## SIEMENS

## Data sheet

## US2:22CUB32AH



Reversing motor starter Size 0 Three phase full voltage Solid-state overload relay OLRelay amp range 0.75-3.4A 380-440/440-480V 50/60HZ coil Non-combination type Enclosure type (open)

product brand name         Class 22           design of the product feature         ESP200 overload relay           General technical data         ESP200 overload relay           weight [b]         6 lb           Height x Width x Depth [in]         7.60 x 10.5 x 3.92 in           touch protection against electrical shock         Not finger-safe           installation altitude [F]         600 ft           • during storage         -22 +149 "F           • during operation         -4 +104 "F           ambient temperature [F]         -30 +65 "C           • during operation         -20 +40 "C           oountry of origin         Mexico           Horspower ratings         -20 +40 "C           yielded mechanical performance [hp] for 3-phase AC         0.5 hp           • at 200/208 V rated value         0.5 hp           • at 200/208 V rated value         2 hp           • at 60/400 V rated value         1.5 hp           • at 575/600 V rated value         2 hp           size of contactor         NEMA controller size 0           number of NO contacts for main contacts         3           operating voltage cruce life (switching cycles) of the main contacts it ypical         16 A           mechanical spricel in (Michichi ar contacts         0 </th <th>Figure similar</th> <th></th>	Figure similar	
special product feature         ESP200 overload relay           General technical data         6 lb           weight [lb]         6 lb           Height X Width X Depth [in]         7.69 × 10.5 × 3.92 in           touch protection against electrical shock         Not finger-safe           installation altitude [lt] at height above sea level maximum         6650 ft           ambient temperature ['F]         -22 +149 "F           • during operation         -4 +104 "F           ambient temperature         -30 +65 "C           • during operation         -20 +40 "F           • during operation         -20 +40 "C           • at 200/208 V rated value         0.5 hp           • at 220/230 V rated value         0.5 hp           • at 460/480 V rated value         2 hp           Contactor         10000000	product brand name	Class 22
General technical data       6 lb         weight [Ib]       6 lb         Height x Width x Depth [in]       7.69 x 10.5 x 3.92 in         touch protection against electrical shock       Not finger-safe         installation altitude [I] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 'F         • during operation       -4 +104 'F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         county of origin       Mexico         Horsepower ratings       -90 +65 °C         yielded mechanical performance [hp] for 3-phase AC       -0.5 hp         ot at 200/208 V rated value       0.5 hp         • at 420/230 V rated value       1.5 hp         • at 420/230 V rated value       1.5 hp         • at 450/480 V rated value       2.6 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       000 V         mechanical service life (switching cycles) of the main contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1	design of the product	Full-voltage reversing motor starter
weight [lb]         6 lb           Height x Width x Depth [in]         7.68 × 10.5 × 3.92 in           louch protection against electrical shock         Not finger-safe           installation altitude [l] at height above sea level maximum         6560 ft           ambient temperature ['F]         - 4+104 "F           - during operation         -4+65 "C           - during operation         -20+40 "C           country of origin         Mexico           Horsepower ratings         -20+40 "C           yielded mechanical performance [hp] for 3-phase AC         0.5 hp           ottat 200/208 V rated value         0.5 hp           - at 420/203 V rated value         1.5 hp           - at 65 for C         3           operating voltage for main current circuit at AC at 60 Hz         3           operating voltage for main current circuit at AC at 60 Hz         600 V           maximum         0         1           operating voltage for main current circuit at AC at 60 Hz         18 A           mechanical service life (switching cycles) of the main	special product feature	ESP200 overload relay
Height X Width X Depth [in]       7.69 × 10.5 × 3.92 in         touch protection against electrical shock       Not finger-safe         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature ['F]       -22 +149 °F         • during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -20 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       -90 +65 °C         yielded mechanical performance [hp] for 3-phase AC       0.5 hp         ot at 220/208 V rated value       0.5 hp         • at 220/230 V rated value       0.75 hp         • at 460/480 V rated value       1.5 hp         • at 420/280 V rated value       1.5 hp         • at 220/230 V rated value       0.5 hp         • at 240/280 V rated value       1.5 hp         • at 460/480 V rated value       1.5 hp         • at 460/480 V rated value       1.600 V         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       3         operating voltage for main current dircuit at AC at 60 Hz       1         maximum       18 A </td <td>General technical data</td> <td></td>	General technical data	
touch protection against electrical shock         Not finger-safe           installation altitude [ft] at height above sea level maximum         6560 ft           ambient temperature ['F]	weight [lb]	6 lb
Installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       - during operation       -22 +149 "F         - during operation       -4 +104 "F         ambient temperature       -30 +65 °C         - during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       -30 +65 °C         yielded mechanical performance [hp] for 3-phase AC motor       0.5 hp         o at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.5 hp         • at 4200/208 V rated value       1.5 hp         • at 4575600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO	Height x Width x Depth [in]	7.69 × 10.5 × 3.92 in
ambient temperature [°F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -4 +104 °F         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC         motor       • at 200/208 V rated value         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       1.5 hp         • at 575/600 V rated value       2 hp         Contactor         number of NO contacts for main contacts         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operational current at AC at 600 V rated value       18 A         operational current at AC at 600 V rated value       18 A         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1      <	touch protection against electrical shock	Not finger-safe
• during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       -20 +40 °C         yielded mechanical performance [hp] for 3-phase AC motor       -20 +40 °C         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.75 hp         • at 460/480 V rated value       1.5 hp         • at 575/600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz main contacts (figure contacts)       10000000         oparational current at AC at 600 V rated value       18 A         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       -20 +40 °C         yielded mechanical performance [hp] for 3-phase AC motor       -31 200/208 V rated value         • at 220/208 V rated value       0.5 hp         • at 220/208 V rated value       0.5 hp         • at 220/208 V rated value       0.5 hp         • at 55/600 V rated value       1.5 hp         • at 55/600 V rated value       2 hp         Contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1 <t< td=""><td>ambient temperature [°F]</td><td></td></t<>	ambient temperature [°F]	
