SIEMENS

Data sheet

US2:14DUE32AL

Non-reversing motor starter Size 1 Three phase full voltage Solidstate overload relay OLRelay amp range 10-40a 240VAC 50HZ / 277VAC 60HZ coil Combination type No enclosure



Figure similar

General technical data		
Weight [lb]	3 lb	
Height x Width x Depth [in]	7.44 × 5.75 × 3.75 in	
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	
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	Mexico	
Horsepower ratings		
Yielded mechanical performance [hp] for three-phase AC motor		
• at 200/208 V rated value	7.5 hp	
• at 220/230 V rated value	7.5 hp	
• at 460/480 V rated value	0 hp	

• at 575/600 V	rated value
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0 hp

Contactor 3 Operating voltage for main contacts 3 Operating voltage for main current circuit at AC at 60 400 V Hz maximum 27 A Operating current at AC at 600 V rated value 27 A Mechanical service life (switching cycles) of the main contacts typical 10000000 Auxiliary contact 0 Number of NC contacts at contactor for auxiliary contacts 0 Contact solution of NO contacts at contactor for auxiliary contacts 1 Contact rating of auxiliary contacts of contacts 1 Control auxiliary contacts of contacts 1 Control supply voltage AC Control supply voltage AC Control supply voltage 0 • at AC at 50 Hz rated value 0 • at AC at 50 Hz rated value 218 VA Apparent holding power of magnet coil related to the magnet coil related to auxiliary contact at AC 25 V A Operating range factor control supply voltage rated value 0 0 V • at AC at 50 Hz rated value 218 VA Apparent holding power of magnet coil related to the magnet coil related to the input voltage 0 0 V • Broadut function 9 24 ms <td< th=""><th>• at 575/600 V rated value</th><th>0 hp</th></td<>	• at 575/600 V rated value	0 hp
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• Ground fault detection Yes • Test function Yes • External reset No Reset function Manual, automatic and remote	 Phase failure detection 	Yes
• Test function Yes • External reset No Reset function Manual, automatic and remote	Phase unbalance	Yes
External reset No Reset function Manual, automatic and remote	 Ground fault detection 	Yes
Reset function Manual, automatic and remote	Test function	Yes
	• External reset	No
Trip class Class 5 / 10 / 20 (factory set) / 30	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 release10 40 ATrip time at phase-loss maximum3 sRelative repeat accuracy1 %Product feature Protective coating on printed-circuit boardYes	
Relative repeat accuracy 1 % Product feature Protective coating on printed-circuit Yes	
Product feature Protective coating on printed-circuit Yes	
Number of NC contacts of auxiliary contacts of 1 overload relay 1	
Number of NO contacts of auxiliary contacts of 1 overload relay 1	
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 according to UL 5A@600VAC (B600), 1A@250VDC (R300)	
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 Open device (no enclosure)	
Design of the housing NA	
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-1x(14 - 2 AWG)side at AWG conductors single or multi-stranded	
Temperature of the conductor for supply maximum75 °Cpermissible75 °C	
Material of the conductor for ourply	
Material of the conductor for supply AL or CU	
Material of the conductor for supply AL or CU Type of electrical connection for load-side outgoing feeder Screw-type terminals	
Type of electrical connection for load-side outgoing Screw-type terminals	
Type of electrical connection for load-side outgoing feederScrew-type terminalsTightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·inType of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single 	
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Type of electrical connection for load-side outgoing feederScrew-type terminalsTightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·inType of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded1x(14 - 2 AWG)Temperature of the conductor for load-side outgoing75 °C	

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 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
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)

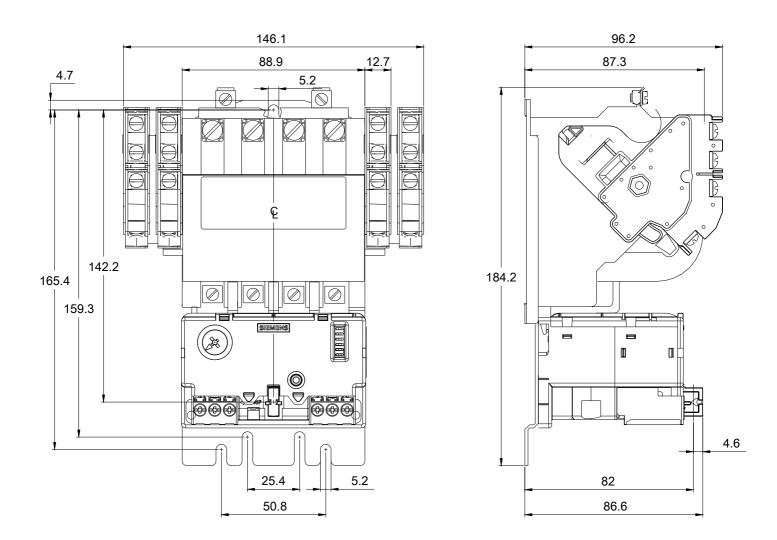
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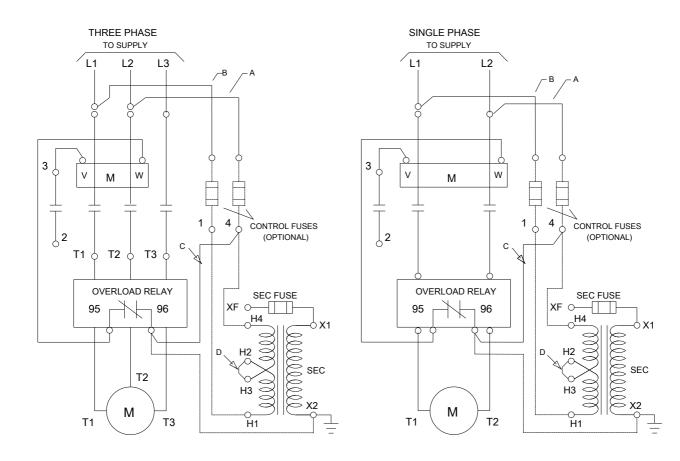
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUE32AL

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUE32AL&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUE32AL/certificate





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