## SIEMENS

## Data sheet

## US2:14DUE32FL



Non-reversing motor starter, Size 1, Three phase full voltage, Solid-state overload relay, OLR amp range 10-40A, 240V 50Hz / 277V 60Hz coil, Non-combination type, Enclosure type 4X fiberglass, Water/dust tight noncorrosive, Standard width enclosure

| product brand name   | Class 14                                 |
|--|--|
| design of the product  | Full-voltage non-reversing motor starter |
| special product feature  | ESP200 overload relay                    |
| General technical data   |  |
| weight [lb]  | 14 lb                                    |
| Height x Width x Depth [in]  | 15 × 12 × 7 in                           |
| touch protection against electrical shock                                  | (NA for enclosed products)               |
| installation altitude [ft] at height above sea level maximum               | 6560 ft                                  |
| ambient temperature [°F]   |  |
| <ul> <li>during storage</li> </ul>   | -22 +149 °F                              |
| during operation   | -4 +104 °F                               |
| ambient temperature  |  |
| <ul> <li>during storage</li> </ul>   | -30 +65 °C                               |
| during operation   | -20 +40 °C                               |
| country of origin  | USA                                      |
| Horsepower ratings   |  |
| yielded mechanical performance [hp] for 3-phase AC motor                   |  |
| <ul> <li>at 200/208 V rated value</li> </ul>                               | 7.5 hp                                   |
| <ul> <li>at 220/230 V rated value</li> </ul>                               | 7.5 hp                                   |
| • at 460/480 V rated value   | 0 hp                                     |
| • at 575/600 V rated value   | 0 hp                                     |
| Contactor  |  |
| size of contactor  | NEMA controller size 1                   |
| number of NO contacts for main contacts                                    | 3  |
| operating voltage for main current circuit at AC at 60 Hz<br>maximum       | 600 V                                    |
| operational current at AC at 600 V rated value                             | 27 A                                     |
| mechanical service life (switching cycles) of the main<br>contacts typical | 1000000                                  |
| 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   |  |
| type of voltage of the control supply voltage                              | AC                                       |
|  |  |

type of voltage of the control supply voltage control supply voltage

| • Al A at 60 Hz missi value         277 V           Indiag power of magnet coll at AC         249 VA           apparent holding power of magnet coll at AC         249 VA           apparent holding power of magnet coll at AC         259 VA           apparent holding power of magnet coll at AC         259 VA           apparent holding power of magnet coll at AC         259 VA           apparent holding power of magnet coll at AC         259 VA           procestal drop-out vohage of magnet coll related to the import volage         50 %.           OPF-doity time         10 24 ms           Overfaced relay         Yes           • overlaad protection         Yes           • estimation of the control optication         Yes           • estering reset         Yes           • estering reset         Yes           • estimation         Yes           • estering reset         Yes  |   | 04014  |
|---|---|--|
| India power at AC minimum         8.6 W           apparent poi-virg at AC minimum         8.6 W           apparent poi-virg power of magnet coll at AC         25 VA           Defaulting area         25 VA           OBE  | • at AC at 50 Hz rated value                                | 240 V  |
| apparent plackup power of magnet coil at AC         218 VA           apparent holding power of magnet coil at AC         25 VA           operating range factor corrols supply voltage rated value<br>of magnet coil         0.85 1.1           presental drop-out voltage of magnet coil related to the<br>imput voltage<br>OFF-delay time         10 24 ms           Overload protection         Yes           • everload protection         Yes           • apprint y delaction         Yes           • apprint y delaction         Yes           • apprint y delaction         Yes           • everload protection         Yes           • apprint y delaction         Yes           • everload protection         Yes           • everload protection         Yes           • everload protection         Yes           • everload relay         CLASS 5 / 10 / 20 (factory set) / 30           • adjustable current response value current of the current-<br>dependent overload relays         10 40 A           ripping time at phase-loss maximum         3 s           relative respect accuracy         1%           protects faving operation at AC rated value         5 A           • at C at 280 V         1 A           • at C at 280 V         1 A           • at C at 280 V         1 A <t< td=""><td></td><td></td></t<>   |   |  |
| apparent holding power of magnet coil at AC         25 VA           oprating range fool         0.85 1.1           oprating range fool         0.85 1.1           input voltage         0.85 1.1           OR-Glay time         19 28 ms           OFF-delay time         19 28 ms           Orectad ratay         10 24 ms           Overload protection         Yes           • overload protection         Yes           • approduct function         Yes           • overload protection         Yes           • symmetry detection         Yes           • external reset         Yes           • external reset         Yes           reset function         CLASS 5 / 10.2 (tectory set) / 30           digutable current response value current of the current-         10 40 A           tripping time at phase-loss maximum         3 s           relative repeat accuracy         19 40 A           product fastury protective cating on printed-circuit board         19           product fastury optoels/to cating on optimed-circuit board         14           relay         10   |   |  |
