## SIEMENS

## Data sheet

## US2:22CUC32AJ



Reversing motor starter Size 0 Three phase full voltage Solid-state overload relay OLRelay amp range 3-12A 24VAC 50-60HZ coil Non-combination type Enclosure type (open)

| product brand name         Class 22           design of the product feature         ESP200 overload relay           General technical data         ESP200 overload relay           Weight [b]         6 lb           Height x Width x Depth [m]         7.69 × 10.5 × 3.92 in           Touch protection against electrical shock         Not finger-safe           installation altitude [T] at height above sea level maximum         6560 ft           ambient temperature [T]         -4+104 "F           • during operation         -4+104 "F           ambient temperature         -30+65 "C           • during storage         -30+65 "C           • at 200/208 V rated value         2 hp           • at 220/230 V rated value         5 hp           • at 220/230 V rated value         5 hp <th>Figure similar</th> <th></th>  | Figure similar   |                                      |
|---|--|--------------------------------------|
| special product feature         ESP200 overload relay           General technical data                élib                    élib  | product brand name   | Class 22                             |
| General technical data       6 lb         weight (b)       6 lb         Height x Width x Depth [in]       7.69 x 10.5 x 3.92 in         fouch protection against electrical shock       Not finger-sale         installation altitude [II] 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         county of origin       Mexico         Horspower ratings       -30 +65 °C         yielded mechanical performance [hp] for 3-phase AC       -20 +40 °C         motor       -at 200/208 V rated value       2 hp         • at 200/208 V rated value       2 hp         • at 200/208 V rated value       5 hp         • at 250/200 V rated value       5 hp         • at 450/480 V rated value       5 hp         • at 65/600 V rated value       5 hp         operating voltage for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       -600 V         mumber of NC contacts at contactor for auxiliary contacts       1         number of NC contacts at contactor for auxiliary contacts       1         number of NC co  | design of the product  | Full-voltage reversing motor starter |
| weight [lb]       6 lb         Height x Width x Depth [in]       7.68 × 10.5 × 3.92 in         touch protection against electrical shock       Not finger-safe         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       - 4 +104 "F         - during storage       -22 +149 "F         - during operation       -4 +104 "F         ambient temperature       -30 +65 "C         - during operation       -20 +40 "C         country of origin       Mexico         Horspower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       - at 200/208 V rated value       2 hp         - at 400/480 V rated value       5 hp         - at 400/280 V rated value       5 hp         - at 400/280 V rated value       5 hp         - at 575/600 V rated value       5 hp         - size of contactor       NEMA controller size 0         rumber of NC contacts 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       800 V         mumber of NC contacts at contactor for auxiliary contacts       0         number of NC contacts at contactor for auxiliary contacts       1   | special product feature                                      | ESP200 overload relay                |
| Height X Width x Depth [in]       7.69 × 10.5 × 3.92 in         touch protection against electrical shock       Not finger-safe         installation altitude [ft] at height above sea level maximum       6660 ft         ambient temperature [°F]       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         county of origin       Mexico         Horspower ratings       -yieldet mechanical performance [hp] for 3-phase AC         motor       • at 220/208 V rated value       2 hp         • at 220/230 V rated value       5 hp         • at 460/480 V rated value       5 hp         • at 657/600 V rated value       5 hp         • at 675/600 V rated value       3         operating voltage for main contracts       3         operating voltage for main current circuit at AC at 60 Hz       1         maximum       18 A         operational current at AC at 600 V rated value       1         operational current at AC at 600 V rated value       1         member 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   | General technical data                                       |                                      |
| touch protection against electrical shock       Not finger-safe         installation altitude [ft] at height above sea level maximum       6560 ft         ambient temperature ['F]       • during operation       -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       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       • at 220/208 V rated value       2 hp         • at 220/208 V rated value       2 hp         • at 480/480 V rated value       5 hp         • at 455/500 V rated value       5 hp         • size of contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       10000000         operating voltage for main current circuit at AC at 60 Hz       1         maximum       10000000       1         operating voltage for main current circuit at AC at 60 Hz       1         maximum       10000000       1         operating voltage for main current circuit at AC at 60 Hz       1         numb  | weight [lb]  | 6 lb                                 |
| installation altitude [tt] 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 storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       2 hp         • at 220/230 V rated value       2 hp         • at 457/600 V rated value       5 hp         • at 657 Chool V rated value       5 hp         • at 60/480 V rated value       5 hp         • at 57/600 V rated value       5 hp         • at 57/600 V rated value       600 V         maximum       operational current circuit at AC at 60 Hz         maximum       100 0000         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       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 c   | Height x Width x Depth [in]                                  | 7.69 × 10.5 × 3.92 in                |
| ambient temperature ['F]       -22 +149 °F         • 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       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC         motor       • at 200/208 V rated value       2 hp         • at 200/208 V rated value       2 hp         • at 200/208 V rated value       5 hp         • at 200/208 V rated value       5 hp         • at 575/600 V rated value       5 hp         size of contactor       NEMA controller size 0         number of NO contacts for main current circuit at AC at 60 Hz<br>maximum       3         operating voltage for main current circuit at AC at 60 Hz<br>maximum       18 A         operational current at AC at 600 V rated value       18 A         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  | touch protection against electrical shock                    | Not finger-safe                      |
| • during storage       -22 +149 °F         • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       2 hp         • at 4200/230 V rated value       2 hp         • at 4200/280 V rated value       5 hp         Contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz maximum       3         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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 for auxiliary contacts       1         number of total auxiliary contacts of contactor according to U.       10A@600VAC (A                          | installation altitude [ft] at height above sea level maximum | 6560 ft                              |
| • during operation       -4 +104 °F         ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings  | ambient temperature [°F]                                     |                                      |
| ambient temperature       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       2 hp         • at 200/208 V rated value       2 hp         • at 460/480 V rated value       5 hp         Contactor       Size of contacts for main contacts         size of contacts for main contacts       3         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary 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 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         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 volage      | <ul> <li>during storage</li> </ul>                           | -22 +149 °F                          |
