## **SIEMENS**

Data sheet US2:30CUCB32A2VH



2-speed 3-phase motor starter Size 0 One winding consequent pole Constant or variable torque Solid-state overload relays Low SPD OLR range 0.75-3.4A High SPD OLR range 3-12A 380-440/440-480V 50/60HZ coil Enclosure NEMA type (open) No enclosure

product brand name	Class 30
design of the product	Full-voltage two speed motor starter
	ESP200 overload relay
special product feature  General technical data	ESF 200 Overload relay
	8 lb
weight [lb]	7 × 10 × 3 in
Height x Width x Depth [in] touch protection against electrical shock	Not finger-safe
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	0300 it
during storage	-22 +149 °F
during storage     during operation	-4 +104 °F
ambient temperature	
during storage	-30 +65 °C
during storage     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	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	5 hp
• at 575/600 V rated value	5 hp
Contactor	
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 maximum	600 V
operational current at AC at 600 V rated value	18 A
mechanical service life (operating cycles) of the main contacts typical	10000000
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	345VA@115VAC / 768VA@240VAC
Coil	
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 W
apparent pick-up power of magnet coil at AC	218 VA

oppose the fidding power of magnet coil at AC properties and protect control supply coils are act value of magnet coil related to the input votinge product votage of magnet coil related to the input voting product votage of magnet coil related to the input voting product votage of magnet coil related to the input voting product function and product function are as a product function are as a product function and product function are as a product function		
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product function  • Overload protection  • Palase failure detection  • Palase failure detection  • Parase failure detection  • Seary detection  • Ground fault detection  • Set Marction  • For John of Manual, automatic and remote  for class  adjustable current response value current of overload relay  • For from trational speed  • For Ingnit protection s	ON-delay time	19 29 ms
product function	OFF-delay time	10 24 ms
• vertical protection     • phase failure detection     • pround fault cleetcon     • saymmerly detection     • result of the control of	Overload relay	
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- asymmetry defection - ground fault detection - yes - cest function - external reset - contaction - trip class - dijustable current response value current of overload relay - for low rotational speed - for lo	overload protection	Yes
• ground fault detection • est function • est function • est function • est function • CASS 5 / 10 / 20 (factory set) / 30  adjustable current response value current of overload relay • for low rotational speed • for ligh rotational speed • for light rotational sp	phase failure detection	Yes
• test function • votemal reset  read function  Manual, automatic and remote  trip class  • for low rotational speed • for low r	asymmetry detection	Yes
external reset reset function Warusal, automatic and remote trip class adjustable current response value current of overload relay of or liver totational speed of ro high rotational speed of ro high rotational speed of roligh	ground fault detection	Yes
reset function the plass adjustable current response value current of overload relay   • for fow rotational speed   • for high rotational speed    * for high rotation for auxiliary contacts of overload relay    * at AC at 800 V    * at C at 250 V    * with single-phase operation at AC rated value    * with multi-phase operation at AC rated value    * with single-phase operation at AC rated value    * with multi-phase operation at AC rated value    * with multi-phase operation at AC rated value    * with single-phase operation at AC rated value    * with single-phase operation at AC rated value    * with multi-phase operation at AC rated value    * with single-phase operation at AC rated value    * with multi-phase operation at AC rated v	• test function	Yes
tip class adjustable current response value current of overload relay • for low rotational speed • for high rotational speed • for a building rotational speed • for high	external reset	No
adjustable current response value current of overload relay  • for low rotational speed  • for high rotational speed  3 12 A  tripping time at phase-loss maximum  3 s  relative repeat accuracy  1 1%  product feature protective coating on printed-diroutl board  ves  number of NC contacts of auxiliary contacts of overload relay  • at NC at 800 V  • with single-phase operation at AC rated value  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation of AC rated value  • with single-phase operation of AC rated value  • with multi-phase operation of AC rated value  • work of the conductor of Supply voltage line-side  • Surface mounting and installation  ype of electrical connection for supply  ype of connectable conductor rorse-sections of AC rated value  • with operation of the conductor of supply maximum permissible  material of the conductor for supply maximum permissible  material of the conductor for load-side outgoing feeder  phype of connectable conductor rorse-sections of magnet coil  ype of electrical connection of magnet coil  ype of electrical	reset function	Manual, automatic and remote
for low rotational speed	trip class	CLASS 5 / 10 / 20 (factory set) / 30
• for high rotational speed  tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-dirouit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay  • at NC at 600 V • at DC at 250 V  • at NC at 250 V  • at NC at 250 V  • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with	adjustable current response value current of overload relay	
• for high rotational speed tripping time at phase-loss maximum relative repeat accuracy product feature protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay number of NC contacts of auxiliary contacts of overload relay • at NC at 800 V • at NC at 250 V • at OC at 250 V • at OC at 250 V • at NC at 250 V • with single-phase operation at AC rated value • with multi-phase operation of AC rated value • with multi-phase operation at AC rated		0 3 A
tripping time at phase-loss maximum relative repeat accuracy relative re		3 12 A
relative repeat accuracy product feature protective coating on printed-circuit board Ves number of NC contacts of auxiliary contacts of overload relay number of NO contacts of auxiliary contacts of overload relay e at AC at 600 V at DC at 250 V 1A contact rating of auxiliary contacts of overload relay e. at AC at 550 V 1A contact rating of auxiliary contacts of overload relay according to lisuidation voltage (UI) e. with single-phase operation at AC rated value e. with multi-phase operation of a supply value of expectation of a supply value of expectation of expectation of supply value of expectation of expectations of supply value of expectations of expectations of supply value of expectations of the conductor for load-side outgoing feeder		3 s
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number of NO contacts of auxiliary contacts of overload relay  • at AC at 600 V  • at DC at 250 V  contact rating of auxiliary contacts of overload relay  • with single-phase operation at AC rated value  • with multi-phase operation of AC	<u> </u>	1
