SIEMENS

US2:30DUDC32A2VF **Data sheet**



Figure similar

2-speed 3-phase motor starter Size 1 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

design of the product special product feature ESP200 overload relay Full-voltage two speed motor starter special product feature ESP200 overload relay Full-voltage two speed motor starter BEP200 overload relay Full-voltage Full-voltage two speed motor starter BEP200 overload relay Full-voltage two speed motor starter Full-voltage two speed motor starter BEP200 overload relay Full-voltage for Bib Indiana full-case and speed in full-case and speed i	product brand name	Class 30
weight [Ib] 8 lb Height x Width x Depth [in] 7,69 x 10.5 x 3.92 in touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [*Ft] 4 uring storage 2 +149 °F 4 uring operation 4 uring storage 4 uring operation 4 uring storage 5 uring operation 4 uring storage 5 uring operation 6 uring storage 6 uring operation 7 uring operation 9 uring op	design of the product	Full-voltage two speed motor starter
Height x Width x Depth [in] 7.69 x 10.5 x 3.92 in	special product feature	ESP200 overload relay
Height x Width x Depth [in] touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature ["F] during storage during operation NEMA controller size 1 number of NC contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value poperational current at AC at 600 V rated value operational current at AC at 600 V rated value mechanical service life (switching cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC operators at contactor for auxiliary contacts number of NC operators at contactor for auxiliary contacts number of NC operators at contactor for auxiliary contacts number of NC operators at contactor for auxiliary contacts number of NC operators at contactor for auxiliary contacts number of NC operators at contactor for auxiliary contacts number of NC operators at contactor for auxiliary	General technical data	
touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • during operation	weight [lb]	8 lb
installation allitude [ft] at height above sea level maximum ambient temperature [*F] • during storage • during operation -4 +104 *F ambient temperature • 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 • at 220/230 V rated value • at 460/480 V rated value • at 475/600 V rated value • at 575/600 V rated value • at 60 W contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value operational current at AC at 600 V rated value are chanical service life (switching cycles) of the main contacts typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contacts of contactor according to UL Coil type of voltage of the control supply voltage AC	Height x Width x Depth [in]	7.69 × 10.5 × 3.92 in
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to UL Coil type of voltage of the control supply voltage AC	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage AC		10A@600VAC (A600), 5A@600VDC (P600)
The same of the sa	Coil	
control supply voltage	type of voltage of the control supply voltage	AC
	control supply voltage	