| • during storage       -30 +65 °C         • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings   | <ul> <li>during operation</li> </ul>                         | -4 +104 °F                           |
| • during operation       -20 +40 °C         country of origin       Mexico         Horsepower ratings       yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       2 hp         • at 220/230 V rated value       2 hp         • at 460/480 V rated value       5 hp         • at 450/480 V rated value       5 hp         • at 575/600 V rated value       5 hp         Contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts to private life (switching cycles) of the main contacts to contacts of nonactor for 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 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 | ambient temperature  |                                      |
| country of origin     Mexico       Horsepower ratings   | <ul> <li>during storage</li> </ul>                           | -30 +65 °C                           |
| Horsepower ratings         yielded mechanical performance [hp] for 3-phase AC motor         • at 200/208 V rated value       2 hp         • at 220/230 V rated value       2 hp         • at 460/480 V rated value       5 hp         • at 4575/600 V rated value       5 hp         contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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       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 of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         coli       type of voltage of the control supply voltage       AC   | <ul> <li>during operation</li> </ul>                         | -20 +40 °C                           |
| yielded mechanical performance [hp] for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 450/480 V rated value</li> <li>bp</li> <li>at 575/600 V rated value</li> <li>bp</li> </ul> Contactor         NEMA controller size 0           number of NO contacts for main contacts         3               operating voltage for main current circuit at AC at 60 Hz maximum <li>operational current at AC at 600 V rated value</li> <li>18 A</li> <li>mechanical service life (switching cycles) of the main contacts typical</li> 18 A           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         0           number of NC contacts at contactor for auxiliary contacts         1           number of NC contacts at contactor for auxiliary contacts         1           number of total auxiliary contacts maximum         8           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                                 | country of origin  | Mexico                               |
| motor       • at 200/208 V rated value       2 hp         • at 220/230 V rated value       2 hp         • at 460/480 V rated value       5 hp         • at 460/480 V rated value       5 hp         • at 575/600 V rated value       5 hp         contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       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         number of total auxiliary contacts of contactor according to UL       8         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       2 hp         • at 460/480 V rated value       5 hp         • at 575/600 V rated value       5 hp         • at 575/600 V rated value       5 hp         Contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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 total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4C   | , , , ,  |                                      |
| • at 460/480 V rated value       5 hp         • at 575/600 V rated value       5 hp         contactor       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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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       1         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         coli       type of voltage of the control supply voltage       AC   | <ul> <li>at 200/208 V rated value</li> </ul>                 | 2 hp                                 |
| • at 575/600 V rated value       5 hp         Contactor       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       0perational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         Auxiliary contact       0         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         number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts of contactor according to UL       8         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>                 | 2 hp                                 |
| Contactor         size of contactor       NEMA controller size 0         number of NO contacts for main contacts       3         operating voltage for main current circuit at AC at 60 Hz       600 V         maximum       0         operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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 total auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4C   | <ul> <li>at 460/480 V rated value</li> </ul>                 | 5 hp                                 |
| size of contactor       NEMA controller size 0         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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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 total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       Kpe of voltage of the control supply voltage       AC   | <ul> <li>at 575/600 V rated value</li> </ul>                 | 5 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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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 total auxiliary contacts maximum       8         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   | 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       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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       8         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  | NEMA controller size 0               |
| maximum       operational current at AC at 600 V rated value       18 A         mechanical service life (switching cycles) of the main contacts typical       10000000         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 total auxiliary contacts maximum       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       Kype of voltage of the control supply voltage       AC   | number of NO contacts for main contacts                      | 3                                    |
| mechanical service life (switching cycles) of the main contacts typical       1000000         Auxiliary contact       1000000         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       8         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  |  | 600 V                                |
| contacts 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       8         contact rating of auxiliary contacts of contactor according to UL       10A@600VAC (A600), 5A@600VDC (P600)         Coil       4C   | operational current at AC at 600 V rated value               | 18 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       8         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  |  | 1000000                              |
| number of NO contacts at contactor for auxiliary contacts       1         number of total auxiliary contacts maximum       8         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       8         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  | 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       AC   | number of NO contacts at contactor for auxiliary contacts    | 1                                    |
| to UL Coil type of voltage of the control supply voltage AC   | number of total auxiliary contacts maximum                   | 8                                    |
| type of voltage of the control supply voltage AC  |  | 10A@600VAC (A600), 5A@600VDC (P600)  |
|   | Coil   |                                      |
| control supply voltage  | type of voltage of the control supply voltage                | AC                                   |
|   | control supply voltage                                       |                                      |