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contact rating of auxiliary contacts of overload relay according to UL  • with single-phase operation at AC rated value • with multi-phase operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  degree of protection NEMA rating  Open device (no enclosure)  Mounting wiring  mounting position  fastening method  Surface mounting and installation  type of electrical connection for supply voltage line-side  sightening torque [lbf-in] for supply  20 20 lbf-in  1	• at AC at 600 V	5 A
usualation voltage (Ui)  ■ with single-phase operation at AC rated value  ■ with multi-phase operation at AC rated value  300 V	• at DC at 250 V	1 A
with multi-phase operation at AC rated value with multi-phase operation at AC rated value  Broclosure  degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature 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 for supply AL or CU  screw-type terminals tightening torque [lbf-in] for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder type of electrical connection of magnet coil type of electrical connection of magnet coil type of connectable conductor ross-sections of magnet coil flype of connectable conductor ross-sections of magnet coil flype of connectable conductor or load-side outgoing feeder AL or CU  type of electrical connection of magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of connectable conductor at magnet coil type of connectable conductor at magnet coil to 15 lbf-in  1 This interval		5
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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 for 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 tightening torque [lbf·in] at magnet coil screw-type terminals tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cuppermissible material of the conductor at magnet coil screw-type terminals tightening torque [lbf·in] at contactor for auxiliary contacts to the conductor at conductor auxiliary contacts to the conductor at conductor auxiliary contacts to the conductor at conductor auxiliary contacts to the conductor at contactor for auxiliary contacts to the conductor at conductor auxiliary c	Enclosure  degree of protection NEMA rating  Mounting/wiring  mounting position  fastening method	Open device (no enclosure)  vertical  Surface mounting and installation
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tightening torque [lbf-in] for load-side outgoing feeder  type of connectable conductor cross-sections for 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  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection of magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to cu  type of connectable conductor at magnet coil  type of connectable conductor at maximal contactor for auxiliary contacts  to cu  type of connectable conductor at maximal contactor for auxiliary contacts  to cu  type of connectable conductor at maximal contactor for auxiliary contacts  to connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  to contact of the conductor at contactor for auxiliary contacts  temperature of the conductor at contactor for auxiliary contacts  temperature of the conductor at contactor for auxiliary contacts  to contact of the conductor at contactor for auxiliary contacts  to contact of the conductor at contactor for auxiliary contacts  to contact of the conductor at contactor for auxiliary contacts  to contact of the conductor at contactor for auxiliary contacts  to contact of the conductor cross-sections at contactor for auxiliary contacts  to contact of the conductor at contactor for auxiliary contacts  to contact of the conductor cross-sections of the conductor at contactor for auxiliary contacts  to contact of the conductor cross-sections of the conductor at contact of the con	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in
type of connectable conductor cross-sections for 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  type of electrical connection of magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  to connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible	Open device (no enclosure)  vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1 75 °C
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  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to U  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to 15 lbf-in  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU
maximum permissible material of the conductor for load-side outgoing feeder  type of electrical connection of magnet coil screw-type terminals tightening torque [lbf-in] at magnet coil screw-type terminals  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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	Open device (no enclosure)  vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf·in  1  75 °C  AL or CU  Screw-type terminals
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 for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for AWG cables	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in  1  75 °C AL or CU Screw-type terminals 20 20 lbf·in
type of electrical connection of magnet coil  tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in  1  75 °C AL or CU Screw-type terminals 20 20 lbf·in 1
tightening torque [lbf-in] at magnet coil  type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in  1  75 °C AL or CU Screw-type terminals 20 20 lbf·in 1  75 °C
AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1
permissible  material of the conductor at magnet coil  type of electrical connection for auxiliary contacts  screw-type terminals  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals
type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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	Open device (no enclosure)  vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf·in  1  75 °C  AL or CU  Screw-type terminals  20 20 lbf·in  1  75 °C  AL or CU  Screw-type terminals  5 21 lbf·in
type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side for 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 for 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 for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 20 lbf·in 1 75 °C AL or CU Screw-type terminals 20 21 lbf·in 2
tightening torque [lbf-in] at contactor for auxiliary contacts  10 15 lbf-in  type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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 for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 2 75 °C
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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 for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 2 75 °C AL or CU Screw-type terminals 5 12 lbf-in 2
temperature of the conductor at contactor for auxiliary contacts  75 °C	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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 type of connectable conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible	Vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 2 75 °C CU Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals
	degree of protection NEMA rating  Mounting/wiring  mounting position fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side for 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 for 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 at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts	vertical Surface mounting and installation Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 1 75 °C AL or CU Screw-type terminals 20 20 lbf-in 2 75 °C CL Screw-type terminals 5 12 lbf-in 2 75 °C CU Screw-type terminals 10 15 lbf-in

