## **SIEMENS**

## Data sheet

## 3RT2336-1AN20



4NO CONTACTOR,AC1:60A 220V AC 50/60HZ, 4-POLE, 4NO, SIZE S2, SCREW TERMINAL 1NO+1NC INTEGRATED

| Figure similar   |    |                |  |
|--|----|----------------|--|
| product brand name   |    | SIRIUS         |  |
| Product designation  |    | 3RT2 contactor |  |
| General technical data:  |    |                |  |
| Insulation voltage   |    |                |  |
| Rated value  | V  | 690            |  |
| Degree of pollution  |    | 3              |  |
| Surge voltage resistance Rated value                             | kV | 6              |  |
| Mechanical service life (switching cycles)                       |    |                |  |
| <ul> <li>of the contactor typical</li> </ul>                     |    | 10 000 000     |  |
| <ul> <li>of the contactor with added electronics-</li> </ul>     |    | 5 000 000      |  |
| compatible auxiliary switch block typical                        |    |                |  |
| <ul> <li>of the contactor with added auxiliary switch</li> </ul> |    | 10 000 000     |  |
| block typical  |    |                |  |
| Protection class IP  |    |                |  |
| • on the front   |    | IP20           |  |
| <ul> <li>of the terminal</li> </ul>                              |    | IP00           |  |
| Equipment marking  |    |                |  |
| • acc. to DIN EN 61346-2   |    | Q              |  |
| • acc. to DIN EN 81346-2   |    | Q              |  |
| Main circuit:  |    |                |  |
| Number of poles for main current circuit                         |    | 4              |  |
| Number of NC contacts for main contacts                          |    | 0              |  |
| Number of NO contacts for main contacts                          |    | 4              |  |
| Operating voltage  |    |                |  |
| <ul> <li>at AC-3 Rated value maximum</li> </ul>                  | V  | 690            |  |

| Operating current   | - |      |
|---|---|------|
| • at AC-1   |   |      |
| — at 400 V at ambient temperature 40 °C<br>Rated value    | А | 60   |
| — up to 690 V at ambient temperature 40 °C                | А | 60   |
| Rated value   |   |      |
| — up to 690 V at ambient temperature 60 °C<br>Rated value | A | 55   |
| Operating current with 1 current path                     |   |      |
| ● at DC-1   |   |      |
| — at 24 V Rated value                                     | А | 55   |
| — at 110 V Rated value                                    | А | 4.5  |
| — at 220 V Rated value                                    | А | 1    |
| — at 440 V Rated value                                    | А | 0.4  |
| ● at DC-3 at DC-5   |   |      |
| — at 24 V Rated value                                     | А | 20   |
| — at 110 V Rated value                                    | А | 2.5  |
| — at 220 V Rated value                                    | А | 1    |
| — at 440 V Rated value                                    | А | 0.1  |
| Operating current with 2 current paths in series          | - |      |
| ● at DC-1   |   |      |
| — at 24 V Rated value                                     | А | 55   |
| — at 110 V Rated value                                    | А | 45   |
| — at 220 V Rated value                                    | А | 5    |
| — at 440 V Rated value                                    | А | 1    |
| • at DC-3 at DC-5   |   |      |
| — at 110 V Rated value                                    | А | 25   |
| — at 220 V Rated value                                    | А | 5    |
| — at 24 V Rated value                                     | А | 55   |
| — at 440 V Rated value                                    | А | 0.27 |
| Operating current with 3 current paths in series          |   |      |
| ● at DC-1   |   |      |
| — at 24 V Rated value                                     | А | 55   |
| — at 110 V Rated value                                    | А | 45   |
| — at 220 V Rated value                                    | А | 45   |
| — at 440 V Rated value                                    | А | 2.9  |
| • at DC-3 at DC-5   |   |      |
| — at 110 V Rated value                                    | А | 45   |
| — at 220 V Rated value                                    | А | 25   |
| — at 24 V Rated value                                     | А | 55   |
| — at 440 V Rated value                                    | А | 0.6  |

