## **SIEMENS**

Data sheet US2:14DUC12AA



Non-reversing motor starter Size 1 Single phase full voltage Solid-state overload relay OLRelay amp range 3-12A 110-120/220-240VAC 60HZ coil Combination type No enclosure

product brand name	Class 14	
design of the product	Full-voltage non-reversing motor starter	
special product feature	ESP200 overload relay; Dual voltage coil	
General technical data		
weight [lb]	3 lb	
Height x Width x Depth [in]	7.44 × 5.75 × 3.75 in	
touch 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	
during operation	-4 +104 °F	
ambient temperature		
during storage	-30 +65 °C	
<ul> <li>during operation</li> </ul>	-20 +40 °C	
country of origin	Mexico	
Horsepower ratings		
yielded mechanical performance [hp] for single-phase AC motor		
<ul> <li>at 115 V rated value</li> </ul>	0.25 hp	
<ul><li>at 200/208 V rated value</li></ul>	0.5 hp	
<ul> <li>at 220/230 V rated value</li> </ul>	0.5 hp	
Contactor		
size of contactor	NEMA controller size 1	
number of NO contacts for main contacts	2	
operating voltage for main current circuit at AC at 60 Hz maximum	240 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	10A@600VAC (A600), 5A@600VDC (P600)	
Coil		
type of voltage of the control supply voltage	AC	
control supply voltage		
at AC at 60 Hz rated value	110 240 V	
holding power at AC minimum	8.6 W	
apparent pick-up power of magnet coil at AC	218 VA	
apparent holding power of magnet coil at AC	25 VA	
operating range factor control supply voltage rated value of	0.85 1.1	

magnet coil	EO 9/
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
asymmetry detection	Yes
ground fault detection	Yes
• test function	Yes
external reset	No
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	1A
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	300 V
Enclosure	
degree of protection NEMA rating of the enclosure	Open device (no enclosure)
	Open device (no enclosure) NA
degree of protection NEMA rating of the enclosure	. , ,
degree of protection NEMA rating of the enclosure design of the housing	
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring	NA .
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position	NA Vertical
degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method	Vertical Surface mounting and installation
degree of protection NEMA rating of the enclosure design of the housing  Mounting/wiring mounting position fastening method type of electrical connection for supply voltage line-side	Vertical Surface mounting and installation Screw-type terminals
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contacts	
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
Further information	

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

Industry Mall (Online ordering system)

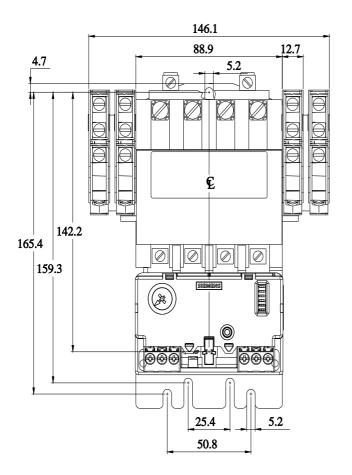
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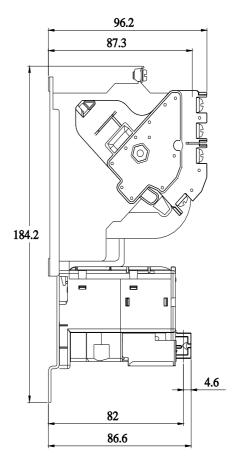
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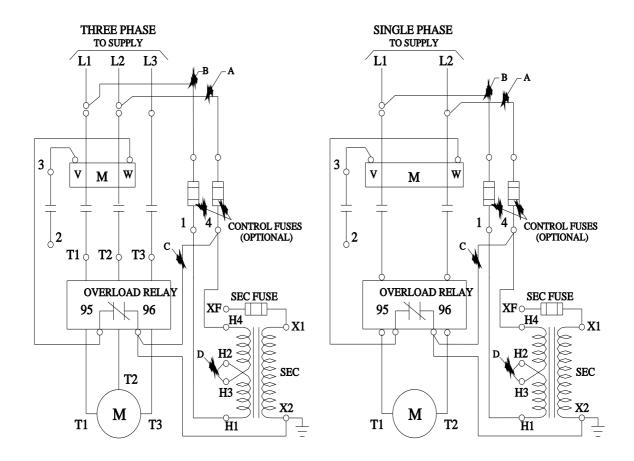
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Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC12AA/certificate







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