# SIEMENS

## Data sheet

### US2:14IP32FF81



Non-reversing motor starter, Size 3 1/2, Three phase full voltage, Amb. compensate bimetal OLR, Contactor amp rating 115A, 110V 50Hz / 120V 60Hz coil, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive

product brand name         Class 14 & 22           design of the product         Full-Voltage non-reversing motor starter           special product feature         Half-size starter           General technical data         Image: Starter           weight [b]         41 lb           Height X Width X Depth [n]         24 × 24 × 7 in           tockn protection against electrical shock         NA for enclosed products           installation altitude [1] at height above sea level maximum         6600 ft           ambient temperature [rF]         -           • during operation         -4 +104 "F           ambient temperature	i igure sinna	
special product feature     Half-size starter       General tochnical data       weight [b]     41 lb       Height X Wdth X Depth [in]     24 × 24 × 7 in       touch protection against electrical shock     NA for enclosed products       installation attitude [ft] at height above sea level maximum     6560 ft       ambient temperature [F]     -       • during storage     -22 +149 "F       • during operation     -4 +104 "F       armbient temperature     -       • during operation     -20 +40 "C       country of origin     USA       Hosepower attings     -30 +65 "C       • during operation     -20 +40 "C       country of origin     USA       Horsepower ratings     -30 +65 "C       • at 2002/208 V rated value     40 hp       • at 2002/208 V rated value     40 hp       • at 2002/208 V rated value     75 hp       • at 60/480 V rated value     75 hp       • at 60/480 V rated value     75 hp       • size of contactor     Controller half size 3 1/2       number of NQ contacts for main contacts     3       operating voltage for main cortext incut at AC at 60 Hz     600 V       maximum     715 A       ootacts at contactor for auxiliary contacts     5000000       Viprical     5000000   <	product brand name	Class 14 & 22
General technical data           weight [b]         41 lb           Height X Width X Depth [in]         24 × 24 × 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 +40 °C           country of origin         USA           Horsepower ratings         -           yielded mechanical performance [hp] for 3-phase AC motor         -           • at 200/280 V rated value         30 hp           • at 200/280 V rated value         75 hp           • at 575/600 V rated value         75 hp           • at 575/600 V rated value         600 V           mechanical service life (operating cycles) of the main contacts         3           operating voltage for main current circuit at AC at 60 Hz         600 V           mechanical service life (operating cycles) of the main contacts         5000000           operating voltage for main current circuit at AC at 60 Hz         600 V           maximum         600 V         115 A	design of the product	Full-voltage non-reversing motor starter
weight [b]       41 lb         Height x Width x Depth [in]       24 × 24 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature [°F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -20 +465 °C         • during operation       -20 +40 °F         • during operation       -20 +40 °C         • outry of origin       USA         Horsepower ratings       -90 m +40 °C         yielded mechanical performance [hp] for 3-phase AC motor       -4 ta 200/230 V rated value         • at 220/230 V rated value       30 hp         • at 220/230 V rated value       75 hp         • at 65/600 V rated value       75 hp         size of contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       5000000         maximum       ft5 A         operating voltage for on all contacts for main contacts       5000000         operational current at AC at 60 V rated value       115 A         mechanical service life (operating cycles) of the main contacts       50000000<	special product feature	Half-size starter
Height X'Width x Depth [in]       24 × 24 × 7 in         touch protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature [FF]       -         • during operation       -4+104 "F         ambient temperature [FG]       -22,+149 "F         • during operation       -4+104 "F         ambient temperature       -20+46 "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       30 hp         • at 200/208 V rated value       75 hp         • at 460/480 V rated value       75 hp         • at 460/480 V rated value       75 hp         operational current aircuit at AC at 60 Hz       3         operational current aircuit at AC at 60 Hz       -         maximum       -         operational service life (operating cycles) of the main contacts       -         operational current at AC at 60 V rated value       115 A         mechanical service life (operating cycles) of the main contacts       0         operational current at AC at 60 V rated v	General technical data	
Use of protection against electrical shock       NA for enclosed products         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       -22 +149 "F         • during storage       -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         • at 200/208 V rated value       30 hp         • at 220/230 V rated value       40 hp         • at 220/230 V rated value       75 hp         • at 640/480 V rated value       75 hp         • size of contactor       contracts         number of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       contacts         operating voltage for main current circuit at AC at 60 Hz       5000000         maximum       600 V         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operating voltage for main current circuit at AC at 60 Hz       6000 V         maximum	weight [lb]	41 lb
installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature [°F]       -22 +149 °F         • during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -20 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       -20 +40 °C         yielded mechanical performance [hp] for 3-phase AC motor       -4 ta 200/208 V rated value         • at 200/208 V rated value       30 hp         • at 220/208 V rated value       75 hp         • at 460/480 V rated value       75 hp         • controt of NC contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       operating voltage for main current circuit at AC at 60 Hz         mechanical service life (operating cycles) of the main contacts       5000000         typical       115 A         mechanical service life (operating cycles) of the main contacts       5000000         typical       115 A         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contacto	Height x Width x Depth [in]	24 × 24 × 7 in
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         yielded mechanical performance [hp] for 3-phase AC motor       - at 20/208 V rated value         • at 220/230 V rated value       30 hp         • at 220/230 V rated value       75 hp         • at 450/480 V rated value       75 hp         • at 450/480 V rated value       75 hp         • at 575/600 V rated value       30 V         mumber of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       115 A         operating voltage for main current circuit at AC at 60 Hz       5000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1	touch protection against electrical shock	NA for enclosed products
• during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -4 +104 °F         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       -20 +40 °C         yielded mechanical performance [hp] for 3-phase AC motor       -4 +104 °F         • at 200/208 V rated value       30 hp         • at 220/230 V rated value       30 hp         • at 460/480 V rated value       75 hp         • at 460/480 V rated value       75 hp         Contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       115 A         mechanical service life (operating cycles) of the main contacts       5000000         typical       Auxiliary contact       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         <	installation altitude [ft] at height above sea level maximum	6560 ft
• during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       -30 hp         yielded mechanical performance [hp] for 3-phase AC motor       -at 200/208 V rated value         • at 200/208 V rated value       30 hp         • at 460/480 V rated value       75 hp         • at 460/480 V rated value       75 hp         • at 4575/600 V rated value       75 hp         size of contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operational current at AC at 600 Hz       600 V         maximum       -0         operational current at AC at 600 Hz       5000000         waximum       115 A         mechanical service life (operating cycles) of the main contacts to 5000000       5000000         typical       -10 Amber of NC contacts of ro auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1	ambient temperature [°F]	
