## SIEMENS

## Data sheet

## US2:14HUG32BH



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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and that have discussed		
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	
<ul> <li>at 220/230 V rated value</li> </ul>	30 hp	
<ul> <li>at 460/480 V rated value</li> </ul>	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		

		200 440.1/
Indiag power at AC minimum     14 W       apparent holding power of magnet coll at AC     20 VA       apparent holding power of magnet coll at AC     20 VA       apparent holding power of magnet coll at AC     20 VA       apparent holding power of magnet coll at AC     20 VA       apparent holding power of magnet coll at AC     20 VA       apparent holding power of magnet coll related to the holding power of the second	at AC at 50 Hz rated value	380 440 V
apparent pick-up power of magnet coil at AC         310 VA           apparent holding power of magnet coil at AC         26 VA           apparent holding power of magnet coil at AC         0.85 1.1           provential drop-out voltage of magnet coil related to the infight of toil         60 %           ON-delay time         14 19 ms           ON-delay time         14 19 ms           Overtoad relay         0.85 1.1           product function         Yes           • phase failure detection         Yes           • apparent holding tole         Yes           • apparent holding tole         Yes           • apparent holding tole         Yes           • protection         Yes           • apparent holding tole         Yes           reatt horiton         Yes		
apperent holding power of magnet coil at AC         26 VA           obstation trapped color control supply voltage rated value         0.85 1.1           orbit of trapped color control supply voltage rated value         60 %           OH-delay time         26 41 ms           OPF-delay time         14 13 ms           Overload protection         Yes           overload protection         Yes           opcount function         Yes           vesternal reset         Yes           opcount function         Yes           reset function         Manual, automatic and remote           trip class         CLASS 5 / 10 / 20 (factory set) / 30           adjustate current of the current.         25 100 A           opprational current of auxillary contacts of overload file         1 <td></td> <td></td>		
operating range factor control supply voltage rated value of magnet Coll         0.85 1.1           percental drop-out voltage of magnet coll related to the input voltage         50 %           ON-telesty time         26 41 ms           OVerload Tuby         7           product function         Yes           optimized production         Yes           e pase failure detection         Yes           e ground fault detection         Yes           e ground fault detection         Yes           e external reset         Yes           reset function         Yes           electrant reset         Yes           reset function         Yes           external reset         Yes           reset function         Yes           reset function         Yes           relative repeat accuracy         1%           product feature protective coating on printed-circuit board         1           relative repeat accuracy         1%           product feature protection of auxiliary contacts of overload relay         1           relative repeat operation at AC rated value         1           operational current of auxiliary contacts of overload relay         1           operational current of auxiliary contacts of overload relay         5A		
percental drop-out voltage of magnet coll related to the input voltage.         50 %           CM-delay time         14 10 ms           OFF-delay time         14 10 ms           Overload etal protection         Yes           • overload protection         Yes           • ground fault detection         Yes           • ground fault detection         Yes           • external rest         Yes           • a DO Contacts of auxiliary contacts of overload relay         1	operating range factor control supply voltage rated value	
Ok-Eday Ime       2641 ms         OFF-delay Ime       1419 ms         Vortodat function       Yes         • overlad protection       Yes         • ophase failure detection       Yes         • aground fault detection       Yes         • errored fault detection       Yes         • errored fault detection       Yes         • est function       Yes         • estering reset       Yes         • optical failes       CLASS 5 / 10 / 20 (factory set) / 30         • estering reset       Yes         Induste represense value current of the current-       25100 / 4         relative repeat accuracy       1 %         product feature protective coating on printed-circuit bard       1         relative repeat accuracy       1 %         product feature protective coating on entited-circuit bard       1         operational current of auxiliary contacts of over	percental drop-out voltage of magnet coil related to the	50 %
OFF-delay time       14 19 ms         Overload rolay       product function         • overload protection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • asymmetry detection       Yes         • external reset       Yes         • external reset       Yes         • external reset       Yes         reset function       Manual, automatic and remote         thp class       CLASS 5 / 10 / 20 (factory set) / 30         adjustable current response value current of the current- dependent overload release       25 100 A         relative representive coating on printed-circuit board       Yes         product fasture protective coating on printed-circuit board       Yes         rumber of NC contacts of auxiliary contacts of overload       1         relay       eat 60 V       1A         contact rain gischase 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       5A         fastening method       Surface mounting and installation         Mounting position       Verical         fastening meth		26 41 mg
Overload function         Yes           • overload protection         Yes           • phase failure detection         Yes           • agrond failt detection         Yes           • ground failt detection         Yes           • errore and failt detection         Yes           • errore and failt detection         Yes           • esternal reset         Yes           reset function         Manual, automatic and remote           trip class         CLASS 57 10 / 20 (factory set) / 30           adjustable current response value current of the current-         CLASS 57 10 / 20 (factory set) / 30           digitable current response value current of the current-         CLASS 57 10 / 20 (factory set) / 30           product feature protective coating on printed-circuit board         1           rumber of NC contacts of auxiliary contacts of overload         1           relay         operational current of auxiliary contacts of overload relay         5A           • at DC at 250 V         1A         5A@@00VAC (B600), 1A@250VDC (R300)           according to UL         industep (U)         5A@@00VAC (B600, 1A@250VDC (R300)           insultation voltage (U)         600 V         5A@@00VAC (B600, 1A@250VDC (R300)           eegre of protection NEMA rating         1         1           desigre of protection N		
