## SIEMENS

## Data sheet

## US2:30CUBB32A1VA



2-speed 3-phase motor starter Size 0 Two separate windings Constant or variable torque Solid-state overload relays Low SPD OLR range 0.75-3.4A High SPD OLR range 0.75-3.4A 110-120/220-240VAC 60HZ coil Enclosure NEMA type (open) No enclosure

product brand name         Class 30           design of the product feature         ESP200 overload relay; Dual voltage coil           General technical data         ESP200 overload relay; Dual voltage coil           weight [b]         8 lb           Height x Width x Depth [in]         7.69 × 10.5 × 3.92 in           touch protection against electrical shock         Not finger-safe           installation altitude [I] at height above sea level maximum         6860 ft           ambient temperature [YF]         -4 +104 °F           • during operation         -4 +65 °C           • during operation         -20 +40 °C           country of origin         Mexico           Horsepower ratings         -30 +65 °C           • during operation         -20 +40 °C           • at ing storage         -30 +65 °C           • during otrage         -30 +65 °C           • during otrage         -30 +65 °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         2 hp           contactor         Inumber of NO contacts for main contacts           size of contactor         NEMA controller size 0           number of NO contacts at contactor for auxiliary contacts	Figure similar	
special product feature         ESP200 overload relay; Dual voltage coll           General technical data         ************************************	product brand name	Class 30
General technical data       8 lb         weight [b]       8 lb         Height x Width x Depth [n]       7.69 × 10.5 × 3.92 in         Touch protection against electrical shock       Not finger-safe         installation altitude [l1] at height above sea level maximum       6560 ft         ambient temperature [rF]       -22 +149 "F         • during operation       -4 +104 "F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         county of origin       Mexico         Horspower ratings       +104 °F         yielded mechanical performance [hp] for 3-phase AC       +65 °C         or 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 250/200 V rated value       2 hp         Contactor       NEMA controller size 0         number of NC contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         mechanical service life (switching cycles) of the main contacts       6         for ontact       10000000         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor	design of the product	Full-voltage two speed motor starter
weight [b]       8 lb         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 operation       -4 +104 "F         ambient temperature       -30 +65 "C         • during operation       -20 +40 "C         country of origin       Mexico         Horspower ratings       yielded mechanical performance [hp] for 3-phase AC         wold?       0.5 hp         out 200/208 V rated value       0.5 hp         • at 220/208 V rated value       1.5 hp         • at 575/600 V rated value       2 hp         Contactor       NEMA controller size 0         rumber of NC contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       10000000         operating voltage for main current circuit at AC at 60 Hz       10000000         Auxiliary contact       2	special product feature	ESP200 overload relay; Dual voltage coil
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       6560 ft         ambient temperature [°F]       -22 +149 °F         • during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         county of origin       Mexico         Horspower ratings       -yieldet 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       1.5 hp         • at 460/480 V rated value       2 hp         Contactor       Size of contactor         number of NO contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       18 A         mother of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contact for auxiliary contacts       2         number of NC contacts at contact for auxiliary contacts       2         number of NC contacts at contact for auxiliary contacts       2         number of NC contacts at contac	General technical data	
touch protection against electrical shock         Not finger-safe           installation allitude [f] at height above sea level maximum         6660 ft           ambient temperature ['F]         • during storage         -22 +149 °F           • during storage         -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 220/208 V rated value         0.5 hp           • at 220/208 V rated value         0.75 hp           • at 220/208 V rated value         0.75 hp           • at 460/480 V rated value         1.5 hp           • at 575/600 V rated value         600 V           size of contactor         NEMA controller size 0           number of NO contacts for main current circuit at AC at 60 Hz         600 V           operating voltage for main current circuit at AC at 60 Hz         10000000           Auxillary contact         1           number of NO contacts at contactor for auxiliary contacts         2           number of NO contacts at contactor for auxiliary contacts         2           number of NO contacts at contactor for auxiliary contacts         2 <t< td=""><td>weight [lb]</td><td>8 lb</td></t<>	weight [lb]	8 lb
installation altitude [tt] 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 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       0.5 hp         • at 250/230 V rated value       1.5 hp         • at 4575/600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NC contacts for main contacts       6         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         coil       U/pe of voltage of the control supply voltage       AC	Height x Width x Depth [in]	7.69 × 10.5 × 3.92 in
ambient temperature ["F]       -22 +149 °F         • during storage       -2 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         wotor       • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.75 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       6         operating voltage for main current circuit at AC at 60 Hz maximum       6         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       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO co	touch protection against electrical shock	Not finger-safe
• during storage       -22 +149 °F         • during operation       -4 +104 °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 4200/208 V rated value       0.5 hp         • at 4200/208 V rated value       1.5 hp         • at 4575/600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       6         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         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts of contactor according to U.       10A@600VAC (A600), 5A@600VDC (P600)	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       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       0.5 hp         • at 200/208 V rated value       0.5 hp         • at 220/230 V rated value       0.5 hp         • at 460/480 V rated value       1.5 hp         • at 57/600 V rated value       2 hp         Contactor       Size of contactor         number of NO contacts for main contacts       6         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         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         to UL       Vipe of voltage of the control supply voltage       AC	ambient temperature [°F]	
