SIEMENS

Data sheet

US2:32CUBB92B2V2A



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 0.75-3.4A 110-120/220-240VAC 60HZ coil Combination type 30Amp disconnect switch Enclosure NEMA type 1 Indoor general purpose use

product brand name	Class 32
design of the product	Full-voltage two speed motor starter with non-fusible disconnect
special product feature	ESP200 overload relay; Dual voltage coil
General technical data	
weight [lb]	52 lb
Height x Width x Depth [in]	24 × 20 × 8 in
touch protection against electrical shock	NA for enclosed products
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	USA
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
• at 200/208 V rated value	0.5 hp
• at 220/230 V rated value	0.75 hp
• at 460/480 V rated value	1.5 hp
• at 575/600 V rated value	2 hp
Contactor	
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	1000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	2
number of NO contacts at contactor for auxiliary contacts	2
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
• at AC at 60 Hz rated value	110 240 V
holding power at AC minimum	8.6 W
apparent pick-up power of magnet coil at AC	218 VA
apparent holding power of magnet coil at AC	25 VA

respectation 50 % Order documents 50 % Order documents 50 % Order documents 10 . 24 ms Order documents 10 . 24 ms Order documents Yes exclusion protection Yes expand failure doctorian Yes adjustable current respons value current of overload relay 0.75 – 3.4 Å of righ rotational speed 0.75 – 3.4 Å product failure protective carging on printed-dravit back 1.0 protation failure protective carging on printed-dravit back 1.0 operation in AC rated value 000 V <	operating range factor control supply voltage rated value of	0.85 1.1
voltage 19 20 ms OFF-day line 10 24 ms Product function Yes • eventidad protection Yes • set function Yes • eventidad protection Yes rest function Protection of protection setup 0.75 34 A • for high rotational speed 0.75 34 A • or high rotational speed 0.75 34 A • or high rotational speed 0.75 34 A • or high rotation an event of vortidad relay 1 • arch Co all do Co V 5 A • arch Co all do Co V 5 A • arch Co all do Co V 5 A • arch Co all do Co V	· · · · ·	
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Overlast function Yes • evential production Yes • evential production Yes • evential production Yes • evential telection Yes • evential telection Yes • evential reset Yes • evential reset Yes • evential reset Yes • of row rotational speed 0.75	ON-delay time	19 29 ms
protection Yes • overload protection Yes • symmetry detection Yes • symmetry detection Yes • symmetry detection Yes • external seed Yes • external seed Yes • external seed Yes • external seed Yes • for high rotational speed 0.75 3.4 A • for high rotational speed 0.75 3.4 A • for high rotational speed 0.75 3.4 A propuls the at phase loss maximum 3.8 relative regular sociatis of success maximum 3.8 relative regular sociatis of success rotatis of overload relay 1 unmeter of NC contacts of success of overload relay 1 oparational correct of auxiliary contacts of overload relay 1 • at DC at 250 V 1.A Cattact rating of auxiliary contacts of overload relay according to paration at AC rated value 800 V • with multi-phase operation at AC rated value 800 V • with multi-phase operation at AC rated value 800 V • with multi-phase operation at AC rated value 800 V • with multi-phase operation at AC rated value 800 V • with multi-phase operation at AC rated value 800 V • with multi-phase operation at AC rated value 800 V	OFF-delay time	10 24 ms
• vertical protoction Yes • inplase failur detection Yes • argumetry detection Yes • interfinction Yes • exist matchin Menual, automatic and remote reset function Menual, automatic and remote fip data CLASS 57 10 / 20 (factory set) / 30 adjustable corrent response value current of overfaod relay 0.75 34 A • for righ rotational speed 0.75 34 A • product feature protective coaling on printed-circuit bat Yes • and to right rotational speed 0.75 34 A • or right rotational speed 0.75 34 A • or right rotational speed 0.75 34 A • or right rotational speed 9.75 34 A • or right rotational or availiary contacts of overload relay 1 • or right rotational or availiary contacts of overload relay 1 • or right rating of auxiliary contacts of overload relay according to 1.6 • or right rating of auxiliary contacts of overload relay according to 1.6 • or right rating of auxiliary contacts of overload relay according to 0.0 V • or right rating of auxiliary contacts of overload relay	Overload relay	
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	 overload protection 	Yes
	 phase failure detection 	Yes
	 asymmetry detection 	Yes
• external reset Yes reset function Manual, automatic and remote in picolass adjustable current of overload relay 0.75 3.4 A • for high rotational speed 1 • number of NC contacts of auxiliary contacts of overload relay 1 • at A C at 250 V 5 A • at D C at 250 V 1 A contact rating of auxiliary contacts of overload relay according to 5 A • with snighe phase operation at AC rated value 600 V • with snighe phase operation at AC rated value 900 V Disconnect SWethO 900 V Terestore 900 V design of the housing non-fusible Particle Cases on the fusition non-fusible Terestore <td< td=""><td> ground fault detection </td><td>Yes</td></td<>	 ground fault detection 	Yes
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tripping time at phase-loss maximum 3 s relative repeat accuracy 1% product feature protective coating on printed-circuit board Yes number of NC contacts of auxiliary contacts of overload relay 1 ent DC contacts of auxiliary contacts of overload relay 1 ent DC at 250 V 5 A ent DC at 250 V 5 A contact rating of auxiliary contacts of overload relay according to 5 A@@000VAC (B600), 1A@250VDC (R300) insulation voltage (U) • with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 600 V featoring drase thefe non-fusible operating class of the fuse link non-fusible featoring method Surface mounting and installation type of the housing indoors, usable on a general basis Mounting position vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Box lug ti	 for low rotational speed 	0.75 3.4 A
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• with single-phase operation at AC rated value 600 V • with multi-phase operation at AC rated value 300 V Disconnect Switch 30A / 600V design of fuse holder non-fusible operating class of the fuse link non-fusible Enclosure		5A@600VAC (B600), 1A@250VDC (R300)
• with multi-phase operation at AC rated value 300 V Disconnect Switch	insulation voltage (Ui)	
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type of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf-in] for load-side outgoing feeder20 24 lbf-intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded2x (14 10 AWG)temperature of the conductor for load-side outgoing feeder material of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder type of electrical connection of magnet coilCUtype of connectable conductor cross-sections of magnet coil5 12 lbf-intype of connectable conductor at magnet coil maximum permissible75 °Ctemperature of the conductor at magnet coil maximum permissible75 °Ctemperature of the conductor at magnet coil maximum permissible5 12 lbf-intype of electrical connection at contactor for auxiliary contactsCU	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	Surface mounting and installation Box lug 35 35 lbf-in
tightening torque [lbf in] for load-side outgoing feeder20 24 lbf intype of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded2x (14 10 AWG)temperature of the conductor for load-side outgoing feeder maximum permissible75 °Cmaterial of the conductor for load-side outgoing feederCUtype of electrical connection of magnet coilScrew-type terminalstightening torque [lbf in] at magnet coil5 12 lbf intype of connectable conductor at magnet coil maximum75 °Ctemperature of the conductor at magnet coil for AWG cables single or multi-stranded2x (16 12 AWG)temperature of the conductor at magnet coilCUtype of electrical connection at contactor for auxiliary contactsScrew-type terminals	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	Surface mounting and installation Box lug 35 35 lbf·in 1x (14 2 AWG)
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temperature of the conductor at magnet coil maximum permissible75 °Cmaterial of the conductor at magnet coilCUtype of electrical connection at contactor for auxiliary contactsScrew-type terminals	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 type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder temperature of the conductor for load-side outgoing feeder maximum permissible material 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	Surface mounting and installation Box lug 35 35 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 at contactor for auxiliary contacts Screw-type terminals	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 type of cload-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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for	Surface mounting and installation Box lug 35 35 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 at contactor for auxiliary contacts Screw-type terminals	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 type of electrical connection of load-side outgoing feeder type of connectable 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	Surface mounting and installation Box lug 35 35 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)
tightening torque [lbf.in] at contactor for auxiliary contacts 10, 15 lbf.in	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 type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable 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	Surface mounting and installation Box lug 35 35 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
tightening torque [lbf-in] at contactor for auxiliary contacts 10 15 lbf-in	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 type of connectable conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable 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	Surface mounting and installation Box lug 35 35 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 5 12 lbf-in 2x (16 12 AWG) 75 °C CU

