SIEMENS

Data sheet US2:14DUC32WS



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLRelay amp range 3-12a, 24Vdc coil, Non-combination type, Enclosure type 4X 304 S-steel, Water/dust tight noncorrosive, 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	DC
control supply voltage	
at DC rated value	24 V
holding power at AC minimum	0 W
apparent pick-up power of magnet coil at AC	163 VA
apparent holding power of magnet coil at AC	5.5 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	25 %
ON-delay time	21 21 ms
OFF-delay time	11 11 ms
Overload relay	
product function	
overload protection	Yes
phase failure detection	Yes
asymmetry detection	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-	3 12 A
dependent overload release	V 12A
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	5A@600VAC (B600), 1A@250VDC (R300)
UL insulation voltage (Ui)	
with single-phase operation at AC rated value	600 V
with multi-phase operation at AC rated value	300 V
Inclosure	
degree of protection NEMA rating of the enclosure	NEMA 4x 304 stainless steel enclosure
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degree of protection NEMA rating of the enclosure design of the housing	NEMA 4x 304 stainless steel enclosure Dust-tight, watertight & corrosion resistant
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring	Dust-tight, watertight & corrosion resistant
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position	Dust-tight, watertight & corrosion resistant Vertical
degree of protection NEMA rating of the enclosure design of the housing Mounting/wiring mounting position fastening method	Dust-tight, watertight & corrosion resistant 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	Dust-tight, watertight & corrosion resistant Vertical Surface mounting and installation Screw-type terminals
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 tightening torque [lbf-in] for supply	Vertical Surface mounting and installation Screw-type terminals 35 35 lbf·in
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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



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

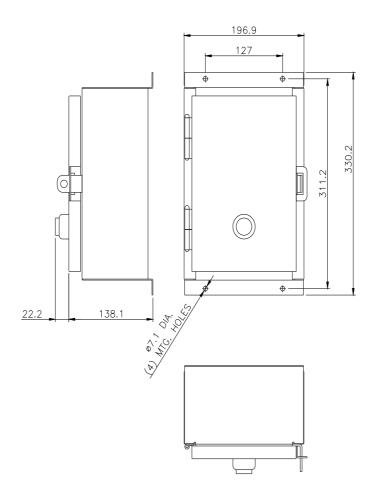
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUC32WS

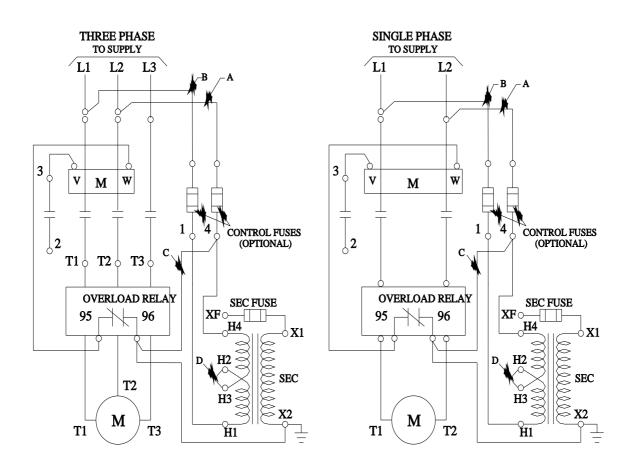
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC32WS

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUC32WS&lang=en

Certificates/approvals

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last modified: 12/7/2023 🖸

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