SIEMENS

Data sheet

US2:14DUC32BG



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 3-12A, Non-combination type, Enclosure type 1, Indoor general purpose use, Standard width enclosure

Figuresi	imilar
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product brand name Class 14 design of the product Full-voltage non-reversing motor starter special product feature ESP200 overload relay denoted technical data ESP200 overload relay weight [Ib] 8 lb Height X Wdth x Depth [In] 11 × 7 × 5 in touch protection against electrical shock (NA for enclosed products) installation altitude [IT] at height above sea level maximum 6660 ft ambient temperature [F] -22 +149 "F • during operation -4 +104 "F ambient temperature -30 +65 °C • during operation -20 +40 °C country of origin USA Horsepower ratings -20 +40 °C vielded mechanical performance [hp] for 3-phase AC motor -20 +40 °C • at 200/208 V rated value 2 hp • at 200/208 V rated value 2 hp • at 200/208 V rated value 5 hp • 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 0 maximum		
special product feature ESP200 overload relay General technical data 8 lb weight [lb] 8 lb Height X With x Depth [in] 11 × 7 × 5 in touch protection against electrical shock (NA for enclosed products) installation altiude [ft] at height above sea level maximum 6660 ft ambient temperature [FF] - 22 +149 "F • during operation -4 +104 "F ambient temperature -30 +65 "C • during operation -20 +40 "C country of origin USA Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor et 200/208 V rated value 2 hp • at 200/208 V rated value 2 hp 2 • at 200/208 V rated value 5 hp 600 V • at 460/480 V rated value 5 hp 600 V size of contactor NEMA controller size 1 1 number of NO contacts for main contacts 3 600 V operating voltage for main current circuit at AC at 60 Hz 27 A 600 V meximum 000000000000000000000000000000000000	product brand name	Class 14
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• 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 220/23 O V rated value 2 hp • at 460/480 V rated value 5 hp • at 4575/600 V rated value 5 hp • at 4575/600 V rated value 5 hp • at 4575/600 V rated value 5 hp • at 575/600 V rated value 5 hp • at 460/480 V rated value 5 hp • at 575/600 V rated value 5 hp • at 575/600 V rated value 5 hp • at 575/600 V rated value 5 hp • at 600 V rated value 5 hp • at 600 V contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 10000000 operational 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	during operation	-4 +104 °F
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• at 575/600 V rated value 5 hp Contactor size of contactor number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 27 A operational 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 contactor for auxiliary contacts 1 number of total auxiliary contacts of contactor according to UL 8 contact rating of auxiliary contacts of contactor according to UL 10A@600VAC (A600), 5A@600VDC (P600) coil 4C	• at 220/230 V rated value	2 hp
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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 4 type of voltage of the control supply voltage AC		1000000
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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	number of NC contacts at contactor for auxiliary contacts	0
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	number of NO contacts at contactor for auxiliary contacts	1
to UL Coil type of voltage of the control supply voltage AC	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage AC		10A@600VAC (A600), 5A@600VDC (P600)
	Coil	
	type of voltage of the control supply voltage	AC

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at AC at 50 Hz rated value	190 220 V
at AC at 60 Hz rated value	220 240 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 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
 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- 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	500 V
	1
degree of protection NEMA rating	
design of the housing	Indoor general purpose use
Mounting/wiring	
mounting position	Vertical
fastening method	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-side at AWG cables single or multi-stranded	1x(14 - 2 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	AL or CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	1x(14 - 2 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	AL or CU
type of electrical connection of magnet coil	screw-type terminals
tightening torque [lbf·in] at magnet coil	5 12 lbf·in
type of connectable conductor cross-sections of magnet	2 x (16 - 12 AWG)
coil at AWG cables single or multi-stranded	

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 cables 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 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	
breaking capacity maximum short-circuit current (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,)		
www.usa.siemens.com/iccatalog		
Industry Mall (Online ordering system)		

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUC32BG

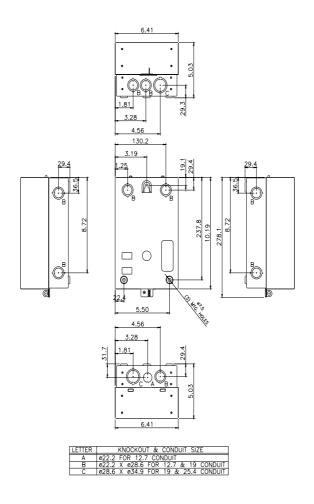
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC32BG

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14DUC32BG&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUC32BG/certificate



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