SIEMENS

Data sheet

US2:14DUC32AE

Non-reversing motor starter Size 1 Three phase full voltage Solidstate overload relay OLRelay amp range 3-12A 550/575-600 50/60HZ 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	2 hp
• at 220/230 V rated value	2 hp
• at 460/480 V rated value	5 hp

• at 575/600 V rated value

5 hp

Contactor 3 Operating voltage for main current circuit at AC at 60 600 V Hz maximum 27 A Operating ourrent 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 at contactor for auxiliary contacts 0 Number of NC contacts at contactor for auxiliary contacts 1 Contact rating of auxiliary contacts of contacts 1 Contact rating of auxiliary contacts of contactor 10A@600VAC (A600), 5A@600VDC (P600) according to UL 0 Coll 0 Type of voltage of the control supply voltage AC Control supply voltage 4C • at DC rated value 0 0 V • at AC at 50 Hz rated value 550 550 V Holding power of magnet coil at AC 218 VA Apparent hicking power of magnet coil related to aute of the control supply voltage are of magnet coil related to aute of the	• at 575/600 V rated value	5 hp
Number of NO contacts for main contacts 3 Operating voltage for main current circuit at AC at 60 600 V 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 10000000 Auxiliary contact 0 Number of NC contacts at contactor for auxiliary contacts 1 Number of NO contacts at contactor for auxiliary contacts 1 Number of NO contacts at contacts of contactor according to UL 0 Contact rating of auxiliary contacts of contactor according to UL 0 Coll Type of voltage of the control supply voltage AC Control supply voltage 0 0 V 4 • at AC at 60 Hz rated value 575 600 V 550 550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 218 V/A Apparent pick-up power of magnet coil related to the input voltage 50 % Percental drop-out voltage of magnet coil related to the input voltage of magnet coil related to the input voltage 19 29 ms Off	Contactor	
Hz maximum Parating current at AC at 500 V rated value 27 A Mechanical service life (switching cycles) of the main contacts typical 1000000 Auxiliary contact 0 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) Colt Vumber of total auxiliary contacts of contactor according to UL Colt auxiliary contacts at contactor according to UL 0 Contact rating of auxiliary contacts of contactor according to UL 0 Colt auxiliary contacts of contactor according to UL 0 Colt auxiliary contacts of contactor according to UL 0 Colt auxiliary contacts at a to the control supply voltage AC Control supply voltage 0 0 V • at AC at 50 Hz rated value 575 600 V • at AC at 50 Hz rated value 550 550 V Holding 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 0.8 1.1	Number of NO contacts for main contacts	3
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 Number of total auxiliary contacts maximum 8 Contact rating of auxiliary contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Contact rating of auxiliary contacts of contactor according to UL 0 Control supply voltage AC Control supply voltage 0 • at DC rated value 00 V • at DC rated value 00 V • at AC at 60 Hz rated value 550 V • at AC at 50 Hz rated value 550 V • at AC at 50 Hz rated value 560 V • at AC at 50 Hz rated value 50 % • by parent hoting power of magnet coil at AC 25 V-A Operating range factor control supply voltage rated value 50 % • Switch-on delay time 10 29 ms Off-delay time 10 29 ms Off-delay time 10 24 ms Overload protection Yes • Phase failure detection Yes • C	Operating voltage for main current circuit at AC at 60	600 V
Mechanical service life (switching cycles) of the main contacts typical 1000000 Auxiliary contact 0 Number of NC contacts at contactor for auxiliary contacts 0 Number of NC contacts at contactor for auxiliary contacts 1 Contact rating of auxiliary contacts maximum 8 Contact rating of auxiliary contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Contact rating of auxiliary contacts of contactor according to UL 0 Control supply voltage AC Control supply voltage 0 • at DC rated value 575 600 V • at AC at 60 Hz rated value 550 550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 25 V-A Operating range factor control supply voltage rated value of magnet coil related to the input voltage 0.8.5 1.1 Percental drop-out voltage of magnet coil related to the input voltage 50 % Off-delay time 10 24 ms Overload protection Yes • Product function Yes • Phase failure detection Yes • Phase tailure detection Yes <tr< td=""><td>Hz maximum</td><td></td></tr<>	Hz maximum	
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 maximum 8 Contact rating of auxiliary contacts of contactor according to UL Coll Type of voltage of the control supply voltage • at DC rated value • at C at 60 Hz rated value • at AC at 50 Hz rated value <td>Operating current at AC at 600 V rated value</td> <td>27 A</td>	Operating current at AC at 600 V rated value	27 A
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) Coll 10A@600VAC (A600), 5A@600VDC (P600) Coll 0 Contact rating of auxiliary contacts of contactor according to UL 0 Coll 0 Coll 0 ************************************		1000000
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) Coll 00 V Type of voltage of the control supply voltage AC Control supply voltage 00 V • at DC rated value 555600 V • at AC at 50 Hz rated value 555600 V • at AC at 50 Hz rated value 550550 V Holding power at AC minimum 8.8 W Apparent pick-up power of magnet coil at AC 218 V-A Apparent pick-up power of magnet coil at AC 25 V-A Operating range factor control supply voltage rated value 50 % • bit input voltage 50 % Overload relay time 19 29 ms Off-delay time 10 24 ms Overload protection Yes • Phase failure detection	contacts typical	
contactsNumber of NO contacts at contactor for auxiliary contacts1Number of total auxiliary contacts maximum8Contact rating of auxiliary contacts of contactor according to UL10A@600VAC (A600), 5A@600VDC (P600)CollType of voltage of the control supply voltage• at DC rated value0 0 V• at DC rated value0 0 V• at AC at 60 Hz rated value550 550 V• bloiding power at AC minimum8.6 WApparent holding power of magnet coil at AC218 V-AApparent holding power of magnet coil related to the input voltage0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage0.85 1.1Overload probection19 29 msOff-delay time19 24 msOverload functionYes• Overload protectionYes• Phase failure detectionYes• Phase failure detectionYes• Coround fault detectionYes• Frast functionYes• Coround fault detectionYes• Fast functionYes• External resetNo• Reset functionManual, automatic and remote	Auxiliary contact	
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) Coll 10A@600VAC (A600), 5A@600VDC (P600) Coll 00 V Control supply voltage AC • at DC rated value 00 V • at AC at 60 Hz rated value 550550 V • at AC at 50 Hz rated value 560550 V • at AC at 50 Hz rated value 25 V-A Operating range factor control supply voltage rated value of magnet coil at AC 25 V-A Operating range factor control supply voltage rated value of magnet coil related to the input voltage of magnet coil related to the input voltage of magnet coil related to the input voltage 0.85 1.1 Switch-on delay time 19 29 ms 0% Off-delay time 19 24 ms Overload protection Yes • Phase failure detection Yes • Phase failure detection Yes • Cordinal fault detection Yes • Chick fault detection Yes • Phase failure inset No • External reset No <td>Number of NC contacts at contactor for auxiliary</td> <td>0</td>	Number of NC contacts at contactor for auxiliary	0
contacts 8 Number of total auxiliary contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Control supply coltage AC Control supply voltage AC • at DC rated value 0 0 V • at AC at 60 Hz rated value 575 600 V • at AC at 50 Hz rated value 550 550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 218 V-A Apparent pick-up power of magnet coil at AC 25 V-A Operating range factor control supply voltage rated value 50 1.1 • value of magnet coil 98 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 Yes • Overload protection Yes • Phase tailure detection Yes • Ground fault detection Yes • Ground fault detection Yes • Courded protection Yes • Phase unbalance Yes • Ground fault detection Yes • Frest function </td <td></td> <td></td>		