| operating range factor control supply voltage rated value<br>of magnet coll         0.85 1.1           percential drop-out voltage of magnet coll related to the<br>input voltage.         50 %           ON-delay time         19 24 ms           Overload relay         0           product function         Yes           • overload protection         Yes           • aground fault detection         Yes           • aground fault detection         Yes           • external reset         Yes           • external reset         Yes           • fig. class         CLASS 5 / 10 / 20 (factory set) / 30           • digutable corrent response value current of the current-<br>dependent overload release         CLASS 5 / 10 / 20 (factory set) / 30           • relative model accuracy         1 %         Yes           • reduct feature protective contacts of auxiliary contacts of overload         1           • relative repeat accuracy         1 %         Yes           • at CC at 260 V         1 A         SA           • at CC at 260 V         1 A         SA           • with multip phase operation at AC rated value         600 V         300 V           • with multip phase operation at AC rated value         600 V         300 V           • with multip phase operation at AC rated value         500 V <td><u> </u></td> <td></td>  | <u> </u>  |  |
| presential dop-out voltage of magnet col related to the<br>input voltage.     50 %.       ON-delay time     19 24 ms       Overfoad relay     input voltage.       product function     Yes       • overfoad relay     Yes       • overfoad related     Yes       • overfoad related     Yes       • external read     Yes       • external read     Yes       • external read     Yes       • overfoad relase     Input Yes       product feature overtex of the current-<br>dependent verde order relases maximum     3 s       relative reposed accuracy     1 %       product feature protective coating on printed-circuit board     1       relative reposed accuracy     1 %       operational of auxiliary contacts of overload     1       operational of auxiliary contacts of overload relay     5 Å       • at C at 800 V     5 Å  | operating range factor control supply voltage rated value   |  |
| ON-delay time     19 29 ms       OVertoad raly     10 24 ms       Overtoad raly     10 24 ms       Overtoad raly     10 24 ms       Overtoad raly     Yes       • overtoad protection     Yes       • asymmetry detection     Yes       • external reset     Yes       • external reset     Yes       reset function     Yes       • external reset     Yes       ripping time of phase failure detection     Yes       • external reset     Yes       ripping time of phase failure detection     Yes       • external reset     Yes       ripping time of phase failure detection     Yes       • external reset     Yes       ripping time of phase failure ordetection     Yes       product feature protective coating on printed-circuit board     10 40 A       relative repeat accuracy     1%       product feature protective coating on printed-circuit board     1       relative repeat accuracy     1 %       product feature protective coating on printed-circuit board     1       relative repeat accuracy     1 A       orther rating of auxiliary contacts of overload relay     1       e at C at 260 V     1 A       insultation votage (U)     5A       • at C at 260 V     1 A  | percental drop-out voltage of magnet coil related to the    | 50 %   |
| OFF-deby time     10 24 ms       Overload relay     Product function       • overload protection     Yes       • phase fullure detection     Yes       • aymmetry detection     Yes       • argound fault detection     Yes       • external reset     Yes       • external reset     Yes       • external reset     Yes       • reset function     Yes       • reset function     Manual, automatic and remote       Tripping time at phase-loss maximum     3 s       reset function     3 s       reset function     3 s       reset function     3 s       relay     product feature protectic excating on printed-circuit board       1 mumber of NC contacts of auxiliary contacts of overload     1       relay     at AC at 600 V     1       • at CC at 250 V     1 A       contact rating of auxiliary contacts of overload relay     5A       • at CC at 250 V     1 A       contact rating of auxiliary contacts of overload relay     5A       • with multi-phase operation at AC rated value     600 V       • with multi-phase operation at AC rated value     500 V       Øred of protection NEMA rating     4X, fiber glass       degree of protection NEMA rating     5 C       Øred of protection NEMA rating     5 C </td <td></td> <td>10 20 ms</td>   |   | 10 20 ms                                     |
| Overload Function         Yes           product function         Yes           • approximative detection         Yes           • approximative detection         Yes           • approximative detection         Yes           • approximative detection         Yes           • external reset         Yes           • external reset         Yes           adjustable current response value current of the current-<br>dependent overload release         CLASS 5/ 10 / 20 (factory set) / 30           adjustable current response value current of the current-<br>dependent overload release         1 %.           product feature protective coating on printed-circuit board<br>relative repeat accurrent of auxiliary contacts of overload relay         3 s           ornited rolates         1 %.           product feature protective coating on printed-circuit board<br>relay         1           ornited rolates of auxiliary contacts of overload relay<br>ecording to U.         5 A           ornited rating of auxiliary contacts of overload relay<br>ecording to U.         5 A           inticle relation voltage (U)         5 A           inticle relation of auxiliary contacts of overload relay<br>ecording to U.         5 A           inticle relation voltage (U)         5 A           inticle relation of auxiliary contacts of overload relay<br>ecording to U.         5 A           inticle relati  |   |  |
