## **SIEMENS**

Data sheet US2:14DUC320L



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLRelay amp range 3-12a, 240V 50HZ / 277V 60HZ coil, Non-combination type, Enclosure type 12, Dust/drip proof for indoors, Standard width enclosure

product brand name	Class 14	
design of the product	Full-voltage non-reversing motor starter	
special product feature	ESP200 overload relay	
General technical data		
weight [lb]	11 lb	
Height x Width x Depth [in]	13 × 8 × 5 in	
touch 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	
during operation	-4 +104 °F	
ambient temperature		
during storage	-30 +65 °C	
during operation	-20 +40 °C	
country of origin	USA	
Horsepower ratings		
yielded mechanical performance [hp] for 3-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		
size of contactor	NEMA controller size 1	
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	27 A	
mechanical service life (operating 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	345VA@115VAC / 768VA@240VAC	
Coil		
type of voltage of the control supply voltage	AC	
control supply voltage		
<ul> <li>at AC at 50 Hz rated value</li> </ul>	240 V	
at AC at 60 Hz rated value	277 V	
holding power at AC minimum	8.6 W	
apparent pick-up power of magnet coil at AC	218 VA	

	OF VA	
apparent holding power of magnet coil at AC	25 VA	
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 %	
ON-delay time	19 29 ms	
OFF-delay time	10 24 ms	
Overload relay		
product function		
overload protection	Yes	
phase failure detection	Yes	
<ul> <li>asymmetry detection</li> </ul>	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 current response value current of the current- dependent overload release	3 12 A	
tripping 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	
operational 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 (Ui)		
with single-phase operation at AC rated value	600 V	
with multi-phase operation at AC rated value     with multi-phase operation at AC rated value	300 V	
Enclosure		
degree of protection NEMA rating of the enclosure	NEMA Type 12	
design of the housing	Dust tight and drip proof for indoors	
Mounting/wiring	Successful and any proof for indoord	
mounting position	Vertical	
mounting position fastening method	Vertical Surface mounting and installation	
fastening method	Surface mounting and installation	
fastening method type of electrical connection for supply voltage line-side	Surface mounting and installation Screw-type terminals	
fastening method type of electrical connection for supply voltage line-side tightening torque [lbf·in] for supply type of connectable conductor cross-sections at line-side for	Surface mounting and installation	
fastening method  type of electrical connection for supply voltage line-side  tightening torque [lbf·in] for supply  type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	Surface mounting and installation Screw-type terminals 35 35 lbf·in 1x(14 - 2 AWG)	
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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 for AWG cables 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
certificate of suitability	NEMA ICS 2; UL 508; CSA 22.2, No.14
Approvals Certificates	
Test Certificates	



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Industry Mall (Online ordering system)

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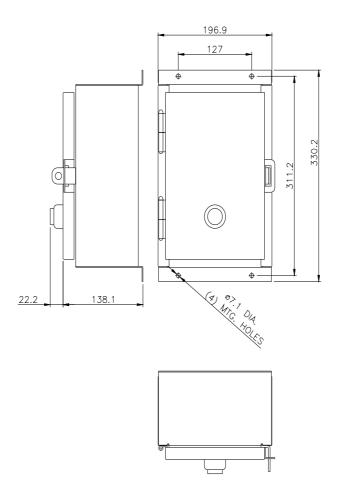
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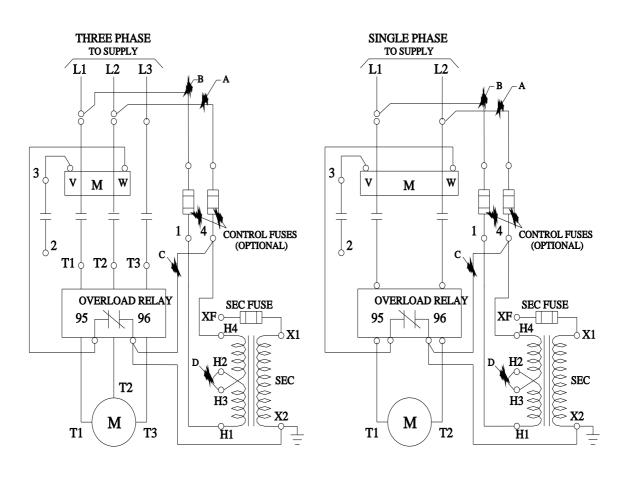
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Certificates/approvals

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