SIEMENS

Data sheet

Figure similar

US2:14MPX32AE



Non-reversing motor starter Size 6 Three phase full voltage Solid-state overload relay OLRelay amp range 160-630A 575-600V 50-60HZ/DC coil Combination type No enclosure

product brand name Class 14 design of the product Full-voltage non-reversing motor starter General technical data		
General technical data 29 lb Height XWidh x Depth [in] 13.2 × 7.09 × 9.65 in touch protection against electrical shock Main circuit (not finger-safe): Control circuit (finger-safe) installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [°F] • during operation • during storage -22 +149 °F • during storage -30 +65 °C • during operation -30 +65 °C • during operation -20 +40 °C Horsepower ratings -30 +65 °C vielded mechanical performance [tp] for 3-phase AC motor -150 hp • at 200/208 V rated value 200 hp • at 200/208 V rated value 400 hp • at 200/208 V rated value 400 hp • at 200/208 V rated value 400 hp • at 400/480 V rated value 400 hp • at 200/208 V rated value 400 hp • at 575/600 V rated value 540 A 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 600 V maximum 640 A mechanical service	product brand name	Class 14
weight [lb] 29 lb Height x Width x Depth [in] 13.2 x 7.09 x 9.65 in touch protection against electrical shock Main circuit (not finger-safe): Control circuit (finger-safe) installation altitude [ft] al height above sea level maximum 6560 ft ambient temperature ['F] -22 +149 "F • during storage -22 +149 "F • during storage -30 +65 °C • during storage -30 +65 °C • during operation -20 +40 °C Horspower ratings -20 +40 °C yleided mechanical performance [hp] for 3-phase AC motor 150 hp • at 200/208 V rated value 150 hp • at 460/480 V rated value 400 hp • at 450/480 V rated value 400 hp • at 65/600 V rated value 50 hp • size of contactor NEMA controller size 6 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 500 V maximum 500 V operating voltage for main current circuit at AC at 60 Hz 10000000 Vipical 10000000 Auxiliary contacts 2 number of NO contacts at	design of the product	Full-voltage non-reversing motor starter
Height x Width x Depth [in] 13.2 x 7.09 x 9.65 in touch protection against electrical shock Main circuit (not finger-safe): Control circuit (finger-safe) installation attitude [ft] at height above sea level maximum 6560 ft ambient temperature ['F] -22 +149 "F • during operation -4 +104 "F ambient temperature -30 +65 °C • during operation -20 +40 °C Horsepower ratings -20 +40 °C Horsepower ratings -20 +40 °C vielded mechanical performance [hp] for 3-phase AC motor 150 hp • at 2200/208 V rated value 200 hp • at 220/230 V rated value 200 hp • at 460/480 V rated value 400 hp • contactor NEMA controller size 6 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 10000000 Vipical 10000000 Auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts	General technical data	
Total protection against electrical shock Main circuit (not finger-safe); Control circuit (finger-safe) installation altitude [ft] at height above sea level maximum 6560 ft ambient temperature [°F] -22 +149 °F • during operation -4 +104 °F ambient temperature -30 +65 °C • during operation -22 +40 °C Horsepower ratings -30 +65 °C yielded mechanical performance [hp] for 3-phase AC motor -20 +40 °C • at 200/208 V rated value 150 hp • at 220/230 V rated value 400 hp • at 575/600 V rated value 400 hp • at 575/600 V rated value 600 V size of contactor NEMA controller size 6 number of NO contacts for main contacts 3 operating values for main current circuit at AC at 60 Hz 600 V maximum 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 typical 10000000 typical 8 contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary cont	weight [lb]	29 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 • during operation • during operation -20 +40 °C Horsepower ratings -20 +40 °C Vielded mechanical performance [hp] for 3-phase AC motor -20 +40 °C • at 220/230 V rated value 150 hp • at 220/230 V rated value 400 hp • at 420/480 V rated value 400 hp • at 657/600 V rated value 400 hp • at 657/600 V rated value 400 hp • at 675/600 V rated value 600 V size of contactor NEMA controller size 6 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxillary contact 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2	Height x Width x Depth [in]	13.2 × 7.09 × 9.65 in
ambient temperature [*F] -22 +149 °F • during operation -4 +104 °F ambient temperature -30 +65 °C • during operation -20 +40 °C Horsepower ratings -20 +40 °C yielded mechanical performance [hp] for 3-phase AC motor -20 +40 °C • at 220/230 V rated value 150 hp • at 220/230 V rated value 200 hp • at 220/230 V rated value 400 hp • at 3575/600 V rated value 400 hp Contactor NEMA controller size 6 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 10000000 wechanical service life (operating cycles) of the main contacts 10000000 Auxilliary contact 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxili	touch protection against electrical shock	Main circuit (not finger-safe); Control circuit (finger-safe)
• during storage -22 +149 °F • during operation -4 +104 °F ambient temperature -30 +65 °C • during operation -20 +40 °C Horsepower ratings -30 +65 °C yielded mechanical performance [hp] for 3-phase AC motor -20 +40 °C • at 200/208 V rated value 150 hp • at 220/230 V rated value 200 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp • at 575/600 V rated value 400 hp • contactor NEMA controller size 6 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 540 A mechanical service life (operating cycles) of the main contacts 10000000 typical 7000000 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 <tr< td=""><td>installation altitude [ft] at height above sea level maximum</td><td>6560 ft</td></tr<>	installation altitude [ft] at height above sea level maximum	6560 ft
eduring operation 4 +104 °F ambient temperature during storage -30 +65 °C during operation -20 +40 °C Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor et at 200/208 V rated value 150 hp et at 200/208 V rated value 200 hp et at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value at 460/480 V rated value at 400 hp et at 575/600 V rated value at 00 hp et at 575/600 V rated value at 00 hp contactor size of contactor number of NO contacts for main contacts a operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 540 A mechanical service life (operating cycles) of the main contacts typical auxiliary contacts at contactor for auxiliary contacts 2 number of NC contacts of ror auxiliary contacts auxiliary contacts at contacts of contacts contact rating of auxiliary contacts contact rating of auxiliary contacts of contacts at contacts of contacts at contacts of contacts contact rating of auxiliary contacts of contacts of contacts of contacts of contacts at contacts of contacts of contacts of contacts of contacts of contacts contact rating of auxiliary contacts of contacts at contacts of contacts at contacts of contacts at contactor for auxiliary contacts	ambient temperature [°F]	