| product function     Yas       • overfload protection     Yas       • apsmethy detection     Yas       • aground fault detection     Yas       • aground fault detection     Yas       • aground fault detection     Yas       • external reset     Yas       reset function     Yas       thy class     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current     CLASS 5 / 10 / 20 (factory set) / 30       adjustable current response value current of the current     0 40 A       tripping time at phase-loss maximum     3 s       reset function     1 %       product feature protective coating on printed-circuit board     1       relay     1 %       product feature protective coating on printed-circuit board     1       relay     1 1       operational current of auxiliary contacts of overload relay     5 A       • at DC at 280 V     1 A       contact rating of auxiliary contacts of overload relay     5A       • with multi-phase operation at AC rated value     600 V       • with multi-phase operation at AC rated value     500 V       • with multi-phase operation at AC rated value     500 V       • with multi-phase operation at AC rated value     500 V       • with multing baselay contacts at ine-side     51 (fasteng at at a   |   | 10 24 113                                    |
| voverlad protection     ves     voverlad protection     ves     ves     ves     asymmetry detection     ves     asymmetry detection     ves     asymmetry detection     ves     v |   |  |
| Phase failure detection     Yes     asymmetry detection     Yes     aground tail detection     Yes     ground tail detection     Yes     resel function     Yes     resel     re | •   | Voc  |
| esymmetry detection     Yes     ground fault detection     Yes     external reset     external reset     external reset     ves     ves     external reset     Ves     ves     external reset     Ves     ves     external reset     Ves     ves     ves     external reset     Ves     Ves     ves     external reset     Ves     ves     external reset     Ves     Ves     ves     dependent overload release     10 40 A     ves     ves     ves     relative repeat-loss maximum     3 s     relative repeat-loss maximum     order of NC contacts of auxiliary contacts of overload     1     rumber of NC contacts of auxiliary contacts of overload     relay     vertical testing reserver     ves     ves    |   |  |
| • eround fault detection     Yes       • test function     Yes       reset function     Manual, automatic and remote       thp class     CLASS 57 10 / 20 (factory set) / 30       adjustable current response value current of the current-     10 40 A       dippedint on eventaar freeses     10 40 A       tripping time at phase-loss maximum     3 s       relative repeat accuracy     1%       product feature protective coating on printed-circuit baard     1       number of NC contacts of auxiliary contacts of overload     1       operational current of auxiliary contacts of overload relay     5 A       • at DC at 280 V     5 A       • at DC at 280 V     5 A       • at DC at 280 V     5 A       • with single-phase operation at AC rated value     600 V       • with single-phase operation at AC rated value     600 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at AC rated value     500 V       • with single-phase operation at A  | •   |  |
| test function         Yes         external reset         Yes         external         externat         externat         externat         externat         exte |   |  |
| • external reset         Yes           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         10 40 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<br>relay         1           • at DC at 260 V         5 A           • with single-phase operation at AC rated value         600 V           • with multi-phase operation at AC rated value         300 V           Enclosure         4X, fiber glass           design of the housing         Dust-tight, watertight & corrosion resistant           Mounting/wring         Surface mounting and installation           type of electrical connection for supply voltage line-side         35 urface           if ythening torque [lbf-in] for supply         35 urface           type of ele  | 0   |  |
| reset function       Manual, automatic and remote         trip class       CLASS 57 10 / 20 (factory set) / 30         adjustable current response value current of the current-<br>dependent overload release       10 40 A         tripping time a phase-loss maximum       3 s         relative repeat accuracy       1 %         product feature pretective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A@@00VAC (B600), 1A@250VDC (R300)         according to UL       5A@@00VAC (B600), 1A@250VDC (R300)         insulation voltage (UI)       • with multi-phase operation at AC rated value         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         featogen       Dust-light, waterlight & corrosion resistant         Mounting/wiring       5         mounting position       Vertical         Surface mounting and installation       Surface mounting and installation         Surface mounting and installation       Surface mounting and installation         Surface mon   |   |  |