product function         Yes           • overload protection         Yes           • asymmetry detection         Yes           • asymmetry detection         Yes           • external reset         Yes           • reset function         Manual, automatic and remote           tripping time at phase-loss maximum         3 s           relative repeat accuracy         1%           product feature protective coating on printed-circuit board         Yes           relative repeat accuracy         1%           product feature protective coating on printed-circuit board         1           relay         Contacts of auxiliary contacts of overload relay         1           • at DC at 250 V         1A         SA           • at DC at 250 V         1A         SO V           • with multi-phase operation at AC rated value         300 V         SA           feature refetction         fundor general purpose use         Mounting/wring           mounting position         Vertical         Sa Video MouNG and Istaltation           type of electical concection for supply valtage line-sid		14 19 115
• phase failure detection       Yes         • symmetry detection       Yes         • external reset       Yes         • reset function       Manual, automatic and remote         tripping time at phase-loss maximum       3 s         • relative repretextive coating on printed-circuit board       Yes         • number of NC contacts of auxiliary contacts of overload       1         • etal DC at 250 V       1A         • etal C at 250 V       1A         • etal DC at 250 V       1A	•	Vec
• asymmetry detection     Yes       • oround fault detection     Yes       • external reset     Yes       • external reset     Yes       reset function     CLASS 57 10 / 20 (factory set) / 30       adjustable current response value current of the current- dependent overload release     CLASS 57 10 / 20 (factory set) / 30       adjustable current response value current of the current- dependent overload release     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 according to faultilary contacts of overload relay according to UL     5 A       insulation voitage (UI)     600 V       • with single-phase operation at AC rated value     600 V       • with single-phase operation at AC rated value     300 V       Featorson     Indoor general purpose use       Mounting voitage (UI)     Surface mounting and installation       type of electical connection for supply voitage line-side     20120 liFin       type of electical conductor rors-sections at line-side at AWG cables single or multi-stranded     75 °C       mounting position     75 °C       fastening method     10		
• external reset       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 vertorlad release       25 100 A         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature protective coaling on printed-circuit board relay       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       5 A         • et AC at 600 V       5 A         • et AC at 250 V       5 A         • et OC at 250 V       5 A         • et		
• external reset         Yes           reset function         Manual, automatic and remote           trip class         CLASS 57 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 relay         Yes           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 250 V         1 A           contact stoing of auxiliary contacts of overload relay according to UL         5A@600VAC (B600), 1A@250VDC (R300)           according to UL         5A@600VAC (B600), 1A@250VDC (R300)           according to UL         600 V           out the housing         1           mounting polition         Vertical           factoring polition         Vertical           fastening method         Surface mounting and installation           Type of electrical connection for supply voltage line-side at AWC acles single or multi-stranded         120 Li-fin           type of electrical connection for supply maximum permissible         75 °C	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         5 A           • at AC at 600 V         1 A           ocontact rating of auxiliary contacts of overload relay according to UL         5A@@00VAC (B600), 1A@250VDC (R300)           insulation voltage (UI)         600 V           • with multi-phase operation at AC rated value         300 V           Enclosure         600 V           Mounting/wiring         1           mounting position         Vertical           fastening method         Surface mounting and installation           type of connectable conductor for supply voltage line-side at AWG cables single or multi-strande         75 °C           material of the conductor for supply maximum permissible         1x(14 - 20 AWG)           type		
trip class         CLASS 5 / 10 / 20 (factory set) / 30           adjustable current response value current of the current- dependent vorticad release         25 100 A           tripping time at phase-loss maximum         3 s           relative repretative 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 exact of the output of the current of auxiliary contacts of overload relay         5 A           e at AC at 600 V         1 A           orontar traing of auxiliary contacts of overload relay according to UL         5A           insulation voltage (UI)         5A           with multi-phase operation at AC rated value         600 V           orontar traing of auxiliary contacts of overload relay according to UL         600 V           with multi-phase operation at AC rated value         300 V           Enclosure         Indoor general purpose use           Mounting/wiring         Indoor general purpose use           Mounting/wiring         1           testen of the housing         Indoor general purpose use           Mounting vertical connection for supply voltage line-side at AWG cables single or multi-stranded         1x(14 - 20 AWG) <td< td=""><td></td><td></td></td<>		