ambient temperature       -30 +65 °C         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.75 hp         • at 460/480 V rated value       1.5 hp         • at 575/600 V rated value       2 hp         Contactor       NEMA controller size 0         size of contactor 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       18 A         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contact of contacts at contactor according to U.       8         contact rating of auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1 <td><ul> <li>during storage</li> </ul></td> <td>-22 +149 °F</td>	<ul> <li>during storage</li> </ul>	-22 +149 °F
• during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       0.5 hp         • at 220/230 V rated value       0.75 hp         • at 460/480 V rated value       1.5 hp         • at 575/600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       18 A         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       0         Auxiliary contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC	during operation	-4 +104 °F
• during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       0.5 hp         • at 220/230 V rated value       0.5 hp         • at 460/480 V rated value       0.75 hp         • at 460/480 V rated value       1.5 hp         • at 575/600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       18 A         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1	ambient temperature	
country of origin       Mexico         Horsepower ratings	<ul> <li>during storage</li> </ul>	-30 +65 °C
Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       0.5 hp         • at 220/230 V rated value       0.75 hp         • at 460/480 V rated value       1.5 hp         • at 4575/600 V rated value       2 hp         Contactor         size of contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>contactor</li> </ul> Size of contactor         NEMA controller size 0             number of NO contacts for main contacts         3             operating voltage for main current circuit at AC at 60 Hz maximum         18 A             operational current at AC at 600 V rated value         18 A             mechanical service life (switching cycles) of the main contacts typical         10000000         10000000         10000000         10000000 <li>contact rating of auxiliary contacts at contactor for auxiliary contacts 1         10000000         <li>contact rating of auxiliary contacts of contactor according to ULA auxiliary contacts at contactor for auxiliary contacts 1         10A@600VAC (A600), 5A@600VDC (P600)         Coil           Coil              <ul> <li>type of voltage of the control supply voltage</li> <li>AC</li> </ul></li></li>	country of origin	Mexico
motorat 200/208 V rated value0.5 hp• at 220/230 V rated value0.75 hp• at 460/480 V rated value1.5 hp• at 460/480 V rated value2 hpContactorsize of contactorNEMA controller size 0number of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz600 Vmaximum18 Aoperational current at AC at 600 V rated value18 Amechanical service life (switching cycles) of the main contacts typical1000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts1number of NO contacts at contactor for auxiliary contacts1number of total auxiliary contacts of contactor according to UL8contact rating of auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)colltype of voltage of the control supply voltageAC	Horsepower ratings	
• at 220/230 V rated value         0.75 hp           • at 460/480 V rated value         1.5 hp           • at 575/600 V rated value         2 hp           Contactor         NEMA controller size 0           number of NO contacts for main contacts         3           operating voltage for main current circuit at AC at 60 Hz maximum         600 V           operating voltage for main current circuit at AC at 60 Hz         600 V           maximum         18 A           operating service life (switching cycles) of the main contacts typical         10000000           Auxiliary contact         0           number of NC contacts at contactor for auxiliary contacts         1           number of NC contacts at contactor for auxiliary contacts         0           number of NC contacts at contactor for auxiliary contacts         1           number of NO contacts of contacts of contacts         1           number of NO contacts at contactor for auxiliary contacts         0           number of total auxiliary contacts of contactor according to UL         8           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		
• at 460/480 V rated value1.5 hp• at 575/600 V rated value2 hpContactorsize of contactornumber of NO contacts for main contacts3operating voltage for main current circuit at AC at 60 Hz maximum600 Voperational current at AC at 600 V rated value18 Amechanical service life (switching cycles) of the main contacts typical10000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts1number of total auxiliary contacts of contactor according to UL8Contact rating of auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)type of voltage of the control supply voltageAC	• at 200/208 V rated value	0.5 hp
• at 575/600 V rated value       2 hp         Contactor       size of contactor         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0 perational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       8         Contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         to UL       AC	• at 220/230 V rated value	0.75 hp
Contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contacts at contactor according to UL       8         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	• at 460/480 V rated value	1.5 hp
size of contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       AC	<ul> <li>at 575/600 V rated value</li> </ul>	2 hp
number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       1000000         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4C	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum600 Voperational current at AC at 600 V rated value18 Amechanical service life (switching cycles) of the main contacts typical10000000Auxiliary contact0number of NC contacts at contactor for auxiliary contacts0number of NO contacts at contactor for auxiliary contacts1number of total auxiliary contacts maximum8contact rating of auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)Coiltype of voltage of the control supply voltageACAC	size of contactor	NEMA controller size 0
maximum       operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       10000000         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil	number of NO contacts for main contacts	3
mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1000000         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       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC		600 V
contacts typical         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       8         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	operational current at AC at 600 V rated value	18 A
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       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC		1000000
number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC	Auxiliary contact	
number of total auxiliary contacts maximum       8         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	number of NC contacts at contactor for auxiliary contacts	0
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	number of NO contacts at contactor for auxiliary contacts	1
to UL Coil type of voltage of the control supply voltage AC	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage AC		10A@600VAC (A600), 5A@600VDC (P600)
	Coil	
control supply voltage	type of voltage of the control supply voltage	AC
	control supply voltage	