* all AC at 60 Hz rated value holding power at AC minimum against pick-up power of magnet coil at AC apparent noting power of magnet coil related to the input voltage and according to the according to the providing and according to the accor	at AC at 50 Hz rated value	110 V
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Overload relay product function		19 29 ms
product function • overload protection • phase failure detection • phase failure detection • phase failure detection • ground fault detection • external reset • external reset • external reset reset function • product for supply • for low rotational speed • for		10 24 ms
product function • overload protection • phase failure detection • phase failure detection • phase failure detection • ground fault detection • external reset • external reset • external reset reset function • product for supply • for low rotational speed • for		
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trip class adjustable current response value current of overload relay • for low rotational speed • for high rota		
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• for low rotational speed • for high rotational speed 5.5	adjustable current response value current of overload	
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 number of NO contacts of auxiliary contacts of overload relay • at AC at 600 V • at DC at 250 V • at DC at 250 V • at DC at 250 V • with multi-phase operation at AC rated value • with single-phase operation at AC rated value • with multi-phase operation of Surface mounting position fastening method type of electrical connection for supply voltage line-side at AWC cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of electrical connectable conductor cross-sections at AWG cables 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 maximum permissible material 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 maximum permissible material 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 connectable 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 stype of connectable conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder stype of load-side outgoing feeder maximum permissible maximum permissible maximum per		3 12 A
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• at AC at 600 V • 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 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 at AWG cables single or multi-stranded temperature of the conductor for supply type of electrical connection for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor for supply AL or CU 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 type of electrical connection for load-side outgoing feeder type of connectable conductor for supply AL or CU type of connectable 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 Screw-type terminals tx (14 2 AWG) at AC or CU type of electrical connection of magnet coil		1
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with single-phase operation at AC rated value with multi-phase operation at AC rated value with multi-phase operation at AC rated value Surcious		5A@600VAC (B600), 1A@250VDC (R300)
with multi-phase operation at AC rated value Description	insulation voltage (Ui)	
degree of protection NEMA rating Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side at AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor cross-sections at AWG cables for load-side outgoing feeder material of the conductor for load-side outgoing feeder and the		
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 at 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 trype of connectable conductor for supply AL or CU type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder trype of connectable conductor cross-sections at AWG cables 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 temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder trype of electrical connection of magnet coil Screw-type terminals	with multi-phase operation at AC rated value	300 V
Mounting/wiring mounting position Vertical fastening method Surface mounting and installation type of electrical connection for supply voltage line-side Screw-type terminals tightening torque [lbf·in] for supply 35 35 lbf·in type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded 1x (14 2 AWG) temperature of the conductor for supply maximum permissible 75 °C material of the conductor for supply AL or CU type of electrical connection for load-side outgoing feeder Screw-type terminals type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder stranded 35 35 lbf·in type of connectable conductor for load-side outgoing feeder maximum permissible 75 °C material of the conductor for load-side outgoing feeder 75 °C material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil Screw-type terminals	Enclosure	
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 at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor for load-side outgoing feeder type of connectable conductor for supply AL or CU Screw-type terminals 1x (14 2 AWG) AL or CU Screw-type terminals 35 35 lbf·in 1x (14 2 AWG) 1x (14 2 AWG) AL or CU Type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible 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 Screw-type terminals	degree of protection NEMA rating	Open device (no enclosure)
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil Screw-type terminals	Mounting/wiring	
type of electrical connection for supply voltage line-side tightening torque [lbf-in] for supply 35 35 lbf-in type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply tightening torque [lbf-in] for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder AL or CU type of electrical connection of magnet coil Screw-type terminals 1x (14 2 AWG) 1x (14 2 AWG) 2x AWG) AL or CU Screw-type terminals	mounting position	Vertical
tightening torque [lbf-in] for supply type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder maximum permissible 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 Screw-type terminals	fastening method	Surface mounting and installation
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder 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 1x (14 2 AWG) Screw-type terminals 1x (14 2 AWG) To CU To CU Screw-type terminals	type of electrical connection for supply voltage line-side	Screw-type terminals
at AWG cables single or multi-stranded temperature of the conductor for supply maximum permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 75 °C Tx (14 2 AWG) 75 °C AL or CU Screw-type terminals	tightening torque [lbf·in] for supply	
permissible material of the conductor for supply type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil AL or CU Screw-type terminals		1x (14 2 AWG)
type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil Screw-type terminals 1x (14 2 AWG) 75 °C AL or CU Type of electrical connection of magnet coil		75 °C
tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 35 35 lbf·in 1x (14 2 AWG) 75 °C AL or CU Screw-type terminals		AL or CU
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multistranded 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 1x (14 2 AWG) 75 °C AL or CU type of electrical connection of magnet coil	type of electrical connection for load-side outgoing feeder	* 1
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 75 °C AL or CU type of electrical connection of magnet coil Screw-type terminals	tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil AL or CU Screw-type terminals	cables for load-side outgoing feeder single or multi-	1x (14 2 AWG)
type of electrical connection of magnet coil Screw-type terminals		75 °C
	material of the conductor for load-side outgoing feeder	AL or CU
tightening torque [lbf·in] at magnet coil 5 12 lbf·in	type of electrical connection of magnet coil	Screw-type terminals
	tightening torque [lbf·in] at magnet coil	5 12 lbf·in

type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded	2x (16 12 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
type of electrical connection for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at contactor for auxiliary contacts	10 15 lbf·in
type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded	1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)
temperature of the conductor at contactor for auxiliary contacts maximum permissible	75 °C
material of the conductor at contactor for auxiliary contacts	CU
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	7 10 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2x (20 14 AWG)
temperature of the conductor at overload relay for auxiliary contacts maximum permissible	75 °C
material of the conductor at overload relay for auxiliary contacts	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	10kA@600V (Class H or K); 100kA@600V (Class R or J)
design of the short-circuit trip	Thermal magnetic circuit breaker
breaking capacity maximum short-circuit current (Icu)	
• at 240 V	14 kA
● at 480 V	10 kA
• at 600 V	10 kA
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:30DUDC32A2VF

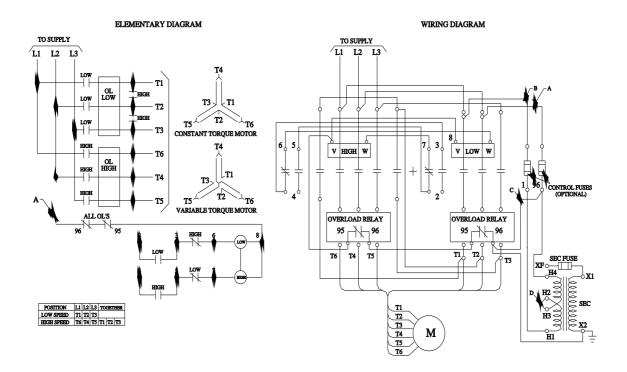
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:30DUDC32A2VF

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:30DUDC32A2VF&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:30DUDC32A2VF/certificate



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