ambient temperature -30 +65 °C • during storage -30 +65 °C • during operation -20 +40 °C Horsepower ratings -20 +40 °C yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value 150 hp • at 220/230 V rated value 400 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp • at 575/600 V rated value 600 V contactor NEMA controller size 6 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 if (operating cycles) of the main contacts 10000000 typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary	 during storage 	-22 +149 °F
• during storage -30 +65 °C • during operation -20 +40 °C Horsepower ratings -20 +40 °C yielded mechanical performance [hp] for 3-phase AC motor - at 200/208 V rated value • at 200/208 V rated value 150 hp • at 200/208 V rated value 200 hp • at 460/480 V rated value 400 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp Size of contactor NEMA controller size 6 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 10000000 rumber of NC contacts at contactor for auxiliary contacts 10000000 typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of N	 during operation 	-4 +104 °F
• during operation -20 +40 °C Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 150 hp • at 220/230 V rated value 200 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp • at 575/600 V rated value 400 hp contactor NEMA controller size 6 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 540 A operational current at AC at 600 V rated value 540 A mechanical service life (operating cycles) of the main contacts 10000000 typical 10000000 Auxiliary contact 2 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of N	ambient temperature	
Horsepower ratings yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value 150 hp • at 220/230 V rated value 200 hp • at 460/480 V rated value 400 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp Contactor NEMA controller size 6 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 540 A mechanical service life (operating cycles) of the main contacts 10000000 typical 10000000 Auxiliary contact 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil Example 10A@240VAC (A300), 2.5A@250VDC (Q300)	 during storage 	-30 +65 °C
yielded mechanical performance [hp] for 3-phase AC motor 150 hp • at 200/208 V rated value 200 hp • at 220/230 V rated value 200 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp • at 575/600 V rated value 400 hp Contactor NEMA controller size 6 number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 540 A operational current at AC at 600 V rated value 540 A mechanical service life (operating cycles) of the main contacts 10000000 typical 10000000 Auxiliary contact 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	 during operation 	-20 +40 °C
• at 200/208 V rated value 150 hp • at 220/230 V rated value 200 hp • at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp • at 575/600 V rated value 400 hp Contactor NEMA controller size 6 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 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil Example	Horsepower ratings	
e at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value 400 hp contactor Size of contactor number of NO contacts for main contacts operating voltage for main current circuit at AC at 60 Hz maximum operational current at AC at 600 V rated value 540 A mechanical service life (operating cycles) of the main contacts typical Auxiliary contacts rumber of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil	yielded mechanical performance [hp] for 3-phase AC motor	
• at 460/480 V rated value 400 hp • at 575/600 V rated value 400 hp Contactor 400 hp size of contactor NEMA controller size 6 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 540 A mechanical service life (operating cycles) of the main contacts topical 10000000 Auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil	• at 200/208 V rated value	150 hp
• at 575/600 V rated value 400 hp Contactor size of contactor size of 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 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of NC contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	• at 220/230 V rated value	200 hp
Contactor NEMA controller size 6 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 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 10000000 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	• at 460/480 V rated value	400 hp
size of contactor NEMA controller size 6 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 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 10000000 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	• at 575/600 V rated value	400 hp
number of NO contacts for main contacts 3 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 540 A operational current at AC at 600 V rated value 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 10000000 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	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 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 10000000 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	size of contactor	NEMA controller size 6
maximum operational current at AC at 600 V rated value 540 A mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	number of NO contacts for main contacts	3
mechanical service life (operating cycles) of the main contacts typical 10000000 Auxiliary contact 10000000 number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil 10A@240VAC (A300), 2.5A@250VDC (Q300)		600 V
typical Auxiliary contact number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300)	operational current at AC at 600 V rated value	540 A
number of NC contacts at contactor for auxiliary contacts 2 number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil 10A@240VAC (A300), 2.5A@250VDC (Q300)		1000000
number of NO contacts at contactor for auxiliary contacts 2 number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil Coil	Auxiliary contact	
number of total auxiliary contacts maximum 8 contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil 10A@240VAC (A300), 2.5A@250VDC (Q300)	number of NC contacts at contactor for auxiliary contacts	2
contact rating of auxiliary contacts of contactor according to UL 10A@240VAC (A300), 2.5A@250VDC (Q300) Coil	number of NO contacts at contactor for auxiliary contacts	2
Coil	number of total auxiliary contacts maximum	8
	contact rating of auxiliary contacts of contactor according to UL	10A@240VAC (A300), 2.5A@250VDC (Q300)
type of voltage of the control supply voltage AC/DC	Coil	
	type of voltage of the control supply voltage	AC/DC
control supply voltage	control supply voltage	
• at DC rated value 575 600 V	• at DC rated value	575 600 V
• at AC at 50 Hz rated value 575 600 V	 at AC at 50 Hz rated value 	575 600 V
• at AC at 60 Hz rated value 575 600 V	• at AC at 60 Hz rated value	575 600 V
holding power at AC minimum 10 W	holding power at AC minimum	10 W
apparent pick-up power of magnet coil at AC 830 VA	apparent pick-up power of magnet coil at AC	830 VA