• at AC at 50 Hz rated value	380 440 V
at AC at 60 Hz rated value	440 480 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA 0.85 1.1
operating range factor control supply voltage rated value of magnet coil	
percental drop-out voltage of magnet coil related to the input voltage	50 %
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
<ul> <li>overload protection</li> </ul>	Yes
<ul> <li>phase failure detection</li> </ul>	Yes
<ul> <li>asymmetry detection</li> </ul>	Yes
<ul> <li>ground fault detection</li> </ul>	Yes
test function	Yes
external reset	No
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	0.75 3.4 A
make time with automatic start after power failure 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	
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay	5A@600VAC (B600), 1A@250VDC (R300)
according to UL	
insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
degree of protection NEMA rating	Open device (no enclosure)
design of the housing	NA
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	20 20 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	1x (14 2 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	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	20 24 lbf-in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	2x (14 10 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
type of connectable conductor cross-sections of magnet	2x (16 12 AWG)

coil at AWG cables single or multi-stranded		
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	1x (12 AWG), 2x (16 14 AWG), 2x (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	2x (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=US2:22CUB32AH Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/US/en/ps/US2:22CUB32AH Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:22CUB32AH⟨=en		
Certificates/approvals https://support.industry.siemens.com/cs/US/en/ps/US2:22CU	JB32AH/certificate	

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