## **SIEMENS**

US2:30FUFF32A2VF **Data sheet** 



Figure similar

2-speed 3-phase motor starter Size 2 One winding consequent pole Constant or variable torque Solid-state overload relays Low SPD OLR range 13-52a High SPD OLR range 13-52a 110V 50HZ / 120V 60HZ coil Enclosure NEMA type (open) No enclosure

| design of the product special product feature ESP200 overload relay    Seperal technical data  | product brand name   | Class 30                             |
|--|--|--------------------------------------|
| weight [Ib] 10 lb Height x Width x Depth [in] 9.19 × 16.3 × 4.23 in touch protection against electrical shock Not finger-safe installation altitude [ft] at height above sea level maximum ambient temperature [°F] • during storage • 22 +149 °F • during operation - 4 +104 °F • during operation - 20 +65 °C • during operation - 20 +40 °C • during operat   | design of the product  | Full-voltage two speed motor starter |
| weight [ib] Height x Width x Depth [in] 9, 19 × 16.3 × 4,23 in Not finger-safe installation altitude [ft] at height above sea level maximum ambient temperature ["F] • during storage • during operation ambient temperature • during operation • at 200,208 V rated value • at 220,230 V rated value • at 220,230 V rated value • at 460,480 V rated value • at 575,600 V rated value • at 575,600 V rated value • at 575,600 V rated value • at 60 Contactor number of NC 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  Auxillary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contacts of contactor according to UL  type of voltage of the control supply voltage  AC  | special product feature                                      | ESP200 overload relay                |
| Height x Width x Depth [in]  touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature ["F]  • during storage • during operation ambient temperature • during storage • during operation • during operation • 20 +65 °C • during operation • 20 +40 °C  country of origin  Mexico   Mexico   Mexico   Mexico    Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 450/600 V rated value • at 575/600 V rated value • at 675/600 V rated value  Operating voltage for main contacts operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  operational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of vC contacts at contactor for auxiliary contacts number of vC contacts at contactor for auxili         | General technical data                                       |                                      |
| touch protection against electrical shock installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation -20 +40 °C  country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value • 25 hp • at 60 contactor  size of contactor  number of NO contacts for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxiliary contacts number of Not contacts at contactor for auxili     | weight [lb]  | 10 lb                                |
| installation altitude [ft] at height above sea level maximum ambient temperature [°F]  • during storage • during operation -4+104 °F  ambient temperature • during storage • during operation -20+40 °C  country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value 25 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 10 No V  MEMA controller size 2 600 V  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NO contacts at contactor for auxiliary contacts number of NO        | Height x Width x Depth [in]                                  | 9.19 × 16.3 × 4.23 in                |
| ambient temperature (°F)  • during storage • during operation  ambient temperature  • during storage • during operation  • during storage • during operation • 20 +65 °C • 20 +40 °C  country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value • at 575/600 V rated value  • be for nation current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts         | touch protection against electrical shock                    | Not finger-safe                      |
| <ul> <li>during storage</li> <li>during operation</li> <li>during operation</li> <li>during storage</li> <li>during operation</li> <li>during operation</li> <li>20 +40 °C</li> <li>country of origin</li> <li>Mexico</li> <li>Horsepower ratings</li> <li>yielded mechanical performance [hp] for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 460/480 V rated value</li> <li>at 5 hp</li> <li>at 575/600 V rated value</li> <li>at 5 hp</li> <li>at 575/600 V rated value</li> <li>fontactor</li> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operational current at AC at 600 V rated value</li> <li>45 A</li> <li>mechanical service life (switching cycles) of the main contacts typical</li> <li>Auxiliary contact</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts maximum</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>Coil</li> <li>type of voltage of the control supply voltage</li> </ul>   | installation altitude [ft] at height above sea level maximum | 6560 ft                              |
| <ul> <li>during operation</li> <li>during storage</li> <li>during operation</li> <li>20 +40 °C</li> <li>country of origin</li> <li>Mexico</li> <li>Horsepower ratings</li> <li>yielded mechanical performance [hp] for 3-phase AC motor</li> <li>at 220/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 5hp</li> <li>at 458/600 V rated value</li> <li>25 hp</li> <li>at 578/600 V rated value</li> <li>25 hp</li> <li>ontactor</li> <li>size of contactor</li> <li>number of NO contacts for main contacts</li> <li>operating voltage for main current circuit at AC at 60 Hz maximum</li> <li>operational current at AC at 600 V rated value</li> <li>at 600 V mechanical service life (switching cycles) of the main contacts typical</li> <li>Auxiliary contact</li> <li>number of NC contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of NO contacts at contactor for auxiliary contacts</li> <li>number of total auxiliary contacts of contactor according to UL</li> <li>contact rating of auxiliary contacts of contactor according to UL</li> <li>coll</li> <li>type of voltage of the control supply voltage</li> <li>AC</li> </ul>   | ambient temperature [°F]                                     |                                      |
| ambient temperature  • during storage  • during operation  country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  25 hp  • at 575/600 V rated value  25 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  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NC contacts at contactor for auxiliary contacts  number of NC contacts at contactor for auxiliary contacts  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  Auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary contacts  number of No contacts at contactor for auxiliary cont | <ul><li>during storage</li></ul>                             | -22 +149 °F                          |
| during storage     during operation     country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor     at 200/208 V rated value     at 220/230 V rated value     at 460/480 V rated value     at 575/600 V rated value     at 675/600 V rated value     at 675/600 V rated value     ize 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  Auxiliary contact  number of NC contacts at contactor of the main contacts by ical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor of total auxiliary contacts at contacts of contacts and contacts by ical  Auxiliary contact  number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  7  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  AC  | during operation   | -4 +104 °F                           |