| trip class       CLASS 5 / 10 / 20 (factory set) / 30         adjustble current response value current of the current-<br>dependent overload release       10 40 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       1         relay       1         operational current of auxiliary contacts of overload relay       1         e at AC at 600 V       5 A         e at AC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5A@@600VAC (B600), 1A@250VDC (R300)         according to UL       insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         Geign of the housing       Dust-light, watertight & corrosion resistant         Mounting/wining       Surface mounting and installation         Mype of electrical connection for supply voltage line-side       Screw-type terminals         type of electrical connection for load-side outgoing feeder       35 35 lbf in         type of connectable conductor for load-side outgoing feeder       35 35 lbf in         type of electrical connection for load-side outgoing feeder       35 35 lbf in         type  |   |  |
| adjustable current response value current of the current-<br>dependent overload release       10 40 A         tripping time at phase-loss maximum       3 s         relative repeat accuracy       1%         product feature protective coating on printed-circuit board<br>relay       1%         operational current of auxiliary contacts of overload<br>relay       1         operational current of auxiliary contacts of overload relay<br>eaccording to UL       5 A         ontact stop of auxiliary contacts of overload relay<br>according to UL       5 A         insultation voitage (UI)       5 A         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       55 m 35 librin         type of electrical connection for supply maximum<br>permissible       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder   |   |  |
| despendent overload release       3 s         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       1         relative repeat accuracy       1         operational current of auxiliary contacts of overload       1         eat DC at 250 V       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         insulation voltage (U)       600 V         • with multi-phase operation at AC rated value       600 V         ewith multi-phase operation at AC rated value       300 V         Enclosure       Gegree of protection NEMA rating         degree of protection NEMA rating       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         type of electrical connection for supply naximum       75 °C         preatibile or multi-stranded       35  | •   |  |
| relative repeat accuracy       1 %         product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         unber of NO contacts of auxiliary contacts of overload       1         operational current of auxiliary contacts of overload relay       5 A         • at AC at 600 V       5 A         insulation voltage (Ui)       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       500 V         • mounting position       Vertical         mounting position       Vertical         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       11(14 - 2 AWC)         at AWC atoles single or multi-stranded       12(14 - 2 AWC)         at AWC atoles single or multi-stranded  | dependent overload release                                  |  |
| product feature protective coating on printed-circuit board       Yes         number of NC contacts of auxiliary contacts of overload       1         relay       1         number of NC contacts of auxiliary contacts of overload       1         operational current of auxiliary contacts of overload relay       5.A         • at DC at 250 V       1A         contact rating of auxiliary contacts of overload relay       5.A         insultation voltage (UI)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V         enclosure       600 V         degree of protection NEMA rating       2X, fiber glass         mounting position       Vertical         fastening method       Surface mounting and installation         type of connectain for supply voltage line-side       Strew-type terminals         tightening torque [Ibrin] for supply       35 35 Ibrin         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       35 35 Ibrin         type of electrical connectain for load-side outgoing feeder       75 °C         type of electrical connectain for load-side outgoing feeder       75 °C         type of electrical connectain for load-side outgoing feeder   |   |  |
| number of NC contacts of auxiliary contacts of overload<br>relay       1         number of NC contacts of auxiliary contacts of overload<br>relay       1         operational current of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay<br>according to UL       5A         insulation voltage (UI)       • with single-phase operation at AC rated value         ewith multi-phase operation at AC rated value       600 V         edegree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [Ibf-in] for supply       35 35 Ibf-in         type of electrical connector for supply maximum<br>permissible       75 °C         material of the conductor for supply maximum<br>permissible       Screw-type terminals         tightening torque [Ibf-in] for load-side outgoing feeder       Screw-type terminals         tightening torque [Ibf-in] for load-side outgoing feeder       Screw-type terminals         tightening torque [Ibf-in] for load-side outgoing feeder       Screw-type terminals   | · · · · · · · · · · · · · · · · · · ·                       |  |