adjustable current response value current of the current-       25 100 A         dependent overload release       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         elay       1         number of NC contacts of auxiliary contacts of overload relay       1         elay       1         operational current of auxiliary contacts of overload relay       5 Å         eat DC at 250 V       1 Å         contact rating of auxiliary contacts of overload relay       5 Å         according to UL       5 Å         insulation voltage (UI)       600 V         with multi-phase operation at AC rated value       600 V         ofter of the housing       1 door general purpose use         Mounting/wiring       1         mounting position       Vertical         fastening method       Surface mounting and installation         type of connectable conductor cross-sections at line-side       1x(14 - 20 AWG)         at AWG cables single or multi-stranded       120 120 IbFin         temperature of the conductor for supply maximum       75 °C         material of the conductor for supply maximum       75 °C </td <td></td> <td></td>		
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       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       5A@600VAC (B600), 1A@250VDC (R300)         according to UL       insulation vortage (U)         with single-phase operation at AC rated value       600 V         outing/wring       1         design of the housing       1         mounting position       Indoor general purpose use         Mounting/wring       100	•	
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         number of NC contacts of auxiliary contacts of overload       1         operational current of auxiliary contacts of overload relay       1         • at AC at 600 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         insulation voltage (Ui)       4 Contact rating of auxiliary contacts of overload relay         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         degree of protection NEMA rating       1         degree of protection NEMA rating       1         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       10         tightening torque [lbf-lin] for supply       120 120 lbf-lin         type of electrical connection for supply maximum       75 °C         permissible       75 °C         metrial of the conductor for supply maximum       120 120 lbf-lin         tig	dependent overload release	
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 extrema to the auxiliary contacts of overload relay according to UL     5 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     1     1       degree of protection NEMA rating     1     1       design of the housing     Indoor general purpose use       Mounting/viring     1       mounting position     Vertical       fastening method     Surface mounting and installation       type of electrical connection for supply voltage line-side     1x(14 - 2/0 AWG)       it 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     1x(14 - 2/0 AWG)       tightening torque [bt-in] for load-side outgoing feeder     120 120 lbf-in       tightening torque [bt-in] for load-side outgoing feeder     1x(14 - 2/0 AWG)       tightening torque		
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 DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A         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         • 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 [IbFin] for supply       120 120 IbFin         type of electrical connector for supply maximum permissible       75 °C         material of the conductor for supply maximum       75 °C         per of connectable conductor cross-sections at AWG cables or load exide outgoing feeder       120 120 IbFin         type of connectable conductor cross-sections at AWG cables oringle or multi-stranded       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       5 A@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       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         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       120 120 lbf-in         type of connectable conductor cross-sections at XWG cables single or multi-stranded       120 120 lbf-in		
relay         operational current of auxiliary contacts of overload relay         • at AC at 600 V         • at DC at 250 V         1 A         contact rating of auxiliary contacts of overload relay according to UL         insulation voltage (Ui)         • with single-phase operation at AC rated value         • with multi-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 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         600 V         • with multi-phase operation at AC rated value         700 Vertical         degree of protection NEMA rating         1       Indoor general purpose use         Mounting/wring         mounting position       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 electrical connector for supply maximum </td <td>relay</td> <td></td>	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       600 V       5         degree of protection NEMA rating       1       1         design of the housing       Indoor general purpose use       600 V         Mounting/wiring       1       1       1         mounting position       Vertical       5       1         fastening method       Surface mounting and installation       1       1         type of electrical connection for supply voltage line-side       Box lug       120 120 lbf-in       1         type of connectable conductor for supply maximum       75 °C       75 °C       120 120 lbf-in       1         type of electrical connection for load-side outgoing feeder       120 120 lbf-in       1       1       1         type of electrical connection for load-side outgoing feeder       120 120 lbf-in       1       1       1       1         type of electrical connection for load-side outgoing feeder       120 120 lbf-in       1       1       1       1 <t< td=""><td>relay</td><td>1</td></t<>	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       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       Vertical         mounting position       Vertical         fastening torque [lbf-in] for supply voltage line-side       Box lug         tightening torque [lbf-in] for supply       120 120 lbf-in         type of connectable conductor ross-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 feeder       120 120 lbf-in         type of electrical connection for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for supply       AL or CU         type of connectable conductor for supply at a concub to a concetable conductor for supply       120 120 lbf-in         type of connectabl	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)       • 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 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 connectable conductor for supply       Box lug         tightening torque [lbf-in] for load-side outgoing feeder       120 120 lbf-in         type of electrical connection for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for supply       AL or CU         temperature of the conductor for supply maximum permissible       1x(14 - 2/0 AWG)         material of the conductor for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor fors saf AWG cables for load-	• at AC at 600 V	
