SIEMENS

Data sheet

US2:14EP32FF81



Non-reversing motor starter, Size 1 3/4, Three phase full voltage, Amb. compensate bimetal OLR, Contactor amp rating 40A, 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive

design of the product Full-voltage non-reversing motor starter special product feature Halfisize starter operand technical data	product brand name	Class 14 & 22
special product feature Half-size starter General tachnical data	•	
General technical data weight [b] 14 lb Height x Widh x Depth [n] 15 x 12 x 7 in Lock protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [FF] -22 +149 "F • during storage -22 +149 "F • during storage -30 +65 °C • during operation -20 +40 °C country of origin USA Horsepower ratings -20 +40 °C vielded mechanical performance [tp] for 3-phase AC motor -4 + 10 A "F • at 200/208 V rated value 10 hp • at 200/208 V rated value 10 hp • at 200/208 V rated value 15 hp • at 200/208 V rated value 15 hp • at 200/208 V rated value 10 hp	- · · ·	
Height X With x Depth [in] 15 × 12 × 7 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 operation -20 +65 °C • during operation -20 +40 °C country of origin USA Porsepower ratings - yielded mechanical performance [hp] for 3-phase AC motor • 10 hp • at 200/208 V rated value 10 hp • at 200/408 O V rated value 15 hp • at 40/40 V rated value 15 hp • at 40/408 O V rated value 15 hp • at 575/600 V rated value 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 0 operating voltage for main current circuit at AC at 60 Hz 10000000 vipical 10000000 vipical 10000000 vipical 10000000 vipical 1 numbe		
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Coil type of voltage of the control supply voltage AC control supply voltage at AC at 50 Hz rated value 110 V	number of total auxiliary contacts maximum	8
type of voltage of the control supply voltage AC control supply voltage at AC at 50 Hz rated value 110 V	contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 5A@600VDC (P600)
control supply voltage • at AC at 50 Hz rated value 110 V	Coil	
• at AC at 50 Hz rated value 110 V	type of voltage of the control supply voltage	AC
	control supply voltage	
• at AC at 60 Hz rated value 120 V	• at AC at 50 Hz rated value	110 V
	• at AC at 60 Hz rated value	120 V

holding power at AC minimum US2:14EP32FF81

Page 1/4

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
test function	Yes
external reset	Yes
reset function	Manual and automatic
adjustment range of thermal overload trip unit	0.85 1.15
number of NC contacts of auxiliary contacts of overload relay	1
number of NO contacts of auxiliary contacts of overload relay	0
operational current of auxiliary contacts of overload relay	
• at AC at 600 V	10 A
• at DC at 250 V	5 A
contact rating of auxiliary contacts of overload relay according to UL	10A@600VAC (A600), 5A@250VDC (P300)
Enclosure	
degree of protection NEMA rating	4X, fiber glass
design of the housing	dustproof, waterproof & resistant to corrosion
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	45 45 lbf·in
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 50 lbf-in
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 coil at AWG cables single or multi-stranded	2x (16 12 AWG)
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	1x (12 AWG), 2x (16 14 AWG), 2x (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 Security time terminale
type of electrical connection at overload relay for auxiliary contacts	Screw-type terminals
tightening torque [lbf·in] at overload relay for auxiliary contacts	5 12 lbf·in
type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-stranded	2x (16 12 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 (lcu)	
• 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

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

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14EP32FF81

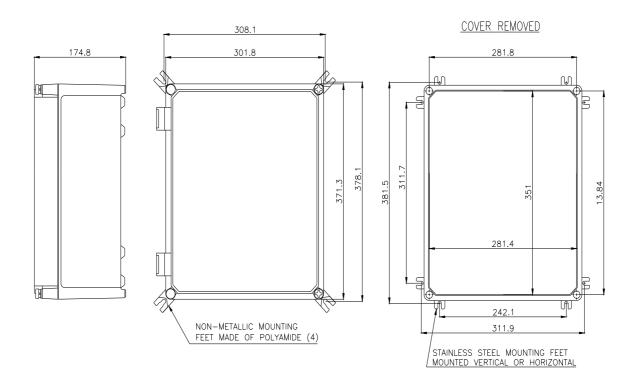
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

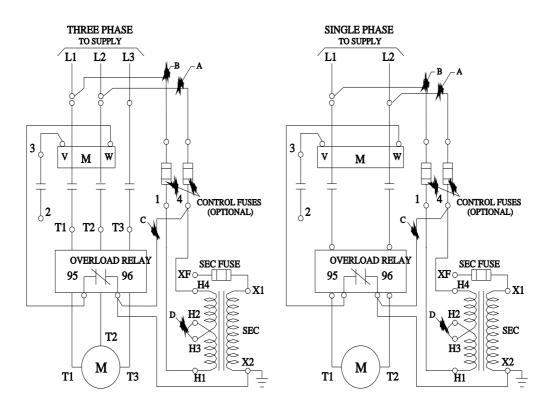
https://support.industry.siemens.com/cs/US/en/ps/US2:14EP32FF81

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14EP32FF81&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14EP32FF81/certificate





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