| relay       1         number of NO contacts of auxiliary contacts of overload relay       1         operational current of auxiliary contacts of overload relay       1         • 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       5 A         insultation voltage (UI)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       800 V         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, waterlight & corrosion resistant         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [Ibf-In] for supply       35 35 IbF-In         type of electrical connection for supply maximum permissible       75 °C         material of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       35 35 IbF-In         type of connectable conductor for load-side outgoing feeder       35 35 IbF-In     <   |   |  |
| relay         operational current of auxiliary contacts of overload relay         • at AC at 600 V         • at DC at 250 V         1 A         contact rating of auxiliary contacts of overload relay         according to UL         insulation voltage (Ui)         • with single-phase operation at AC rated value         600 V         • with mult-phase operation at AC rated value         degree of protection NEMA rating         degree of protection NEMA rating         Dust-light, watertight & corrosion resistant         Mounting/wiring         mounting position         Yertical         fastening method         type of electrical connection for supply voltage line-side         tightening torque [IbF in] for supply         Vype of connectable conductor cross-sections at line-side         twy of electrical connection for supply maximum         permissible         material of the conductor for supply maximum         per electrical connection for load-side outgoing feeder         tightening torque [IbF in] for load-side outgoing feeder         tightening torq   | relay   |  |
| • at AC at 600 V       5 A         • at DC at 250 V       1 A         contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       • with single-phase operation at AC rated value       600 V         • with single-phase operation at AC rated value       600 V       300 V         Enclosure       • with multi-phase operation at AC rated value       600 V         degree of protection NEMA rating       4X, fiber glass       00 V         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position       Vertical         fastening method       Surface mounting and installation       type of electrical connection for supply voltage line-side         tightening torgue [Ubi-In] for supply       35   |   | 1  |
| • 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 (U)       • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       600 V         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         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       35 35 lbf-in         type of electrical connection for supply maximum       75 °C         material of the conductor for supply       AL or CU         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       35 35 lbf-in         type of electrical connection for load-side outgoing feeder       75 °C         temperature of the conductor for load-side outgoing feeder       75 °C   |   |  |
| contact rating of auxiliary contacts of overload relay according to UL       5A@600VAC (B600), 1A@250VDC (R300)         insulation voltage (Ui)       600 V         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       600 V         expression of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         Vertical       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       35 35 lbf in         type of connectable conductor for supply maximum permissible       75 °C         material of the conductor for supply maximum       75 °C         type of connectable conductor for supply       AL or CU         type of connectable conductor for supply       AL or CU         type of connectable conductor for supply       1x(14 - 2 AWG)         atsraded       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       516/in         type of connectable conductor for supply       AL or CU         type of connectable conductor for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       50 °C         tigh  |   |  |
| according to UL       insulation voltage (Ui)         • with single-phase operation at AC rated value       600 V         • with multi-phase operation at AC rated value       300 V         Enclosure       300 V         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       35 35 lbf-in         lype of connectable conductor cross-sections at line-side       1x(14 - 2 AWG)         at AWG cables single or multi-stranded       Screw-type terminals         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         maximum permissible       75 °C         maximum permissible       75 °C         maximum permissible       75 °C   |   |  |
| with single-phase operation at AC rated value     with multi-phase operation at AC rated value     300 V      Fnclosure      degree of protection NEMA rating     design of the housing     Dust-tight, watertight & corrosion resistant      Mounting/wiring     mounting position     fastening method     Surface mounting and installation     type of electrical connection for supply voltage line-side     tightening torque [lbf-in] for supply     at AVG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     matrial of the conductor for load-side outgoing feeder     tightening torque [lbf-in] for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     maximum permissible     material of the conductor for load-side outgoing feeder     type of electrical connection of magnet coil     type of connectable conductor cores-sections of magnet         2x (16 - 12 AWG)  | according to UL   | 5A@600VAC (B600), 1A@250VDC (R300)           |
