## **SIEMENS**

Data sheet US2:14BUC32BD

Non-reversing motor starter Size 00 Three phase full voltage Solidstate overload relay OLRelay amp range 3-12A 208VAC 60HZ coil Combination type Indoor general purpose use



Figure similar

General technical data	
Weight [lb]	8 lb
Height x Width x Depth [in]	11 × 7 × 5 in
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
Ambient temperature [°F] during operation	-4 +104 °F
Ambient temperature during storage	-30 +65 °C
Ambient temperature during operation	-20 +40 °C
Country of origin	USA

## Vielded mechanical performance [hp] for three-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value 2 hp

Contactor		
Number of NO contacts for main contacts	3	
Operating voltage for main current circuit at AC at 60 Hz maximum	600 V	
Operating 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	
Control supply voltage		
• at DC rated value	0 0 V	
• at AC at 60 Hz rated value	208 208 V	
• at AC at 50 Hz rated value	0 0 V	
Holding power at AC minimum	8.6 W	
Apparent pick-up power of magnet coil at AC	218 V·A	
Apparent holding power of magnet coil at AC	25 V·A	
Operating range factor control supply voltage rated value of magnet coil	0.85 1.1	
Percental drop-out voltage of magnet coil related to the input voltage	50 %	
Switch-on delay time	19 29 ms	
Off-delay time	10 24 ms	
Overload relay		
Product function		
Overload protection	Yes	
Phase failure detection	Yes	
Phase unbalance	Yes	
Ground fault detection	Yes	
Test function	Yes	
External reset	Yes	
Reset function	Manual, automatic and remote	
Trip class	Class 5 / 10 / 20 (factory set) / 30	
Adjustable pick-up value current of the current-dependent overload release	3 12 A	
Trip time at phase-loss maximum	3 s	

Deletive report accuracy	1%
Relative repeat accuracy	
Product feature Protective coating on printed-circuit board	Yes
Number of NC contacts of auxiliary contacts of	1
overload relay	
Number of NO contacts of auxiliary contacts of	1
overload relay	
Operating current of auxiliary contacts of overload	
relay	
• at AC at 600 V	5 A
• at DC at 250 V	1 A
Contact rating of auxiliary contacts of overload relay	5A@600VAC (B600), 1A@250VDC (R300)
according to UL	
Insulation voltage	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	600 V
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	300 V
Enclosure	
I learne of protection NI-N/A rating of the enclosure	
Degree of protection NEMA rating of the enclosure	NEMA Type 1
Design of the housing	NEMA Type 1 Indoor general purpose use
Design of the housing  Mounting/wiring	•
Design of the housing	•
Design of the housing  Mounting/wiring	Indoor general purpose use
Design of the housing  Mounting/wiring  Mounting position	Indoor general purpose use  Vertical
Design of the housing  Mounting/wiring  Mounting position  (mounting type)  Type of electrical connection for supply voltage lineside	Indoor general purpose use  Vertical  Surface mounting and installation
Design of the housing  Mounting/wiring  Mounting position (mounting type)  Type of electrical connection for supply voltage lineside  Tightening torque [lbf·in] for supply	Indoor general purpose use  Vertical  Surface mounting and installation
Design of the housing  Mounting/wiring  Mounting position  (mounting type)  Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  Type of connectable conductor cross-sections at line-	Indoor general purpose use  Vertical  Surface mounting and installation  Screw-type terminals
Design of the housing  Mounting/wiring  Mounting position (mounting type)  Type of electrical connection for supply voltage lineside  Tightening torque [lbf·in] for supply	Indoor general purpose use  Vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf-in
Design of the housing  Mounting/wiring  Mounting position (mounting type)  Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded  Temperature of the conductor for supply maximum	Indoor general purpose use  Vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf-in
Design of the housing  Mounting/wiring  Mounting position  (mounting type)  Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded	Indoor general purpose use  Vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf-in  1x(14 - 2 AWG)
Design of the housing  Mounting/wiring  Mounting position (mounting type)  Type of electrical connection for supply voltage lineside  Tightening torque [lbf-in] for supply  Type of connectable conductor cross-sections at lineside at AWG conductors single or multi-stranded  Temperature of the conductor for supply maximum	Indoor general purpose use  Vertical  Surface mounting and installation  Screw-type terminals  20 20 lbf-in  1x(14 - 2 AWG)

20 ... 20 lbf·in

1x(14 - 2 AWG)

75 °C

AL or CU

5 ... 12 lbf·in

feeder

feeder

or multi-stranded

feeder maximum permissible

Tightening torque [lbf·in] for load-side outgoing

Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single

Temperature of the conductor for load-side outgoing

Material of the conductor for load-side outgoing

Type of electrical connection of magnet coil

Tightening torque [lbf·in] at magnet coil

screw-type terminals

Type of connectable conductor cross-sections of magnet coil at AWG conductors single or multi-stranded	2 x (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 conductors for auxiliary contacts single or multi-stranded	1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (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 conductors for auxiliary contacts single or multi-stranded	2 x (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	10kA@600V (Class H or K); 100kA@600V (Class R or J)
the main circuit required	
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

## Further information

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

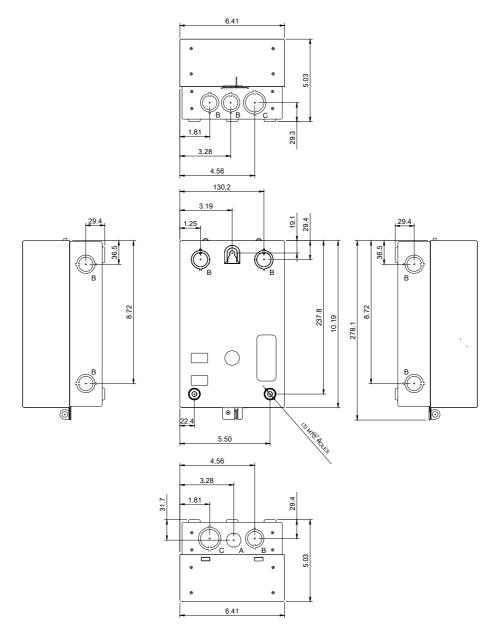
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14BUC32BD

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14BUC32BD

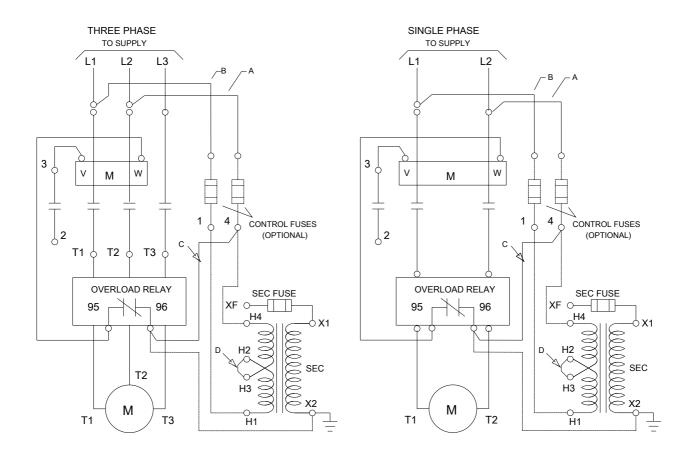
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14BUC32BD&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14BUC32BD/certificate



LETTER	KNOCKOUT & CONDUIT SIZE
Α	%%C22.2 FOR 12.7 CONDUIT
В	%%C22.2 X %%C28.6 FOR 12.7 & 19 CONDUIT
С	%%C28.6 X %%C34.9 FOR 19 & 25.4 CONDUIT



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**last modified:** 06/03/2019