ambient temperature       -30 +65 °C         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepowor ratings	during storage	-22 +149 °F
• during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       USA         Horsepower ratings	during operation	-4 +104 °F
• during operation       -20 +40 °C         country of origin       USA         Horsepower ratings       9         yielded mechanical performance [hp] for 3-phase AC motor       0 hp         • at 200/208 V rated value       30 hp         • at 220/230 V rated value       40 hp         • at 460/480 V rated value       75 hp         • at 460/480 V rated value       75 hp         • at 4575/600 V rated value       75 hp         size of contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operating voltage for main current circuit at AC at 60 Hz       5000000         typical       115 A         mechanical service life (operating cycles) of the main contacts for 0       5000000         number of NC contacts at contactor for auxiliary contacts       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 NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor according to UL	ambient temperature	
country of origin       USA         Horsepower ratings       9         yielded mechanical performance [hp] for 3-phase AC motor       30 hp         • at 200/208 V rated value       30 hp         • at 220/230 V rated value       40 hp         • at 460/480 V rated value       75 hp         • at 455/600 V rated value       75 hp         • at 575/600 V rated value       75 hp         contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts       5000000         typical       NO contacts at contactor for auxiliary contacts       0         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 maximum       7         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	during storage	-30 +65 °C
Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       30 hp         • at 220/230 V rated value       40 hp         • at 460/480 V rated value       75 hp         • at 460/480 V rated value       75 hp         • at 575/600 V rated value       75 hp         Contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       115 A         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts to 5000000       5000000         typical       Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO 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 NO 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 NO contac	during operation	-20 +40 °C
yielded mechanical performance [hp] for 3-phase AC motor       30 hp         • at 200/208 V rated value       30 hp         • at 220/230 V rated value       40 hp         • at 460/480 V rated value       75 hp         • at 460/480 V rated value       75 hp         • at 575/600 V rated value       75 hp         Contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       9perational current at AC at 600 V rated value       115 A         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4C	country of origin	USA
• at 200/208 V rated value       30 hp         • at 220/230 V rated value       40 hp         • at 460/480 V rated value       75 hp         • at 575/600 V rated value       75 hp         • at 575/600 V rated value       75 hp         contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts to 5000000       5000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO 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), 5A@600VDC (P600)         Coil           type of voltage of the control supply voltage       AC	Horsepower ratings	
• at 220/230 V rated value       40 hp         • at 460/480 V rated value       75 hp         • at 575/600 V rated value       75 hp         • at 575/600 V rated value       75 hp         Contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       0         number of NO 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       0         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 maximum       7         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	yielded mechanical performance [hp] for 3-phase AC motor	
• at 460/480 V rated value       75 hp         • at 575/600 V rated value       75 hp <b>Contactor</b> 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       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       0         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts at contactor for auxiliary contacts       0         number of NO contacts at contactor for auxiliary contacts       1         number of NO contacts of contactor for auxiliary contacts       1         number of NO contacts of contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage       AC	• at 200/208 V rated value	30 hp
• at 575/600 V rated value         75 hp           Contactor         size of contactor         Controller half size 3 1/2           number of NO contacts for main contacts         3         0 perating voltage for main current circuit at AC at 60 Hz maximum         600 V           operational current at AC at 600 V rated value         115 A         5000000           properating voltage for main current circuit at AC at 60 Hz maximum         5000000         5000000           operational current at AC at 600 V rated value         115 A         5000000           mechanical service life (operating cycles) of the main contacts         5000000         5000000           typical         number of NC contacts at contactor for auxiliary contacts         0           number of NO contacts at contactor for auxiliary contacts         1         1           number of total auxiliary contacts maximum         7         7           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	<ul> <li>at 220/230 V rated value</li> </ul>	40 hp
Contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       0         number of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1         number of NO contacts at contact for auxiliary contacts       0         number of NO contacts at contact for auxiliary contacts       1         number of total auxiliary contacts maximum       7         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       Kppe of voltage of the control supply voltage       AC	• at 460/480 V rated value	75 hp
size of contactor       Controller half size 3 1/2         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       0         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 of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage       AC	• at 575/600 V rated value	75 hp
number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       5000000         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), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC	Contactor	
operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       600 V         operational current at AC at 600 V rated value       115 A         mechanical service life (operating cycles) of the main contacts typical       5000000         Auxiliary contact       0         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), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC	size of contactor	Controller half size 3 1/2
maximum     intervention       operational current at AC at 600 V rated value     115 A       mechanical service life (operating cycles) of the main contacts typical     5000000       Auxiliary contact     5000000       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), 5A@600VDC (P600)       Coil     AC	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical       5000000         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), 5A@600VDC (P600)         Coil       4C		600 V
typical       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), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage         AC       AC	operational current at AC at 600 V rated value	115 A
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), 5A@600VDC (P600)         Coil       4         type of voltage of the control supply voltage       AC		500000
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), 5A@600VDC (P600)         Coil       type of voltage of the control supply voltage         AC	Auxiliary contact	
number of total auxiliary contacts maximum       7         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       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	number of NO contacts at contactor for auxiliary contacts	1
Coil     AC	number of total auxiliary contacts maximum	7
type of voltage of the control supply voltage AC	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	control supply voltage	
• at AC at 50 Hz rated value 110 V	• at AC at 50 Hz rated value	110 V
• at AC at 60 Hz rated value 120 V	• at AC at 60 Hz rated value	120 V
holding power at AC minimum 14 W	holding power at AC minimum	14 W

