## **SIEMENS**

Data sheet US2:30CUDC32A2VF



2-speed 3-phase motor starter Size 0 One winding consequent pole Constant or variable torque Solid-state overload relays Low SPD OLR range 3-12A High SPD OLR range 5.5-22A 110V 50HZ / 120V 60HZ coil Enclosure NEMA type (open) No enclosure

product brand name	Class 30
design of the product	Full-voltage two speed motor starter
special product feature	ESP200 overload relay
General technical data	25. 250 0.0.000 .0.00
weight [lb]	8 lb
Height x Width x Depth [in]	7 × 10 × 3 in
touch protection against electrical shock	Not finger-safe
installation altitude [ft] at height above sea level maximum	6560 ft
ambient temperature [°F]	
during storage	-22 +149 °F
during operation	-4 +104 °F
ambient temperature	
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	
<ul><li>at 200/208 V rated value</li></ul>	3 hp
• at 220/230 V rated value	3 hp
<ul><li>at 460/480 V rated value</li></ul>	0 hp
<ul><li>at 575/600 V rated value</li></ul>	0 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	110 V
at AC at 60 Hz rated value	120 V
holding power at AC minimum	8 W
apparent pick-up power of magnet coil at AC	218 VA

appearent hosting power of magnet coil at AC per process of an appear coil process or appear coil p		
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violage  ON delay time  19 _ 29 ms  OFF-day time  10 _ 24 ms  Overload roley  product function  • overload protection  • syssymmetry detection  • overload roles  • overload		0 1
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Phase failure detection     Sysymmetry detection     Yes     Grand fault detection     Yes     Sysymmetry detection     Yes     Sysymmetry detection     Yes     System of the detection     System of the detection of the dete	product function	
- asymmetry detection - ground fault detection - yes - lest function - external reset - No - Reset function - Manual, automatic and remote - CLASS 5 / 10 / 20 (factory set) / 30 - adjustable current response value current of overload relay - for low rotational speed - for low rotational speed - for high	overload protection	Yes
• ground fault detection • est function • first class  CLASS 57 10 / 20 (factory set) / 30  adjustable current response value current of overload relay • for low rotational speed • for high rotational speed • for NC contacts of auxiliary contacts of overload relay • all Act at 600 V • at DC and 250 V • at DC and 250 V • at DC and 250 V • with anitips phase operation at AC rated value • with anitips phase operation at AC rated value • with multi-phase operation at AC rated value • green of protection NEMA rating  Mounting phase operation at AC rated value • green of protection NEMA rating  Mounting phase operation at AC rated value • green of protection on phase operation at AC rated value • green of protection on phase operation at AC rated value • green of protection on phase operation at AC rated value • green of protection on phase operation at AC rated value • green of protection on phase operation at AC rated value • green of protection on phase	phase failure detection	Yes
external reset	asymmetry detection	Yes
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reset function trip class CLASS 5 / 10 / 20 (factory set) / 30 adjustable current response value current of overload relay   • for low rotational speed	• test function	Yes
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adjustable current response value current of overload relay  • for low rotational speed  • for livin rotational speed  *	reset function	Manual, automatic and remote
For low rotational speed     For high rotational speed     Fo	trip class	CLASS 5 / 10 / 20 (factory set) / 30
For low rotational speed     For high rotational speed     Fo	adjustable current response value current of overload relay	
• for high rotational speed  tripping time at phase-loss maximum  7 relative repeat accuracy  product feature protective coating on printed-circuit board  rumber of NC contacts of auxiliary contacts of overload relay  1 number of NC contacts of auxiliary contacts of overload relay  • at NC at 600 V  • at OC at 250 V  • at OC at 250 V  • at OC at 250 V  • with single-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with mu		3 12 A
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• at DC at 250 V contact rating of auxiliary contacts of overload relay according to UL insulation voltage (Ui) • with single-phase operation at AC rated value • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value  • with multi-phase operation at AC rated value    Sundame		5 A
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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 maximum permissible  tightening torque [libf-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  type of electrical connection of magnet coil  type of electrical connection of magnet coil  type of connectable conductor cross-sections for AWG cables 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  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  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts  type of connectable conductor at contactor for auxiliary contacts	with multi-phase operation at AC rated value     Enclosure     degree of protection NEMA rating     Mounting/wiring     mounting position     fastening method	300 V  Open device (no enclosure)  vertical  Surface mounting and installation
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  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 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  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  type of connectable conductor at contactor for auxiliary contacts  for conductor at contactor for auxiliary con	with multi-phase operation at AC rated value     Enclosure     degree of protection NEMA rating     Mounting/wiring     mounting position     fastening method     type of electrical connection for supply voltage line-side	Open device (no enclosure)  vertical Surface mounting and installation Screw-type terminals
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 material of the conductor for load-side outgoing feeder 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 screw-type terminals  CU type of electrical connection of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor of auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to connectable conductor of auxiliary contacts to connectable conductor at contactor for auxiliary contacts to connectable conductor for such auxiliary contacts to connectable con	with multi-phase operation at AC rated value  Enclosure  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	Open device (no enclosure)  vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in
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  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 for AWG cables single or multi-stranded  temperature of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to cut type of connectable conductor at magnet coil  type of connectable conductor at magnet coil  type of connectable conductor at magnet coil  type of connectable conductor for auxiliary contacts  to cut 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	with multi-phase operation at AC rated value  Enclosure  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	Open device (no enclosure)  vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1
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 maximum permissible material of the conductor at magnet coil maximum permissible material of the conductor at magnet coil cut type of electrical connection for auxiliary contacts tightening torque [lbf-in] at contactor for auxiliary contacts to type of connectable conductor at magnet coil cut type of connectable conductor at maximum permissible tightening torque [lbf-in] at contactor for auxiliary contacts to 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 temperature 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 temperature 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 temperature of the conductor at contactor for auxiliary contacts temperature of the conductor at contactor for auxiliary contacts to the conductor at contactor for auxiliary conta	with multi-phase operation at AC rated value  Enclosure  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
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 maximum permissible  material of the conductor at magnet coil cU  type of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts  to cu  type of electrical connection for auxiliary contacts  to connectable conductor at magnet coil  type of connectable conductor at contactor for auxiliary contacts  to cu  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	with multi-phase operation at AC rated value  Enclosure  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	Open device (no enclosure)  vertical Surface mounting and installation Screw-type terminals 20 20 lbf·in 1 75 °C
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  material of the conductor at magnet coil maximum permissible  material of the conductor at magnet coil cultivate of the conductor at magnet coil cultivate of the conductor at magnet coil cultivate of electrical connection for auxiliary contacts  tightening torque [lbf-in] at contactor for auxiliary contacts tightening torque [lbf-in] at contactor 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  75 °C  1	with multi-phase operation at AC rated value  Enclosure  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	Open device (no enclosure)  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 temperature of the conductor at contactor for auxiliary contacts  75 °C	with multi-phase operation at AC rated value  Enclosure  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	with multi-phase operation at AC rated value  Enclosure  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	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
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	with multi-phase operation at AC rated value  Enclosure  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  temperature of the conductor 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 20 20 lbf·in 1
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	with multi-phase operation at AC rated value  Enclosure  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	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
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	with multi-phase operation at AC rated value  Enclosure  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	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
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  CU  Screw-type terminals  10 15 lbf·in  1  AWG cables for auxiliary contacts single or multi-stranded  temperature of the conductor at contactor for auxiliary contacts  75 °C	with multi-phase operation at AC rated value  Enclosure  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	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 20 20 lbf·in  1  75 °C AL or CU Screw-type terminals
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	with multi-phase operation at AC rated value  Enclosure  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	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	with multi-phase operation at AC rated value  Enclosure  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	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 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	with multi-phase operation at AC rated value  Enclosure  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 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	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 20 20 lbf-in 2
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	with multi-phase operation at AC rated value  Enclosure  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	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 20 21 lbf-in 2  75 °C  CU
temperature of the conductor at contactor for auxiliary contacts  75 °C	with multi-phase operation at AC rated value  Enclosure  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  material of the conductor 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 20 20 lbf-in 2  75 °C  AL or CU Screw-type terminals 5 12 lbf-in 2
100000000000000000000000000000000000000	with multi-phase operation at AC rated value  Enclosure  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  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	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 20 20 lbf-in  2  75 °C  CU 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=US2:30CUDC32A2VF