Number of total auxiliary contacts maximum 8 Contact rating of auxiliary contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Type of voltage of the control supply voltage AC Control supply voltage 00 V • at DC rated value 575600 V • at AC at 60 Hz rated value 550550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 218 V-A Apparent pick-up power of magnet coil at AC 25 V-A Operating range factor control supply voltage rated 0.85 1.1 value of magnet coil 9 29 ms Off-delay time 10 24 ms Overload protection Yes Product function Yes • Phase failure detection Yes • Phase function Yes • Cound fault detection Yes • Cound fault detection Yes • Cound fault detection Yes • Phase failure detection Yes • Phase function Yes • Cound fault detection Yes • Phase function Yes • Creat function Yes	-	1
Contact rating of auxiliary contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) Type of voltage of the control supply voltage AC Control supply voltage 0 0 V • at DC rated value 0 0 V • at AC at 50 Hz rated value 575 600 V • at AC at 50 Hz rated value 550 550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 218 V-A Operating range factor control supply voltage rated value of magnet coil at AC 25 V-A Operating range factor control supply voltage rated value of magnet coil related to the input voltage of magnet coil 50 % Porcload relay Product function Yes • Overload protection Yes • Phase failure detection Yes • Fhase unbalance Yes • Ground fault detection Yes • External reset No Reset function Manual, automatic and remote		
according to UL Coll Type of voltage of the control supply voltage AC Control supply voltage 0 0 V • at DC rated value 0 0 V • at AC at 60 Hz rated value 575 600 V • at AC at 50 Hz rated value 550 550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 218 V-A Apparent pick-up power of magnet coil at AC 25 V-A Operating range factor control supply voltage rated 0.85 1.1 value of magnet coil 0.85 1.1 Percental drop-out voltage of magnet coil related to the input voltage 19 29 ms Off-delay time 19 24 ms Overload protection Yes • Phase failure detection Yes • Phase unbalance Yes • Ground fault detection Yes • Ground fault detection Yes • External reset No Reset function Manual, automatic and remote		
Coll Type of voltage of the control supply voltage AC Control supply voltage 0 0 V • at DC rated value 575 600 V • at AC at 60 Hz rated value 550 550 V Holding power at AC minimum 8.6 W Apparent pick-up power of magnet coil at AC 218 V-A Apparent pick-up 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 % Off-delay time 19 29 ms Off-delay time 10 24 ms Product function Yes • Phase inbalance Yes • Ground fault detection Yes • Ground fault detection Yes • Test function Yes • External reset No Reset function Manual, automatic and remote	-	10A@600VAC (A600), 5A@600VDC (P600)
Type of voltage of the control supply voltage AC Control supply voltage 00 V • at DC rated value 575 600 V • at AC at 50 Hz rated value 550 550 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 Value of magnet coil 9 29 ms Off-delay time 19 29 ms Off-delay time 10 24 ms Overload protection Yes • Phase failure detection Yes • Phase unbalance Yes • Ground fault detection Yes • Ground fault detection Yes • External reset No Reset function Manual, automatic and remote		
Control supply voltage• at DC rated value0 0 V• at AC at 60 Hz rated value575 600 V• at AC at 50 Hz rated value550 550 VHolding power at AC minimum8.6 WApparent pick-up power of magnet coil at AC218 V-AApparent holding power of magnet coil at AC25 V-AOperating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload protection • Phase tailure detectionYesProduct function • Phase unbalance • Ground fault detectionYes• Ground fault detection • Test functionYes• Reset function • External resetYesReset functionManual, automatic and remote		
• at DC rated value0 0 V• at AC at 60 Hz rated value575 600 V• at AC at 50 Hz rated value550 550 VHolding power at AC minimum8.6 WApparent pick-up power of magnet coil at AC218 V-AApparent holding power of magnet coil at AC25 V-AOperating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload protectionYes• Phase failure detectionYes• Sound fault detectionYes• Ground fault detectionYes• External resetNoReset functionManual, automatic and remote		AC
• at AC at 60 Hz rated value575 600 V• at AC at 50 Hz rated value550 550 VHolding power at AC minimum8.6 WApparent pick-up power of magnet coil at AC218 V-AApparent holding power of magnet coil at AC25 V-AOperating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload protectionYes• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Control supply voltage	
Arr AC at 50 Hz rated value550 550 VHolding power at AC minimum8.6 WApparent pick-up power of magnet coil at AC218 V-AApparent holding power of magnet coil at AC25 V-AOperating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload relayYesProduct function • Phase failure detection • Ground fault detection • Test functionYes• Ground fault detection • External resetYesNoReset functionReset functionManual, automatic and remote	• at DC rated value	0 0 V
Holding power at AC minimum8.6 WApparent pick-up power of magnet coil at AC218 V-AApparent holding power of magnet coil at AC25 V-AOperating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload relayYesProduct function • Overload protectionYes• Phase failure detection • Fhase unbalance • Ground fault detectionYes• Test function • External resetYesNoReset functionManual, automatic and remote	• at AC at 60 Hz rated value	575 600 V
Apparent pick-up power of magnet coil at AC218 V-AApparent holding power of magnet coil at AC25 V-AOperating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload relayYesProduct function • Overload protectionYesPhase failure detection • Phase unbalance • Test function • Test functionYesNoKeset functionReset functionYesNoManual, automatic and remote	• at AC at 50 Hz rated value	550 550 V
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 Yes Product function Yes • Phase failure detection Yes • Phase unbalance Yes • Ground fault detection Yes • Test function Yes • External reset No Reset function Manual, automatic and remote	Holding power at AC minimum	8.6 W
Operating range factor control supply voltage rated value of magnet coil0.85 1.1Percental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload relayYesProduct functionYes• Overload protectionYes• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Apparent pick-up power of magnet coil at AC	218 V·A
value of magnet coilPercental drop-out voltage of magnet coil related to the input voltage50 %Switch-on delay time19 29 msOff-delay time10 24 msOverload relayProduct function• Overload protectionYes• Phase failure detectionYes• Phase failure detectionYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Apparent holding power of magnet coil at AC	25 V·A
the input voltage19 29 msSwitch-on delay time19 29 msOff-delay time10 24 msOverload relayProduct functionYes• Overload protectionYes• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote		0.85 1.1
Switch-on delay time19 29 msOff-delay time10 24 msOverload relay10 24 msProduct functionYes• Overload protectionYes• Phase failure detectionYes• Phase inbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote		50 %
Off-delay time10 24 msOverload relay10 24 msProduct functionYes• Overload protectionYes• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote		
Overload relay Product function • Overload protection • Phase failure detection • Phase failure detection • Phase unbalance • Ground fault detection • Test function • External reset No Reset function	-	
Product functionYes• Overload protectionYes• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Off-delay time	10 24 ms
• Overload protectionYes• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Overload relay	
• Phase failure detectionYes• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Product function	
• Phase unbalanceYes• Ground fault detectionYes• Test functionYes• External resetNoReset functionManual, automatic and remote	Overload protection	Yes
• 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	

