## 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  | <ul> <li>during storage</li> </ul>                                | -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   | <ul> <li>during operation</li> </ul>                              | -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)   | <ul> <li>during storage</li> </ul>                                | -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)   | <ul> <li>during operation</li> </ul>                              | -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)<br>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   | <ul> <li>at AC at 50 Hz rated value</li> </ul>                    | 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   |  |
| <ul> <li>overload protection</li> </ul>  | Yes  |
| <ul> <li>phase failure detection</li> </ul>  | Yes  |
| <ul> <li>asymmetry detection</li> </ul>  | Yes  |
| <ul> <li>ground fault detection</li> </ul>   | No   |
| test function  | Yes  |
| external reset   | No   |
| reset function   | Manual and automatic   |
| trip class   | CLASS 20   |
| adjustable current response value current of the current-<br>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)  |  |
| <ul> <li>with single-phase operation at AC rated value</li> </ul>  | 600 V  |
| <ul> <li>with multi-phase operation at AC rated value</li> </ul>   | 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<br>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<br>Box lug   |
|  |  |
| type of electrical connection for load-side outgoing feeder  | Box lug  |
| type of electrical connection for load-side outgoing feeder<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for  | Box lug<br>180 220 lbf·in  |
| type of electrical connection for load-side outgoing feeder<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder  | Box lug<br>180 220 lbf·in<br>2 x 2/0 AWG - 500 MCM   |
| type of electrical connection for load-side outgoing feeder<br>tightening torque [lbf·in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible   | Box lug<br>180 220 lbf·in<br>2 x 2/0 AWG - 500 MCM<br>75 °C  |
| type of electrical connection for load-side outgoing feeder<br>tightening torque [lbf·in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder  | Box lug<br>180 220 lbf·in<br>2 x 2/0 AWG - 500 MCM<br>75 °C<br>CU  |
| type of electrical connection for load-side outgoing feeder<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>type of connectable conductor cross-sections of magnet coil at<br>AWG cables single or multi-stranded<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>type of connectable conductor cross-sections of magnet coil at<br>AWG cables single or multi-stranded<br>temperature of the conductor at magnet coil maximum<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>type of connectable conductor cross-sections of magnet coil at<br>AWG cables single or multi-stranded<br>temperature of the conductor at magnet coil maximum<br>permissible<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>type of connectable conductor cross-sections of magnet coil at<br>AWG cables single or multi-stranded<br>temperature of the conductor at magnet coil maximum<br>permissible<br>material of the conductor at magnet coil<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>type of connectable conductor cross-sections of magnet coil at<br>AWG cables single or multi-stranded<br>temperature of the conductor at magnet coil maximum<br>permissible<br>material of the conductor at magnet coil maximum<br>permissible<br>material of the conductor at magnet coil<br>type of electrical connection for auxiliary contacts<br>tightening torque [lbf-in] at contactor for auxiliary contacts<br>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<br>tightening torque [lbf-in] for load-side outgoing feeder<br>type of connectable conductor cross-sections at AWG cables for<br>load-side outgoing feeder single or multi-stranded<br>temperature of the conductor for load-side outgoing feeder<br>maximum permissible<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coil<br>tightening torque [lbf-in] at magnet coil<br>type of connectable conductor cross-sections of magnet coil at<br>AWG cables single or multi-stranded<br>temperature of the conductor at magnet coil maximum<br>permissible<br>material of the conductor at magnet coil maximum<br>permissible<br>material of the conductor at magnet coil<br>type of electrical connection for auxiliary contacts<br>tightening torque [lbf-in] at contactor for auxiliary contacts<br>type of connectable conductor cross-sections at contactor at<br>AWG cables for auxiliary contacts single or multi-stranded<br>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<br>at AWG cables for auxiliary contacts single or multi-stranded | 2 x (20 - 14 AWG)                                   |
| temperature of the conductor at overload relay for auxiliary<br>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<br>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

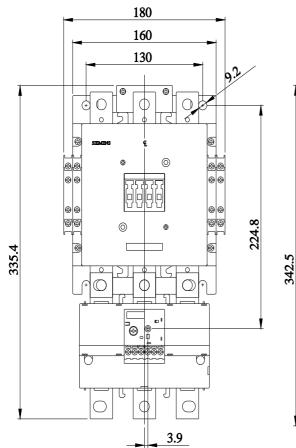
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

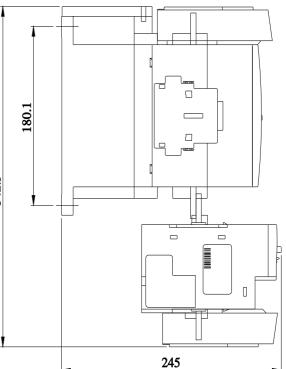
https://support.industry.siemens.com/cs/US/en/ps/US2:14MPX32A

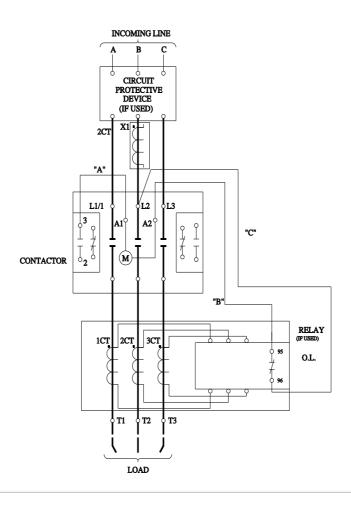
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14MPX32AE&lang=en

Certificates/approvals

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







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