apparent holding power of magnet coil at AC	9.2 VA
operating range factor control supply voltage rated value of	0.85 1.1
magnet coil	
percental drop-out voltage of magnet coil related to the input voltage	60 %
ON-delay time	45 100 ms
OFF-delay time	60 100 ms
Overload relay	
product function	
 overload protection 	Yes
 phase failure detection 	Yes
 asymmetry detection 	Yes
 ground fault detection 	No
test function	Yes
external reset	No
reset function	Manual and automatic
trip class	CLASS 20
adjustable current response value current of the current- dependent overload release	160 630 A
product feature protective coating on printed-circuit board	No
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 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	
degree of protection NEMA rating	Open device (no enclosure)
design of the housing	NA
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	180 195 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	3/0 AWG - 600 MCM (front only) or 250 - 500 MCM (back only) or 2 x 2/0 AWG - 2 x 500 MCM (both front & back)
temperature of the conductor for supply maximum permissible	
	75 °C
type of electrical connection for load-side outgoing feeder	75 °C Box lug
type of electrical connection for load-side outgoing feeder	Box lug
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for	Box lug 180 220 lbf·in
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder	Box lug 180 220 lbf·in 2 x 2/0 AWG - 500 MCM
type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-stranded temperature of the conductor for load-side outgoing feeder maximum permissible	Box lug 180 220 lbf·in 2 x 2/0 AWG - 500 MCM 75 °C
type of electrical connection for load-side outgoing feeder tightening torque [lbf·in] for load-side outgoing feeder type of connectable conductor cross-sections at 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	Box lug 180 220 lbf·in 2 x 2/0 AWG - 500 MCM 75 °C CU
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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	Box lug 180 220 lbf-in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at	Box lug 180 220 lbf-in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf-in
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum	Box lug 180 220 lbf-in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf-in 2 x (18 - 14 AWG)
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible	Box lug 180 220 lbf-in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf-in 2 x (18 - 14 AWG) 75 °C
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material of the conductor at magnet coil	Box lug 180 220 lbf-in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf-in 2 x (18 - 14 AWG) 75 °C CU
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at 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	Box lug 180 220 lbf-in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf-in 2 x (18 - 14 AWG) 75 °C CU screw-type terminals
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material 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 at	Box lug 180 220 lbf·in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf·in 2 x (18 - 14 AWG) 75 °C CU screw-type terminals 7 10 lbf·in 2 x (18 - 14 AWG) 75 °C CU screw-type terminals 7 10 lbf·in
type of electrical connection for load-side outgoing feeder tightening torque [lbf-in] for load-side outgoing feeder type of connectable conductor cross-sections at 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 tightening torque [lbf-in] at magnet coil type of connectable conductor cross-sections of magnet coil at AWG cables single or multi-stranded temperature of the conductor at magnet coil maximum permissible material 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 at AWG cables for auxiliary contacts single or multi-stranded temperature of the conductor at contactor for auxiliary contacts	Box lug 180 220 lbf·in 2 x 2/0 AWG - 500 MCM 75 °C CU screw-type terminals 7 10 lbf·in 2 x (18 - 14 AWG) 75 °C CU screw-type terminals 7 10 lbf·in 2 x (18 - 14 AWG) 75 °C CU screw-type terminals 7 10 lbf·in 2 x (20 - 16), 2x (18 - 14)