Adjustable pick-up value current of the current- dependent overload release	3 12 A
Trip time at phase-loss maximum	3 s
Relative repeat accuracy	1 %
Product feature Protective coating on printed-circuit board	Yes
Number of NC contacts of auxiliary contacts of overload relay	1
Number of NO contacts of auxiliary contacts of 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-	Screw-type terminals
Type of electrical conflection for supply voltage line-	
side	
Tightening torque [lbf·in] for supply	35 35 lbf·in
	35 35 lbf·in 1x(14 - 2 AWG)
Tightening torque [lbf-in] for supply Type of connectable conductor cross-sections at line-	35 35 lbf·in
Tightening torque [lbf·in] for supplyType of connectable conductor cross-sections at line- side at AWG conductors single or multi-strandedTemperature of the conductor for supply maximum	35 35 lbf·in 1x(14 - 2 AWG)
Tightening torque [lbf·in] for supply Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded Temperature of the conductor for supply maximum permissible	35 35 lbf·in 1x(14 - 2 AWG) 75 °C
Tightening torque [lbf·in] for supplyType of connectable conductor cross-sections at line- side at AWG conductors single or multi-strandedTemperature of the conductor for supply maximum permissibleMaterial of the conductor for supplyType of electrical connection for load-side outgoing	35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU
Tightening torque [lbf·in] for supplyType of connectable conductor cross-sections at line- side at AWG conductors single or multi-strandedTemperature of the conductor for supply maximum permissibleMaterial of the conductor for supplyType of electrical connection for load-side outgoing feederTightening torque [lbf·in] for load-side outgoing feederType of connectable conductor cross-sections at AWG conductors for load-side outgoing feederType of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)
Tightening torque [lbf·in] for supplyType of connectable conductor cross-sections at line- side at AWG conductors single or multi-strandedTemperature of the conductor for supply maximum permissibleMaterial of the conductor for supplyType of electrical connection for load-side outgoing feederTightening torque [lbf·in] for load-side outgoing feederType of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single	35 35 lbf in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf in
Tightening torque [lbf·in] for supplyType of connectable conductor cross-sections at line- side at AWG conductors single or multi-strandedTemperature of the conductor for supply maximum permissibleMaterial of the conductor for supplyType of electrical connection for load-side outgoing feederTightening torque [lbf·in] for load-side outgoing feederType of connectable conductor cross-sections at AWG conductors for load-side outgoing feederType of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-strandedTemperature of the conductor for load-side outgoing	35 35 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU Screw-type terminals 35 35 lbf-in 1x(14 - 2 AWG)