| with multi-phase operation at AC rated value 300 V      Enclosure      degree of protection NEMA rating 4X, fiber glass     design of the housing Dust-tight, watertight & corrosion resistant      Mounting/wiring      mounting position     fastening method     Surface mounting and installation     type of electrical connection for supply voltage line-side     at AWG cables single or multi-stranded     temperature of the conductor for supply maximum     permissible     matrial of the conductor for load-side outgoing feeder     type of electrical connectable conductor for load-side outgoing feeder     type of electrical connector for load-side outgoing feeder     type of connectable conductor for load-side outgoing feeder     maximum permissible     material of the conductor for load-side outgoing feeder     type of electrical connection of magnet coil      |   |  |
| Enclosure         degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         restering method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       35 35 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       AL or CU         type of electrical connection for load-side outgoing feeder       35 35 lbf-in         tightening torque [lbf-in] for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor rors-sections at AWG       cables for load-side outgoing feeder         tightening torque [lbf-in] for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         ma  |   |  |
| degree of protection NEMA rating       4X, fiber glass         design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       mounting position         fastening method       Surface mounting and installation         type of electrical connection for supply voltage line-side       Screw-type terminals         tightening torque [lbf-in] for supply       35 35 lbf-in         type of connectable conductor cross-sections at line-side       1x(14 - 2 AWG)         at AWG cables single or multi-stranded       Tx (14 - 2 AWG)         temperature of the conductor for supply maximum permissible       75 °C         material of the conductor ross-sections at AWG cables for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor ross-sections at AWG cables for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       35 35 lbf-in         type of connectable conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor for load-side outgoing feeder       75 °C         material of the conductor  | <u> </u>  | 300 V  |
| design of the housing       Dust-tight, watertight & corrosion resistant         Mounting/wiring       Provide the tight of the tight of tight o   |   |  |
| 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       35 35 lbf·in         type of connectable conductor cross-sections at line-side<br>at AWG cables single or multi-stranded       1x(14 - 2 AWG)         temperature of the conductor for supply maximum<br>permissible       75 °C         material of the conductor for load-side outgoing feeder       Screw-type terminals         tightening torque [lbf·in] for load-side outgoing feeder       35 35 lbf·in         type of connectable conductor for supply       AL or CU         type of connectable conductor for load-side outgoing feeder       35 35 lbf·in         tightening torque [lbf·in] for load-side outgoing feeder       35 35 lbf·in         type of connectable conductor for load-side outgoing feeder       1x(14 - 2 AWG)         temperature of the conductor for load-side outgoing feeder       75 °C         maximum permissible       75 °C         material of the conductor for load-side outgoing feeder       1x(14 - 2 AWG)         tightening torque [lbf·in] at magnet coil       5 12 lbf·in         tightening torque [lbf·in] at magnet coil       5 12 lbf·in         type of connectable conductor cross-  |   | -  |
| mounting positionVerticalfastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side<br>at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum<br>permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder35 35 lbf-intype of connectable conductor for supplyAL or CUtype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder35 35 lbf-intype of connectable conductor for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder75 °Ctype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-intype of electrical connection of magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)   | design of the housing                                       | Dust-tight, watertight & corrosion resistant |
| fastening methodSurface mounting and installationtype of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf-in] for supply35 35 lbf-intype of connectable conductor cross-sections at line-side<br>at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum<br>permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder35 35 lbf-intype of connectable conductor ross-sections at AWG<br>cables for load-side outgoing feeder35 35 lbf-intype of connectable conductor for supplyAL or CUtype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder35 35 lbf-intype of connectable conductor for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder75 °Ctemperature of the conductor for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)  | Mounting/wiring   |  |
| type of electrical connection for supply voltage line-sideScrew-type terminalstightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side<br>at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum<br>permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for supplyAL or CUtype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder35 35 lbf·intype of connectable conductor for load-side outgoing feeder1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf·in] at magnet coil5 12 lbf·intype of electrical connection of magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)  | mounting position   | Vertical                                     |
