## **SIEMENS**

Data sheet US2:22CUB32WC

Class 22



Reversing motor starter, Size 0, Three phase full voltage, Solid-state overload relay, OLR amp range 0.75-3.4A, Non-combination type, Encl. type 4X 304 S. Steel, Water/dust tight noncorrosive, Standard width enclosure

Figure similar

product brand name

design of the product ESP200 overload relay  General technical data  weight [Ib] 17: Ib  Height x Width x Depth [in] 13 x 13 x 5 in touch protection against electrical shock NA for enclosed products installation attitude [it] at height above sea level maximum ambient temperature [FF]  • during operation	product brand name	Class 22
weight [b] 17   b   17   b   18   18   18   18   18   18   18	design of the product	Full-voltage reversing motor starter
weight [ib] Height x Width x Depth [in] 13 × 13 × 5 in 10 x	special product feature	ESP200 overload relay
Height x Width x Depth [in]  touch protection against electrical shock Installation altitude [ft] at height above sea level maximum installation altitude [ft] at height above sea level life (perating cycles) of the main contacts at contact at ontactor for auxiliary contacts installation altitude [ft] at height above sea level life (perating cycles) of the main contacts installation altitude [ft] at height above sea level life (perating cycles) of the maximum installation altitude [ft] at height above sea level life (perating cycles) of the maximum installation altitude sea level life (perating cycles) of the maximum installation altitu	General technical data	
touch protection against electrical shock installation altitude (IT) at height above sea level maximum ambient temperature [*F] • during storage • during operation • 20 +40 °C country of origin  Horsepower rettings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 600 v support of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value mechanical service life (operating cycles) of the main contacts typical  Auxillary contact number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts number of NO contacts at contactor for auxillary contacts 10000000  **Coll**  Up of voltage of the control supply voltage • at AC at 60 Hz rated value	weight [lb]	17 lb
installation altitude [ft] at height above sea level maximum ambient temperature [*F]  • during storage • during operation advantage and the storage • during operation advantage and the storage • during operation • 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 • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value  Inumber of NC contacts for main contacts value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage • at AC at 60 Hz rated value	Height x Width x Depth [in]	13 × 13 × 5 in
ambient temperature ["F]  • during storage • during operation  ambient temperature • during storage • during operation  • during storage • during operation • during operation • during operation • during operation • 20 +40 °C  USA  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • 2 hp  Contactor  slize of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value  nechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts Auxiliary contact  for auxiliary contacts of auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number	touch protection against electrical shock	NA for enclosed products
<ul> <li>during storage</li> <li>during operation</li> <li>during storage</li> <li>during storage</li> <li>during storage</li> <li>during operation</li> <li>20 +40 °C</li> <li>country of origin</li> <li>USA</li> </ul> Horsepower ratings <ul> <li>yielded mechanical performance [hp] for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>1.5 hp</li> <li>at 460/480 V rated value</li> <li>2 hp</li> </ul> Ontactor <ul> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operational current at AC at 600 V rated value</li> <li>18 A</li> <li>mechanical service life (operating cycles) of the main contacts typical</li> <li>Auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>8</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> </ul> Coil <ul> <li>type of voltage of the control supply voltage</li> <li>at AC at 60 Hz rated value</li> <li>220 480 V</li> <li>holding power at AC minimum</li> </ul>	installation altitude [ft] at height above sea level maximum	6560 ft
during operation     ambient temperature     during storage     during operation     during operations     price of the during operations op	ambient temperature [°F]	
ambient temperature  • during storage • during operation -20 +40 °C  country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 0.5 hp • at 260/230 V rated value 0.75 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 3 operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 18 A mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor for auxiliary contacts 1 number of Not contacts at contactor according to UL  Coil  type of voltage of the control supply voltage • at AC at 60 Hz rated value 220 480 V  holding power at AC minimum 8.6 W	during storage	-22 +149 °F
during storage     during operation     country of origin  Horsepower ratings  yielided mechanical performance [hp] for 3-phase AC motor     at 200/208 V rated value     at 220/230 V rated value     at 4575/600 V rated value     at 4575/600 V rated value     at 575/600 V rated value  Size of contactor  number of NO contacts for main contacts     aperating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value     mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts     number of NO contacts at contactor for auxiliary contacts     number of total auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage     at AC at 60 Hz rated value	during operation	-4 +104 °F
<ul> <li>during operation</li> <li>-20 +40 °C</li> <li>country of origin</li> <li>USA</li> <li>Horsepower ratings</li> <li>yielded mechanical performance [hp] for 3-phase AC motor</li> <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>at 5 hp</li> <li>at 575/600 V rated value</li> <li>2 hp</li> </ul> Contactor <ul> <li>size of contacts for main contacts</li> <li>3</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operational current at AC at 600 V rated value</li> <li>mechanical service life (operating cycles) of the main contacts typical</li> <li>Auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>8</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>Coil</li> <li>type of voltage of the control supply voltage</li> <li>at AC at 60 Hz rated value</li> <li>20 480 V</li> <li>holding power at AC minimum</li> </ul>	ambient temperature	
