SIEMENS

Data sheet US2:14FUF32AF



Non-reversing motor starter Size 2 Three phase full voltage Solid-state overload relay OLRelay amp range 13-52a 110VAC 50HZ / 120VAC 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
General technical data	
weight [lb]	5 lb(av)
Height x Width x Depth [in]	8.13 × 5.75 × 4 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
during operation	-20 +40 °C
country of origin	Mexico
Horsepower ratings	
yielded mechanical performance [hp] for 3-phase AC motor	
at 200/208 V rated value	10 hp
• at 220/230 V rated value	15 hp
at 460/480 V rated value	25 hp
at 575/600 V rated value	25 hp
Contactor	
size of contactor	NEMA controller size 2
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	45 A
mechanical service life (operating cycles) of the main contacts typical	1000000
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	7
contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 2.5A@300VDC (Q300)
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
 at AC at 50 Hz rated value 	110 V
at AC at 60 Hz rated value	120 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 parents provided protecting angle factor control supply voltage rated value of magnet coil related to the input voltage of magnet voltage voltage of magnet voltage voltage of magnet voltage voltage of magnet		OF VA
precental circy-out violage of magnet coil related to the input voltage percental circy-out violage of magnet coil related to the input voltage of the product function overload protection overload related to easymmetry detection overload related to external reset overload related overload relate	apparent holding power of magnet coil at AC	25 VA
youtside the product function OFF-delay time Overload protection • overload protection • overload protection • phase fallarize detection • caymmetry detection • reset function • caymmetry detection • reset function • overload reset • No • reset function Itip class adjustable current response value current of the current dependent overload release tripping time at phase-loss maximum 3 s class 5 / 10 / 20 (factory set) / 30 adjustable current response value current of the current dependent overload release tripping time at phase-loss maximum 3 s relative repeat accouracy 1 % product feature protective coating on printed-circuit board number of No contacts of auxiliary contacts of overload relay 1 number of NO contacts of auxiliary contacts of overload relay 1 at AC at 800 V 1 AC at Cat 800 V 1 AC and Cat 800 V 1 AC contacts and auxiliary contacts of overload relay 1 at AC at 800 V 1 AC contacts and auxiliary contacts of overload relay according to UL insulation voltage (U) with single-phase operation at AC rated value 300 V with multi-phase operation at AC rated value 300 V insulation voltage (U) with single-phase operation at AC rated value 300 V insulation voltage (U) sufficient of the current of supply voltage line-side degree of protection NEMA rating of the enciosure degree of protection NEMA rating of the enciosure degree of protection or supply voltage line-side 300 V Vertical 300 V Surface mounting and installation Verical 300 V Vertical 300	magnet coil	
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tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU type of electrical connection of magnet coil	material of the conductor for supply	AL or CU
tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 45 45 lbf-in 1x(14 - 2 AWG) 75 °C AL or CU type of electrical connection of magnet coil		Box lug
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 1x(14 - 2 AWG) 75 °C AL or CU screw-type terminals		
temperature of the conductor for load-side outgoing feeder maximum permissible material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil 75 °C AL or CU screw-type terminals	type of connectable conductor cross-sections for AWG cables	
material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil AL or CU screw-type terminals	temperature of the conductor for load-side outgoing feeder	75 °C
type of electrical connection of magnet coil screw-type terminals		AL OIL
		AL OF CU
	material of the conductor for load-side outgoing feeder	
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded 2 x (16 - 12 AWG)	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil	screw-type terminals
temperature of the conductor at magnet coil maximum 75 °C	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for	screw-type terminals 5 12 lbf-in
	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG)
	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C
	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C
type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (18 - 16 AWG)	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts	screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals
temperature of the conductor at contactor for auxiliary contacts maximum permissible 75 °C	material of the conductor for load-side outgoing feeder type of electrical connection of magnet coil tightening torque [lbf·in] at magnet coil type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil type of electrical connection for auxiliary contacts tightening torque [lbf·in] at contactor for auxiliary contacts type of connectable conductor cross-sections at contactor for	screw-type terminals 5 12 lbf-in 2 x (16 - 12 AWG) 75 °C CU screw-type terminals 10 15 lbf-in

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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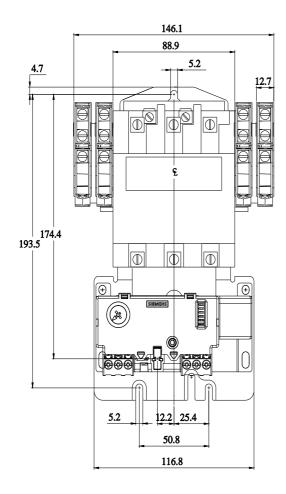
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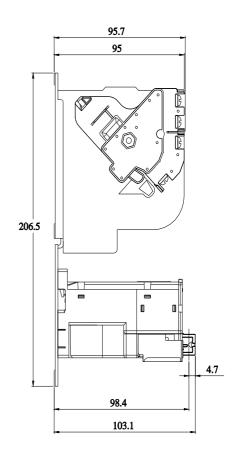
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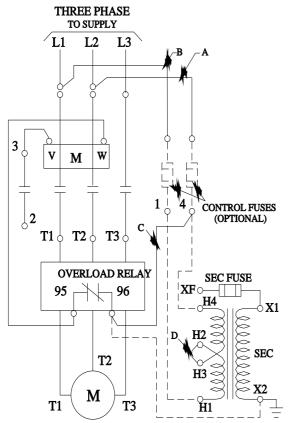
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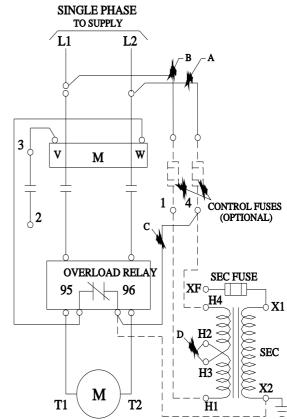
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last modified: 12/7/2023 🖸