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	18kA@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	18 kA
• at 480 V	18 kA
• at 600 V	18 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) https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14MPX32AE

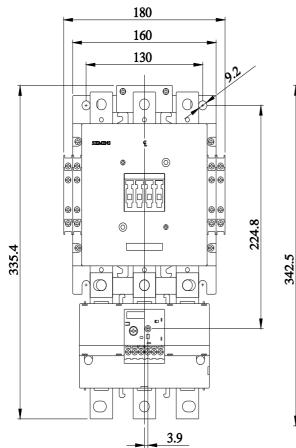
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

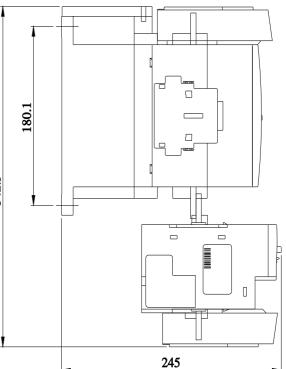
https://support.industry.siemens.com/cs/US/en/ps/US2:14MPX32A

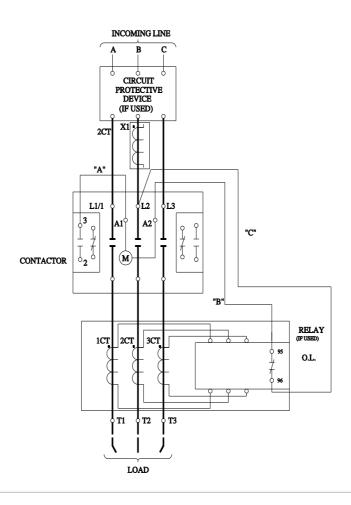
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:14MPX32AE&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14MPX32AE/certificate







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