| • during operation     country of origin  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor     • at 200/208 V rated value     • at 220/230 V rated value     • at 460/480 V rated value     • at 575/600 V rated value     25 hp     • at 575/600 V rated value     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     45 A     mechanical service life (switching cycles) of the main contacts typical  Auxillary contact     number of NO contacts at contactor for auxiliary contacts     number of NO contacts at contactor for auxiliary contacts     number of NO contacts at contactor for auxiliary contacts     number of SO contacts at contactor for auxiliary contacts     number of total auxiliary contacts maximum     7     contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  AC   | ambient temperature  |                                      |
| country of origin Mexico  Horsepower ratings  yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value 15 hp • at 220/230 V rated value 25 hp • at 675/600 V rated value 25 hp  Contactor  size of contactor NEMA controller size 2 number of NO contacts for main contacts 6 operating voltage for main current circuit at AC at 60 Hz maximum 0 operational current at AC at 600 V rated value 45 A mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NO contacts at contactor for auxiliary contacts 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 7 contact rating of auxiliary contacts maximum 7 contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage AC   | <ul> <li>during storage</li> </ul>                           | -30 +65 °C                           |
| yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value 25 hp • at 575/600 V rated value 25 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 mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NO contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum rocontact rating of auxiliary contacts of contactor according to UL  Coil type of voltage of the control supply voltage  AC  | during operation   | -20 +40 °C                           |
| yielded mechanical performance [hp] for 3-phase AC motor  • at 200/208 V rated value • at 220/230 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • 25 hp • at 575/600 V rated value  25 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  45 A mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum rocontact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  AC  | country of origin  | Mexico                               |
| motor  • at 200/208 V rated value  • at 220/230 V rated value  • at 460/480 V rated value  • at 460/480 V rated value  • at 4575/600 V rated value  25 hp  • at 575/600 V rated value  25 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  45 A  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NC contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  AC   | Horsepower ratings   |                                      |
| at 220/230 V rated value at 460/480 V rated value 25 hp  at 575/600 V rated value 25 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 mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  AC  |  |                                      |
| at 460/480 V rated value  at 575/600 V rated value  25 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  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  25 hp  25 hp  26 hp  27 hp  AEMA controller size 2  6000 V  45 A  10000000  45 A  10000000  20  20  10000000  21  10000000  10000000  100000000   | • at 200/208 V rated value                                   | 10 hp                                |
| • at 575/600 V rated value  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  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  NEMA controller size 2  6000 V  10000000  100000000  25 A  100000000  100000000  100000000  1000000  | • at 220/230 V rated value                                   | 15 hp                                |
| size of 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 mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  NEMA controller size 2  600 V  45 A 100000000  20 100000000  20 10000000000   | • at 460/480 V rated value                                   | 25 hp                                |
| 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  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  NEMA controller size 2  600 V  10000000  25  100000000  100000000  100000000  1000000   | <ul><li>at 575/600 V rated value</li></ul>                   | 25 hp                                |
| 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 mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum contact rating of auxiliary contacts of contactor according to UL  Coil type of voltage of the control supply voltage  600 V  | Contactor  |                                      |
| operating voltage for main current circuit at AC at 60 Hz maximum  operational current at AC at 600 V rated value  mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  recontact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  45 A  10000000  20  10000000  10000000  100000000   | size of contactor  | NEMA controller size 2               |
| maximum operational current at AC at 600 V rated value mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum 7 contact rating of auxiliary contacts of contactor according to UL  Coil type of voltage of the control supply voltage  45 A 10000000 10000000 100000000 1000000000  | number of NO contacts for main contacts                      | 6                                    |
| mechanical service life (switching cycles) of the main contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  10000000  2  10000000  10000000  100000000   | , ,  | 600 V                                |
| contacts typical  Auxiliary contact  number of NC contacts at contactor for auxiliary contacts  number of NO contacts at contactor for auxiliary contacts  number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  AC  | operational current at AC at 600 V rated value               | 45 A                                 |
| number of NC contacts at contactor for auxiliary contacts number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil type of voltage of the control supply voltage  2  10A@600VAC (A600), 5A@600VDC (P600)  | , <u> </u>   | 10000000                             |
| number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  2  10A@600VAC (A600), 5A@600VDC (P600)  AC   | Auxiliary contact  |                                      |
| number of NO contacts at contactor for auxiliary contacts number of total auxiliary contacts maximum  contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  2  10A@600VAC (A600), 5A@600VDC (P600)  AC   | number of NC contacts at contactor for auxiliary contacts    | 2                                    |
| contact rating of auxiliary contacts of contactor according to UL  Coil  type of voltage of the control supply voltage  10A@600VAC (A600), 5A@600VDC (P600)  AC  | number of NO contacts at contactor for auxiliary contacts    | 2                                    |
| to UL  Coil type of voltage of the control supply voltage  AC  | number of total auxiliary contacts maximum                   | 7                                    |
| type of voltage of the control supply voltage AC   |  | 10A@600VAC (A600), 5A@600VDC (P600)  |
| 7,77   | Coil   |                                      |
| control supply voltage   | type of voltage of the control supply voltage                | AC                                   |
|  | control supply voltage                                       |                                      |