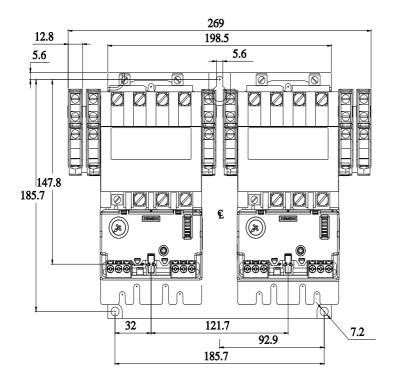
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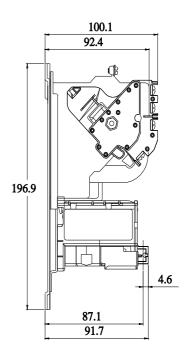
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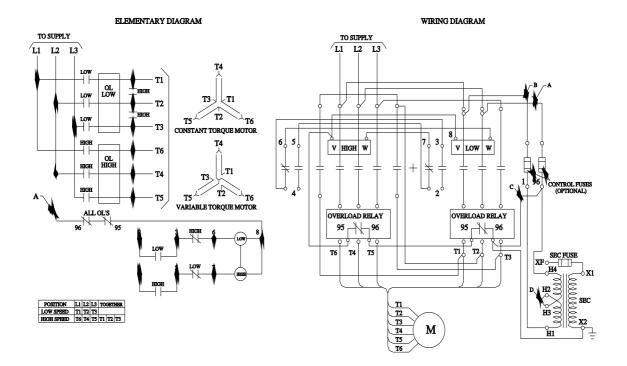
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:30CUDC32A2VF&lang=en

Certificates/approvals

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last modified: 12/3/2022 🖸