country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 4575/600 V rated value  2 hp  Contactor  size of contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  18 A  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts 10000000  Auxiliary contact number of Vol contacts at contactor for auxiliary contacts 10000000  Auxiliary contact at contactor for auxiliary contacts 10000000  Auxiliary contact at contactor for auxiliary contacts 10000000  Auxiliary contact at contactor for auxiliary contacts 10000000  Auxiliary contacts at contactor for auxiliary contacts 10000000  Auxiliary contacts at contactor for auxiliary contacts 10000000  AC  Coil  Loi  Loi  Loi  AC  Control supply voltage  • at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	during storage	-30 +65 °C
Vielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 260/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  Size of contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  18 A  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  Lipe of voltage of the control supply voltage  • at AC at 60 Hz rated value  at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value  Contactor  size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  18 A  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  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  Coil  type of voltage of the control supply voltage • at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	country of origin	USA
at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value but at 575/600 V rated value  2 hp  Contactor  size of contactor  size of contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value  18 A  mechanical service life (operating cycles) of the main contacts typical  Auxillary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC auxiliary contacts at contactor for auxiliary contacts number of total auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	Horsepower ratings	
at 220/230 V rated value at 460/480 V rated value bat 575/600 V rated value contactor  size of contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value  18 A mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage at AC at 60 Hz rated value  at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6	yielded mechanical performance [hp] for 3-phase AC motor	
at 460/480 V rated value  at 575/600 V rated value  2 hp  Contactor  size of contactor  number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	• at 200/208 V rated value	0.5 hp
at 575/600 V rated value  Contactor  Size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  at AC at 60 Hz rated value  Page 18 A  NEMA controller size 0  NEMA controller size 0  18 A  10000000  10000000  1000000000000000	• at 220/230 V rated value	0.75 hp
Size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  at AC at 60 Hz rated value  holding power at AC minimum  NEMA controller size 0  NEMA controller size 0  3  40  40  40  40  40  40  40  40  40	• at 460/480 V rated value	1.5 hp
size of contactor  number of NO contacts for main contacts  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts 1 number of total auxiliary contacts maximum scontact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage at AC at 60 Hz rated value  AC holding power at AC minimum  NEMA controller size 0 3 600 V 400 V 400 V 400 V 40000000  100000000  10000000000000000	at 575/600 V rated value	2 hp
number of NO contacts for main current circuit at AC at 60 Hz maximum  operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  at AC at 60 Hz rated value  at AC at 60 Hz rated value  below V  600 V  1000000  10000000  100000000  10000000	Contactor	
operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  • at AC at 60 Hz rated value  AC minimum  8.600 V  600 V  6	size of contactor	NEMA controller size 0
maximum  operational current at AC at 600 V rated value  mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  • at AC at 60 Hz rated value  AC minimum  18 A  10000000  10000000  100000000  1000000	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  at AC at 60 Hz rated value  AC  holding power at AC minimum  10000000  10000000  100000000  1000000		600 V
typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  type of voltage of the control supply voltage  o at AC at 60 Hz rated value  AC  AC  AC  AC  AC  AC  AC  AC  AC  A	operational current at AC at 600 V rated value	18 A
number of NC contacts at contactor for auxiliary contacts 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  • at AC at 60 Hz rated value  AC control supply voltage  • at AC at 60 Hz rated value  8.6 W	· · · · · · · · · · · · · · · · · · ·	10000000
number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  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  output  at AC at 60 Hz rated value  AC  AC  AC  AC  AC  AC  AC  AC  AC  A	Auxiliary contact	
number of total auxiliary contacts maximum  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  control supply voltage  • at AC at 60 Hz rated value  AC  control supply voltage  8  220 480 V  holding power at AC minimum  8.6 W	number of NC contacts at contactor for auxiliary contacts	0
contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  o at AC at 60 Hz rated value  holding power at AC minimum  AC  10A@600VAC (A600), 5A@600VDC (P600)  AC  220 480 V  8.6 W	number of NO contacts at contactor for auxiliary contacts	1
type of voltage of the control supply voltage  control supply voltage  at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage  control supply voltage  at AC at 60 Hz rated value  220 480 V  holding power at AC minimum  8.6 W	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage  • at AC at 60 Hz rated value  bolding power at AC minimum  220 480 V  8.6 W	Coil	
• at AC at 60 Hz rated value 220 480 V holding power at AC minimum 8.6 W	type of voltage of the control supply voltage	AC
holding power at AC minimum 8.6 W	control supply voltage	
	at AC at 60 Hz rated value	220 480 V
apparent pick-up power of magnet coil at AC 218 VA	holding power at AC minimum	8.6 W
	apparent pick-up power of magnet coil at AC	218 VA