according to UL       insulation voltage (U)         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       300 V         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 ross-sections at line-side       1x(14 - 2/0 AWG)         temperature of the conductor for supply maximum       75 °C         permissible       120 120 lbf-in         type of connectable conductor cross-sections at AWG       1x(14 - 2/0 AWG)         cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor ross-sections at AWG       1x(14 - 2/0 AWG)         cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for load-side outgoing feeder       120 120 lbf-in <td></td> <td></td>		
• with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       300 V         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 connectable conductor cross-sections at AWG       1x(14 - 2/0 AWG)         cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       10x 120 lbf-in         type of connectable conductor cross-sections at AWG       1x(14 - 2/0 AWG)         cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for load-side outgoing feeder       1		5A@600VAC (B600), 1A@250VDC (R300)
• 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       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 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 cross-sections at AWG cables for load-side outgoing feeder       120 120 lbf-in         type of electrical connection for load-side outgoing feeder       120 120 lbf-in         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       120 120 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing f		
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 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 connectable conductor cross-sections at AWG cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor cross-sections at XWG cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor for load-side outgoing feeder       1x(14 - 2/0 AWG)         temperature of the conductor for load-side outgoing feeder       120 120 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder	<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 feeder120 120 lbf-intightening torque [lbf-in] for load-side outgoing feeder120 120 lbf-intype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feeder120 120 lbf-intype of connectable conductor for supplyAL or CUtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder120 120 lbf-intype of the conductor for load-side outgoing feeder120 120 lbf-intype of the conductor for load-side outgoing feeder120 120 lbf-intype of connectable conductor for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder75 °C		300 V
design 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 feeder120 120 lbf·intightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder120 120 lbf·intightening torque [lbf·in] for load-side outgoing feeder1x(14 - 2/0 AWG)tightening torque [lbf-in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor for supplyAL or CUtype of connectable conductor for supply1x(14 - 2/0 AWG)tightening torque [lbf-in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaximum permissible75 °C	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-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 feeder120 120 lbf-intype of connectable conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder120 120 lbf-intightening torque [lbf-in] for load-side outgoing feeder120 120 lbf-intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder120 120 lbf-intype of the conductor for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder75 °C	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 feeder tightening torque [lbf-in] for load-side outgoing feederBox lugtightening torque [lbf-in] for load-side outgoing feeder stranded1x(14 - 2/0 AWG)temperature of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	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 feeder tightening torque [lbf·in] for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder1x(14 - 2/0 AWG)type of connectable conductor for supplyAL or CUtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible1x(14 - 2/0 AWG)	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 feeder tightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder material of the conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded75 °C	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 feeder tightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder120 120 lbf·intype of connectable conductor for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible1x(14 - 2/0 AWG)	fastening method	Surface mounting and installation
type 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 feeder tightening torque [lbf·in] for load-side outgoing feederBox lugtype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder120 120 lbf·intype of connectable conductor for load-side outgoing feeder1x(14 - 2/0 AWG)type of connectable conductor for load-side outgoing feeder75 °Ctype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	type of electrical connection for supply voltage line-side	Box lug
at AWG cables single or multi-stranded75 °Ctemperature of the conductor for supply maximum permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	tightening torque [lbf-in] for supply	120 120 lbf·in
permissibleAL or CUmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C		1x(14 - 2/0 AWG)
material of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	temperature of the conductor for supply maximum	75 °C
type of electrical connection for load-side outgoing feederBox lugtightening torque [lbf·in] for load-side outgoing feeder120 120 lbf·intype of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	•	AL or CU
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		Box lug
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded1x(14 - 2/0 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °C	<u> </u>	
maximum permissible	type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-	
		75 °C
		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, Brochu www.usa.siemens.com/iccatalog Industry Mall (Online ordering system)	ires,)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14HUG32BH

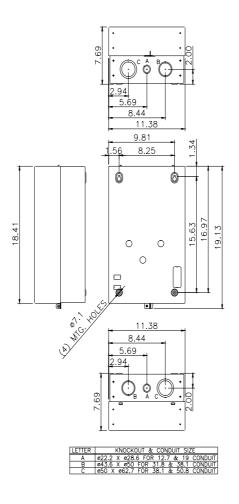
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32BH

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14HUG32BH&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14HUG32BH/certificate



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