| at AC at 50 Hz rated value  | 110 V                                |
|---|--------------------------------------|
| at AC at 50 Hz rated value      at AC at 60 Hz rated value  | 110 V<br>120 V                       |
| holding power at AC minimum   | 17.2 W                               |
| apparent pick-up power of magnet coil at AC   | 436 VA                               |
| apparent holding power of magnet coil at AC   | 50 VA                                |
| operating range factor control supply voltage rated value of magnet coil  | 0.85 1.1                             |
| percental drop-out voltage of magnet coil related to the input voltage  | 50 %                                 |
| ON-delay time   | 19 29 ms                             |
| OFF-delay time  | 10 24 ms                             |
| Overload relay  | 10 111 2 1 1110                      |
| product function  |                                      |
| overload protection   | Yes                                  |
| phase failure detection   | Yes                                  |
| asymmetry detection   | Yes                                  |
| ground fault detection  | Yes                                  |
| test function   | Yes                                  |
| external reset  | No                                   |
| reset function  | Manual, automatic and remote         |
|   | CLASS 5 / 10 / 20 (factory set) / 30 |
| trip class adjustable current response value current of overload  | OLAGO OT 10 / 20 (Idelioty Set) / 30 |
| relay   | 40 50 4                              |
| for low rotational speed     for high rotational speed  | 13 52 A                              |
| for high rotational speed  Attinuing time of the accidence and the accidence an | 13 52 A                              |
| tripping time at phase-loss 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 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                                |
| with multi-phase operation at AC rated value  | 300 V                                |
| Enclosure   |                                      |
| degree of protection NEMA rating  | Open device (no enclosure)           |
| 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   | 45 45 lbf·in                         |
| type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded  | 1x (14 2 AWG)                        |
| temperature of the conductor for supply maximum permissible   | 75 °C                                |
| material of the conductor for supply  | AL or CU                             |
| type of electrical connection for load-side outgoing feeder   | Box lug                              |
| tightening torque [lbf·in] for load-side outgoing feeder  | 45 45 lbf·in                         |
| type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi-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 coil at AWG cables single or multi-stranded                           | 2x (16 12 AWG)                                      |
|--|---|
| temperature of the conductor at magnet coil maximum permissible  | 75 °C   |
| material of the conductor at magnet coil   | CU  |
| type of electrical connection for auxiliary contacts   | Screw-type terminals                                |
| tightening torque [lbf·in] at contactor for auxiliary contacts   | 10 15 lbf·in  |
| type of connectable conductor cross-sections at contactor at AWG cables for auxiliary contacts single or multi-stranded      | 1x (12 AWG), 2x (16 14 AWG), 2x (18 16 AWG)         |
| temperature of the conductor at contactor for auxiliary contacts maximum permissible   | 75 °C   |
| material of the conductor at contactor for auxiliary contacts  | CU  |
| type of electrical connection at overload relay for auxiliary contacts   | Screw-type terminals                                |
| tightening torque [lbf·in] at overload relay for auxiliary contacts  | 7 10 lbf·in   |
| type of connectable conductor cross-sections at overload relay at AWG cables for auxiliary contacts single or multi-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,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:30FUFF32A2VF

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

https://support.industry.siemens.com/cs/US/en/ps/US2:30FUFF32A2VF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:30FUFF32A2VF&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:30FUFF32A2VF/certificate

last modified: 11/29/2021