ambient temperature       -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         size of contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz maximum       600 V         operating voltage for keythypical       1000000         Auxiliary contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       1000000         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         to UL       to UL       5         operating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)	<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       Mexico         yielded mechanical performance [hp] for 3-phase AC motor       0.5 hp         • at 220/230 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       NEMA controller size 0         number of NO contacts for main contacts       6         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 ty pical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         to UL       to UL       10A@600VAC (A600), 5A@600VDC (P600)	<ul> <li>during operation</li> </ul>	-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       0.75 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       6         operating voltage for main current circuit at AC at 60 Hz maximum       18 A         mechanical service life (switching cycles) of the main contacts plyical       1000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       1000000         contact typical       1000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         to UL       totle       10A@600VAC (A600), 5A@600VDC (P600)	ambient temperature	
country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor       0.5 hp         • 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 NO contacts for main contacts       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       9         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         coll       tupe of voltage of the control supply voltage       AC	<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 575/600 V rated value       2 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       6         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       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         to UL       to UL       40A@600VAC (A600), 5A@600VDC (P600)	<ul> <li>during operation</li> </ul>	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor       0.5 hp         • 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 NO contacts for main contacts       6         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         operating current at AC at 600 V rated value       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts of contacts at contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coli       type of voltage of the control supply voltage       AC	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 contacts6operating voltage for main current circuit at AC at 60 Hz600 Vmaximum0perational current at AC at 600 V rated value18 Amechanical service life (switching cycles) of the main contacts typical10000000Auxiliary contact2number of NC contacts at contactor for auxiliary contacts2number of NO contacts at contactor for auxiliary contacts2number of total auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)contact rating of auxiliary contacts of contactor according to ULAC	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       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       00         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts of 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         • at 575/600 V rated value       2 hp         Contactor       size of contactor         number of NO contacts for main contacts       6         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       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         Coli       type of voltage of the control supply voltage       AC	• 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       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0perational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage       AC	• at 220/230 V rated value	0.75 hp
Contactor       NEMA controller size 0         number of NO contacts for main contacts       6         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       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         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       6         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       10A@600VAC (A600), 5A@600VDC (P600)         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 575/600 V rated value	2 hp
number of NO contacts for main contacts       6         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 typical       1000000         Auxiliary contact       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         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	Contactor	
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       2         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         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	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       2         number of NO contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         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 NO contacts for main contacts	6
mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1000000         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         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		600 V
contacts typical         Auxiliary contact         number of NC contacts at contactor for auxiliary contacts       2         number of NO contacts at contactor for auxiliary contacts       2         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       2         number of NO contacts at contactor for auxiliary contacts       2         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       2         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	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	2
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	2
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 60 Hz rated value	110 240 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
operating range factor control supply voltage rated value	0.85 1.1
of magnet coil	
percental drop-out voltage of magnet coil related to the	50 %
input voltage	
ON-delay time	19 29 ms
OFF-delay time	10 24 ms
Overload relay	
product function	
overload protection	Yes
phase failure detection	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 overload relay	
<ul> <li>for low rotational speed</li> </ul>	0.75 3.4 A
<ul> <li>for high rotational speed</li> </ul>	0.75 3.4 A
tripping time at phase-loss maximum	3 s
relative repeat accuracy	1 %
product feature protective coating on printed-circuit board	Yes
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	1
operational current of auxiliary contacts of overload relay	
● at AC at 600 V	5 A
• at DC at 250 V	1 A
contact rating of auxiliary contacts of overload relay according to UL	5A@600VAC (B600), 1A@250VDC (R300)
insulation voltage (Ui)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	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)
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

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, Brochu www.usa.siemens.com/iccatalog Industry Mall (Online ordering system) https://mall.inductry.siemens.com/mall/an/us/Catalog/product	

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:30CUBB32A1VA

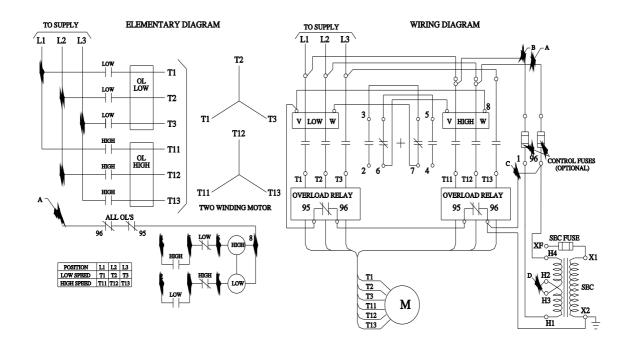
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:30CUBB32A1VA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:30CUBB32A1VA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:30CUBB32A1VA/certificate



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