SIEMENS

Data sheet US2:22BUC32AA



Figure similar

Reversing motor starter, Size 00, Three phase full voltage, Solid-state overload relay, OLRelay amp range 3-12a, 110 120/220 240VAC 60HZ coil, Non-combination type, Enclosure type (open), No enclosure

product brand name	Class 22
design of the product	Full-voltage reversing motor starter
special product feature	ESP200 overload relay
General technical data	
weight [lb]	6 lb
Height x Width x Depth [in]	7.69 × 10.5 × 3.92 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	
 at 200/208 V rated value 	1.5 hp
 at 220/230 V rated value 	1.5 hp
• at 460/480 V rated value	2 hp
• at 575/600 V rated value	0 hp
Contactor	
size of contactor	NEMA controller size 00
number of NO contacts for main contacts	3
operating voltage for main current circuit at AC at 60 Hz maximum	600 V
operational current at AC at 600 V rated value	9 A
mechanical service life (switching cycles) of the main contacts typical	10000000
Auxiliary contact	
number of NC contacts at contactor for auxiliary contacts	0
number of NO contacts at contactor for auxiliary contacts	1
number of total auxiliary contacts maximum	8
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
Coil	
type of voltage of the control supply voltage	AC
holding power at AC minimum	8.6 W

apparent plackup power of magnet coil at AC 28 VA 28 VA 28 VA 38 V	annount risk up nouse of second of 1, 1, 2, 2	240.1/A
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product function	OFF-delay time	10 24 ms
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phase failure detection	product function	
* symmetry detection * ground fault detection * etest function * etest function * external reset * so tetrnal re	 overload protection 	Yes
	 phase failure detection 	Yes
• Itest function • External reset reset function flip class cally stable current response value current of the current-dependent overload release nake time with automatic start after power failure navimum relative repeat accuracy reduct response value current of the current-dependent overload release name time with automatic start after power failure navimum relative repeat accuracy reduct respect accuracy reduct response value current of under the current-dependent overload releave protective coating on printed-circuit board number of NC contacts of auxiliary contacts of overload relay early and the contacts of auxiliary contacts of overload relay early and the contacts of auxiliary contacts of overload relay early and the contact reting of auxiliary contacts of overload relay early and the contact reting of auxiliary contacts of overload relay early and the contact reting of auxiliary contacts of overload relay early and the contact reting of auxiliary contacts of overload relay early and the contact reting of auxiliary contacts of overload relay early and the contact of the conductor for supply maximum permissible naterial of the conductor for load-side outgoing feeder type of connectable conductor rose-sections at AWG cables single or multi-stranded temperature of the conductor for load-side outgoing feeder naterial of the con	 asymmetry detection 	Yes
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cables for load-side outgoing feeder single or multi- stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C	tightening torque [lbf·in] for load-side outgoing feeder	20 20 lbf·in
maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C	cables for load-side outgoing feeder single or multi-	1x (14 2 AWG)
type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C		75 °C
tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C	material of the conductor for load-side outgoing feeder	AL or CU
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C	type of electrical connection of magnet coil	Screw-type terminals
type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum 75 °C	tightening torque [lbf·in] at magnet coil	5 12 lbf·in
	type of connectable conductor cross-sections of magnet	2x (16 12 AWG)
	·	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=US2:22BUC32AA

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

https://support.industry.siemens.com/cs/US/en/ps/US2:22BUC32AA

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=US2:22BUC32AA&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:22BUC32AA/certificate

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