Tightening termus [][hf in] at meanst sail	
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)

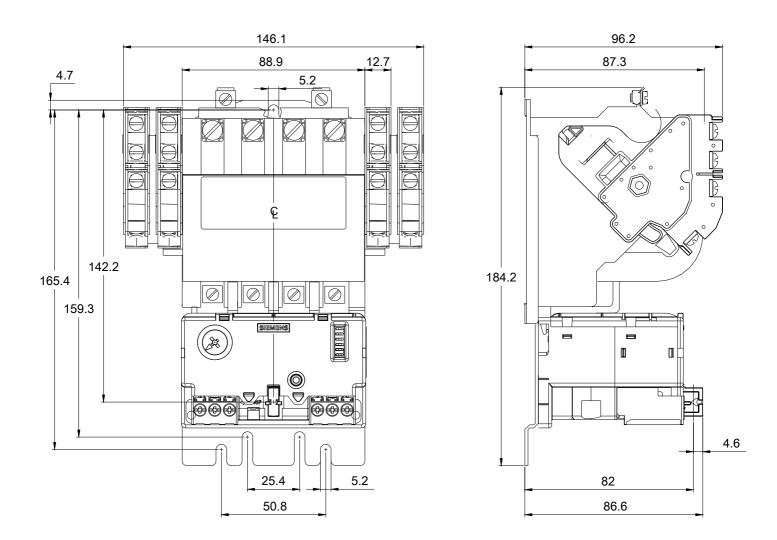
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUC32AE

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC32AE

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUC32AE&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC32AE/certificate





D46590001

last modified:

06/03/2019