| tightening torque [lbf·in] for supply35 35 lbf·intype of connectable conductor cross-sections at line-side<br>at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum<br>permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>athranded35 35 lbf·intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder<br>maximum permissible1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>screw-type terminals75 °Cmaterial of the conductor for load-side outgoing feeder<br>material of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coil<br>tightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet<br>tightening torque [lbf·in] at magnet coil5 12 lbf·in   | fastening method  | Surface mounting and installation            |
| type of connectable conductor cross-sections at line-side<br>at AWG cables single or multi-stranded1x(14 - 2 AWG)temperature of the conductor for supply maximum<br>permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feeder<br>tightening torque [lbf-in] for load-side outgoing feederScrew-type terminalstype of connectable conductor for load-side outgoing feeder<br>temperature of the conductor for load-side outgoing feeder1x(14 - 2 AWG)type of connectable conductor for supplyAL or CUtype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>material of the conductor for load-side outgoing feeder<br>material of the conductor for load-side outgoing feeder<br>material of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coilAL or CUtype of connectable conductor cross-sections of magnet<br>tightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet<br>type of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)   | type of electrical connection for supply voltage line-side  | Screw-type terminals                         |
| at AWG cables single or multi-stranded75 °Ctemperature of the conductor for supply maximum<br>permissible75 °Cmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>material of the conductor for load-side outgoing feeder75 °Cmaterial of the conductor for load-side outgoing feeder<br>material of the conductor for load-side outgoing feederAL or CUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)   | tightening torque [lbf·in] for supply                       | 35 35 lbf·in                                 |
| permissibleAL or CUmaterial of the conductor for supplyAL or CUtype of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf-in] for load-side outgoing feeder35 35 lbf-intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coilAL or CUtype of electrical connection of magnet coilscrew-type terminalstightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)  |   | 1x(14 - 2 AWG)                               |
| type of electrical connection for load-side outgoing feederScrew-type terminalstightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coilAL or CUtightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)   |   | 75 °C  |
| tightening torque [lbf·in] for load-side outgoing feeder35 35 lbf·intype of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coilAL or CUtightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)  | material of the conductor for supply                        | AL or CU                                     |
| type of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coilAL or CUtightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)  | type of electrical connection for load-side outgoing feeder | Screw-type terminals                         |
| type of connectable conductor cross-sections at AWG<br>cables for load-side outgoing feeder single or multi-<br>stranded1x(14 - 2 AWG)temperature of the conductor for load-side outgoing feeder<br>maximum permissible75 °Cmaterial of the conductor for load-side outgoing feeder<br>type of electrical connection of magnet coilAL or CUtightening torque [lbf-in] at magnet coil5 12 lbf-intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)  | tightening torque [lbf·in] for load-side outgoing feeder    | 35 35 lbf·in                                 |
| maximum permissible       AL or CU         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       2 x (16 - 12 AWG)  | cables for load-side outgoing feeder single or multi-       | 1x(14 - 2 AWG)                               |
| 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       2 x (16 - 12 AWG)   |   | 75 °C  |
| tightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)   | material of the conductor for load-side outgoing feeder     | AL or CU                                     |
| tightening torque [lbf·in] at magnet coil5 12 lbf·intype of connectable conductor cross-sections of magnet2 x (16 - 12 AWG)   |   | screw-type terminals                         |
|   |   | 5 12 lbf·in                                  |
| coil at AWG cables single or multi-stranded   |   | 2 x (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<br>at AWG cables for auxiliary contacts single or multi-<br>stranded      | 1 x (12 AWG), 2 x (16 - 14 AWG), 2 x (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 | 2 x (20 - 14 AWG)                                   |
| temperature of the conductor at overload relay for auxiliary contacts maximum permissible   | 75 °C   |
| material of the conductor at overload relay for auxiliary contacts  | CU  |
| Short-circuit current rating  |   |
| design of the fuse link for short-circuit protection of the<br>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   |   |
| Inductry Mall (Online ordering system)  |   |

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:14DUE32FL

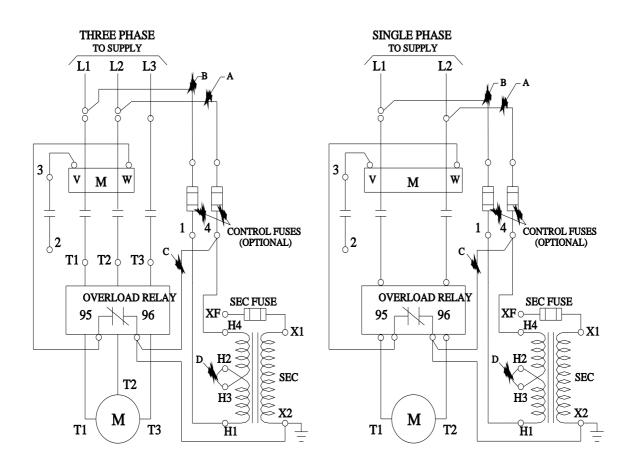
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUE32FL

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=US2:14DUE32FL&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:14DUE32FL/certificate



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