| <ul> <li>at AC at 50 Hz rated value</li> </ul>   | 24 V                                 |
|--|--------------------------------------|
| at AC at 60 Hz rated value   | 24 V                                 |
| holding power at AC minimum  | 8.6 W                                |
| apparent pick-up power of magnet coil at AC  | 218 VA                               |
| apparent holding power of magnet coil at AC  | 25 VA                                |
| operating range factor control supply voltage rated value<br>of magnet coil  | 0.85 1.1                             |
| percental drop-out voltage of magnet coil related to the<br>input voltage  | 50 %                                 |
| ON-delay time  | 19 29 ms                             |
| OFF-delay time   | 10 24 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>   | Yes                                  |
| test function  | Yes                                  |
| external reset   | No                                   |
| reset function   | Manual, automatic and remote         |
| trip class   | CLASS 5 / 10 / 20 (factory set) / 30 |
| adjustable current response value current of the current-<br>dependent overload release                                  | 3 12 A                               |
| make time with automatic start after power failure maximum   | 3 s                                  |
| relative repeat accuracy   | 1 %                                  |
| product feature protective coating on printed-circuit board  | Yes                                  |
| number of NC contacts of auxiliary contacts of overload  | 1                                    |
| relay  |                                      |
| 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   | Screw-type terminals                 |
| tightening torque [lbf-in] for supply  | 20 20 lbf·in                         |
| type of connectable conductor cross-sections at line-side  | 1x (14 2 AWG)                        |
| at AWG cables single or multi-stranded<br>temperature of the conductor for supply maximum                                | 75 °C                                |
| permissible<br>material of the conductor for supply  | AL or CU                             |
| material of the conductor for supply<br>type of electrical connection for load-side outgoing feeder                      | Screw-type terminals                 |
| tightening torque [lbf-in] for load-side outgoing feeder   | 20 20 lbf·in                         |
| type of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded | 1x (14 2 AWG)                        |
| temperature of the conductor for load-side outgoing feeder maximum permissible   | 75 °C                                |
| material of the conductor for load-side outgoing feeder  | AL or CU                             |
| 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   | 2x (16 12 AWG)                       |
|  |                                      |

| coil at AWG cables single or multi-stranded  |   |  |
|--|---|--|
| 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<br>at AWG cables for auxiliary contacts single or multi-<br>stranded   | 1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)         |  |
| temperature of the conductor at contactor for auxiliary<br>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  | 7 10 lbf·in   |  |
| type of connectable conductor cross-sections at overload<br>relay at AWG cables for auxiliary contacts single or multi-<br>stranded  | 2x (20 14 AWG)                                      |  |
| temperature of the conductor at overload relay for auxiliary contacts maximum permissible  | 75 °C   |  |
| material of the conductor at overload relay for auxiliary contacts   | CU  |  |
| Short-circuit current rating   |   |  |
| design of the fuse link for short-circuit protection of the main circuit required  | 10kA@600V (Class H or K); 100kA@600V (Class R or J) |  |
| design of the short-circuit trip   | Thermal magnetic circuit breaker                    |  |
| breaking capacity maximum short-circuit current (Icu)  |   |  |
| • at 240 V   | 14 kA   |  |
| • at 480 V   | 10 kA   |  |
| ● at 600 V   | 10 kA   |  |
| certificate of suitability   | NEMA ICS 2; UL 508; CSA 22.2, No.14                 |  |
| Further information  |   |  |
| Industrial Controls - Product Overview (Catalogs, Brochures,)<br>www.usa.siemens.com/iccatalog<br>Industry Mall (Online ordering system)<br>https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:22CUC32AJ<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/US/en/ps/US2:22CUC32AJ<br>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)<br>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:22CUC32AJ⟨=en<br>Certificates/approvals |   |  |
| https://support.industry.siemens.com/cs/US/en/ps/US2:22CL  | JC32AJ/certificate                                  |  |

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