SIEMENS

Data sheet US2:14DUD32BA

Non-reversing motor starter Size 1 Three phase full voltage Solidstate overload relay OLRelay amp range 5.5-22A 110-120/220-240VAC 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

Yielded 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 10 hp

• at 575/600 V rated value	10 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	27 A	
Mechanical service life (switching cycles) of the main contacts typical	1000000	
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	110 240 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-	5.5 22 A	
dependent overload release		
Trip time at phase-loss maximum	3 s	
Relative repeat accuracy	1 %	
Product feature Protective coating on printed-circuit	Yes	
board		
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		
 with single-phase operation at AC rated value 	600 V	
 with multi-phase operation at AC rated value 	300 V	
Enclosure		
Degree of protection NEMA rating of the enclosure	NEMA 1	
Design of the housing	Indoor general purpose use	
Mounting/wiring		
Wouthing/wiring		

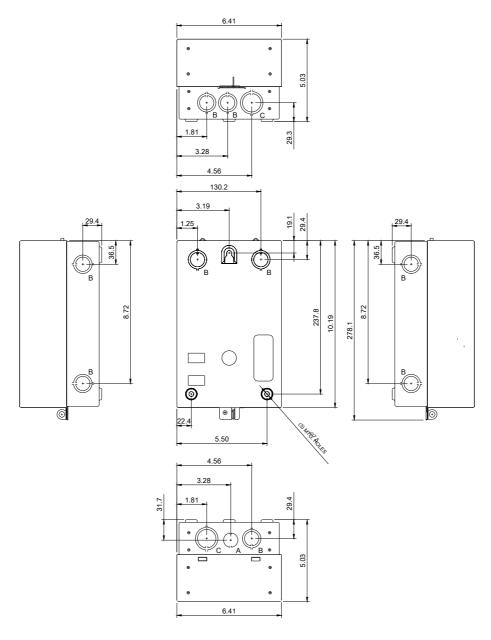
Mounting/wiring	
Mounting position	Vertical
Mounting type	Surface mounting and installation
Type of electrical connection for supply voltage line- side	Screw-type terminals
Tightening torque [lbf-in] for supply	35 35 lbf·in
Type of connectable conductor cross-sections at line- side at AWG conductors 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
Tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	1x(14 - 2 AWG)
Temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
Material of the conductor for load-side outgoing feeder	AL or CU
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 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

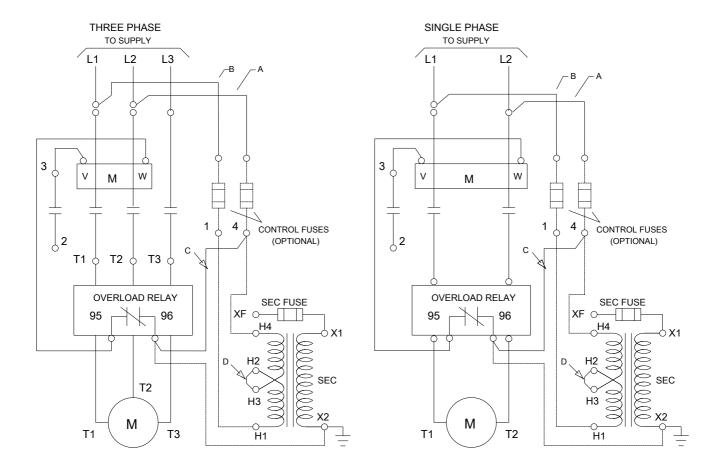
Short-circuit current rating	
Design of the fuse link for short-circuit protection of	10kA@600V (Class H or K); 100kA@600V (Class R or J)
the main circuit required	
Design of the short-circuit trip Thermal magnetic circuit breaker	
Maximum short-circuit current breaking capacity (Icu)	
● at 240 V	14 kA
● at 480 V	10 kA
● at 600 V	10 kA

Further information

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUD32BA



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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