type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf-in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay for 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)
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	
Industrial Controls - Product Overview (Catalogs, Brochures	

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=US2:32CUBB92B2V2A

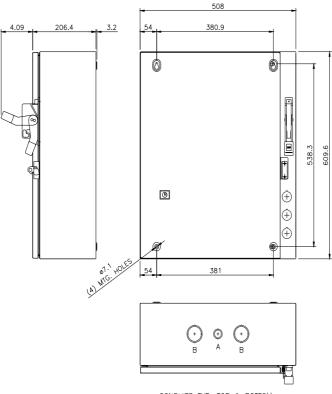
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:32CUBB92

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:32CUBB92B2V2A&lang=en

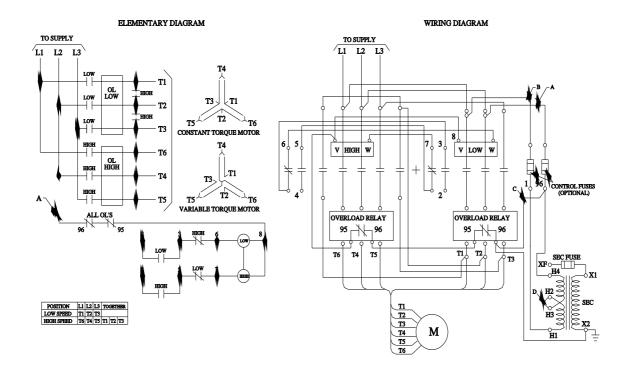
Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:32CUBB92B2V2A/certificate



CONDUITS TYP. TOP & BOTTOM

LETTER	CONDUIT SIZE
	ø12.7 & ø19 CONDUIT
В	ø31.8 & ø38.1 CONDUIT



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