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug	design of the housing	Indoor general purpose use
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-side at AWG cables single or multi-stranded1x(14 - 2/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug	Mounting/wiring	
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-side at AWG cables single or multi-stranded1x(14 - 2/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug	mounting position	Vertical
tightening torque [lbf·in] for supply120 120 lbf·intype of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded1x(14 - 2/0 AWG)temperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lug	fastening method	Surface mounting and installation
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded       1x(14 - 2/0 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       Box lug	type of electrical connection for supply voltage line-side	Box lug
at AWG cables single or multi-stranded       ************************************	tightening torque [lbf·in] for supply	120 120 lbf·in
permissible     AL or CU       material of the conductor for supply     AL or CU       type of electrical connection for load-side outgoing feeder     Box lug		1x(14 - 2/0 AWG)
type of electrical connection for load-side outgoing feeder Box lug	1 11 2	75 °C
type of electrical connection for load-side outgoing feeder Box lug	material of the conductor for supply	AL or CU
tightening torque [lbf-in] for load-side outgoing feeder 120 120 lbf-in		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)	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	1x(14 - 2/0 AWG)
temperature of the conductor for load-side outgoing feeder 75 °C maximum permissible		75 °C
material of the conductor for load-side outgoing feeder AL or CU		AL or CU
type of electrical connection of magnet coil screw-type terminals		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)	type of connectable conductor cross-sections of magnet	2 x (16 - 12 AWG)

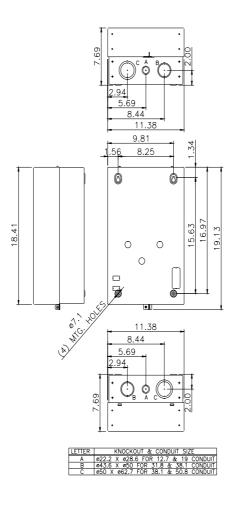
temperature of the conductor at magnet coil maximum permissible	75 °C			
material of the conductor at magnet coil	CU			
type of electrical connection for auxiliary contacts	screw-type terminals			
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in			
type of connectable conductor 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 (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=US2:14HUG32BE Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32BE

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14HUG32BE&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32BE/certificate



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