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 for AWG cables for auxiliary contacts single or multi-stranded	2
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	10
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
at 600 V certificate of suitability	10 kA NEMA ICS 2; UL 508; CSA 22.2, No.14

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=US2:30CUCB32A2VH

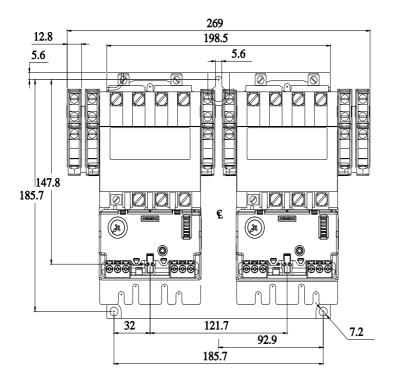
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

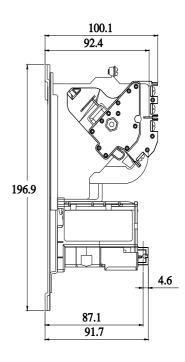
https://support.industry.siemens.com/cs/US/en/ps/US2:30CUCB32A2VH

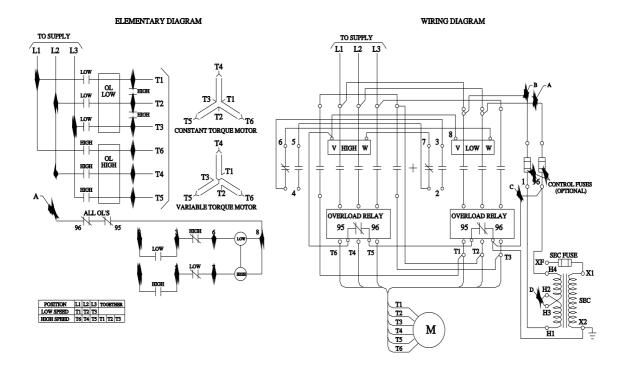
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:30CUCB32A2VH&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:30CUCB32A2VH/certificate







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