apparent pick up power of recreation of A.C.	240.1/A
apparent pick-up power of magnet coil at AC	310 VA
apparent holding power of magnet coil at AC operating range factor control supply voltage rated value of	26 VA 0.85 1.1
operating range factor control supply voltage rated value of magnet coil	v.ov 1.1
percental drop-out voltage of magnet coil related to the input	50 %
voltage	
ON-delay time	26 41 ms
OFF-delay time	14 19 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 number of NO contacts of auxiliary contacts of overload relay	3 0
operational current of auxiliary contacts of overload relay	•
at AC at 600 V	5 A
• at DC at 250 V	5A
contact rating of auxiliary contacts of overload relay according to	5A@600VAC (B600), 5A@250VDC (P300)
UL	
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	Box lug
tightening torque [lbf·in] for supply	120 120 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
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 (Icu)	
• at 240 V	14 kA
• at 480 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=US2:14IP32FF81

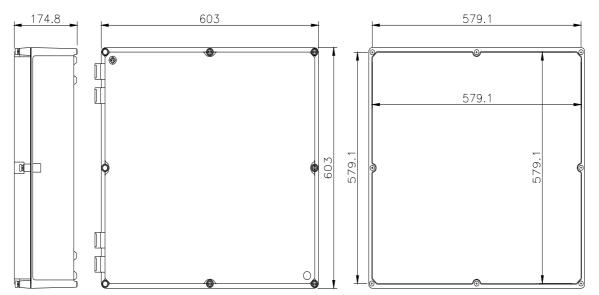
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:14IP32FF81

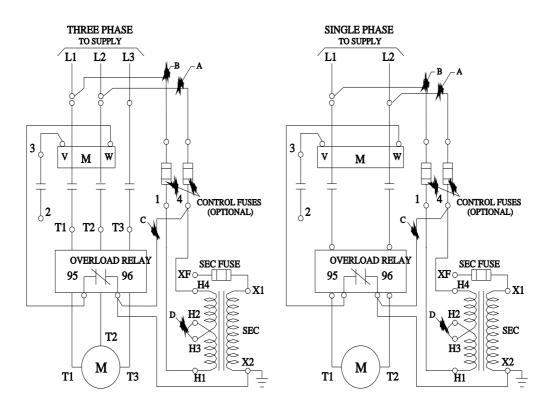
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14IP32FF81&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14IP32FF81/certificate



#### COVER REMOVED



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