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apparent holding power of magnet coil at AC	25 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
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
ground fault detection	Yes
• test function	Yes
external reset	Yes
reset function	Manual, automatic and remote
trip class	CLASS 5 / 10 / 20 (factory set) / 30
adjustable current response value current of the current- dependent overload release	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 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	4X, 304 stainless steel
design of the housing	dustproof, waterproof & resistant to corrosion
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
fastening method type of electrical connection for supply voltage line-side	Surface mounting and installation Screw-type terminals
	-
type of electrical connection for supply voltage line-side	Screw-type terminals
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at	Screw-type terminals 20 20 lbf·in
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Screw-type terminals 20 20 lbf·in 1x (14 2 AWG) 75 °C
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG)
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)  75 °C
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder	Screw-type terminals 20 20 lbf·in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf·in 2x (14 10 AWG)  75 °C  CU
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil	Screw-type terminals  20 20 lbf·in  1x (14 2 AWG)  75 °C  AL or CU  Screw-type terminals  20 24 lbf·in  2x (14 10 AWG)  75 °C  CU  Screw-type terminals
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG)  75 °C  CU Screw-type terminals 5 12 lbf-in
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG)  75 °C  CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG) 75 °C  CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG) 75 °C
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	Screw-type terminals 20 20 lbf-in 1x (14 2 AWG)  75 °C AL or CU Screw-type terminals 20 24 lbf-in 2x (14 10 AWG)  75 °C  CU Screw-type terminals 5 12 lbf-in 2x (16 12 AWG)  75 °C  CU
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	Screw-type terminals  20 20 lbf·in  1x (14 2 AWG)  75 °C  AL or CU  Screw-type terminals  20 24 lbf·in  2x (14 10 AWG)  75 °C  CU  Screw-type terminals  5 12 lbf·in  2x (16 12 AWG)  75 °C  CU  Screw-type terminals

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
maximum short-circuit current breaking capacity (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=US2:22CUB32WC

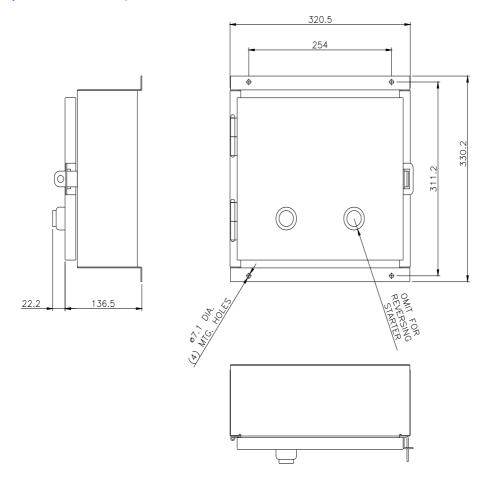
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

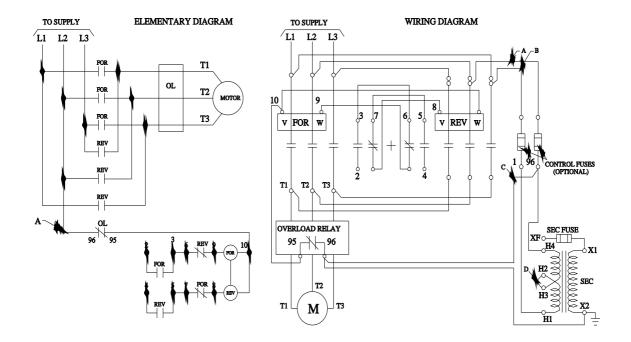
https://support.industry.siemens.com/cs/US/en/ps/US2:22CUB32WC

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22CUB32WC&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:22CUB32WC&lang=en</a>

Certificates/approvals

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