|   | 1.1.0./                         | 20   |
|---|---------------------------------|--|
| • at AC-1 at 400 V Rated value  | kW                              | 39   |
| Operating power   |                                 |  |
| • at AC-1   | 1.2.07                          | 04   |
| — at 230 V at 60 °C Rated value   | kW                              | 21   |
| — at 230 V Rated value  | kW                              | 23   |
| — at 400 V at 60 °C Rated value   | kW                              | 36   |
| — at 690 V at 60 °C Rated value   | kW                              | 62   |
| — at 690 V Rated value  | kW                              | 68   |
| Operating frequency   |                                 |  |
| • at AC-3 maximum   | 1/h                             | 500  |
| Control circuit/ Control:   |                                 |  |
| Type of voltage of the control supply voltage   | _                               | AC   |
| Control supply voltage with AC  | _                               |  |
| • at 50 Hz Rated value  | V                               | 220  |
| • at 60 Hz Rated value  | V                               | 220  |
| Operating range factor control supply voltage rated   | _                               |  |
| value of the magnet coil with AC  |                                 |  |
| ● at 50 Hz  |                                 | 0.8 1.1                                      |
| • at 60 Hz  |                                 | 0.85 1.1                                     |
| Auxiliary circuit:  |                                 |  |
| Number of NC contacts   |                                 |  |
| <ul> <li>for auxiliary contacts</li> </ul>  |                                 |  |
| — instantaneous contact   |                                 | 1  |
| Number of NO contacts   | -                               |  |
| <ul> <li>for auxiliary contacts</li> </ul>  |                                 |  |
| — instantaneous contact   |                                 | 1  |
| Product expansion Auxiliary switch  | _                               |  |
|   |                                 | Yes  |
| Operating current at AC-15  |                                 | Yes  |
| · · · · · · · · · · · · · · · · · · ·   | A                               | Yes<br>10                                    |
| Operating current at AC-15  | A                               |  |
| • at 230 V Rated value  |                                 | 10   |
| Operating current at AC-15 <ul> <li>at 230 V Rated value</li> <li>at 400 V Rated value</li> </ul>   | А                               | 10<br>3                                      |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value  | А                               | 10<br>3                                      |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current   | A<br>A                          | 10<br>3<br>1                                 |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value  | A<br>A<br>A                     | 10<br>3<br>1<br>2                            |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value<br>• at DC-12 at 220 V Rated value   | A<br>A<br>A                     | 10<br>3<br>1<br>2<br>1                       |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value<br>• at DC-12 at 220 V Rated value<br>• at DC-12 at 600 V Rated value  | A<br>A<br>A<br>A<br>A           | 10<br>3<br>1<br>2<br>1<br>0.15               |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value<br>• at DC-12 at 220 V Rated value<br>• at DC-12 at 600 V Rated value<br>• at DC-13 at 125 V Rated value   | A<br>A<br>A<br>A<br>A           | 10<br>3<br>1<br>2<br>1<br>0.15<br>0.9        |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value<br>• at DC-12 at 220 V Rated value<br>• at DC-12 at 600 V Rated value<br>• at DC-13 at 125 V Rated value<br>• at DC-13 at 220 V Rated value  | A<br>A<br>A<br>A<br>A<br>A<br>A | 10<br>3<br>1<br>2<br>1<br>0.15<br>0.9<br>0.3 |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value<br>• at DC-12 at 220 V Rated value<br>• at DC-12 at 600 V Rated value<br>• at DC-13 at 125 V Rated value<br>• at DC-13 at 220 V Rated value<br>• at DC-13 at 220 V Rated value<br>• at DC-13 at 600 V Rated value                                    | A<br>A<br>A<br>A<br>A<br>A<br>A | 10<br>3<br>1<br>2<br>1<br>0.15<br>0.9<br>0.3 |
| Operating current at AC-15<br>• at 230 V Rated value<br>• at 400 V Rated value<br>• at 690 V Rated value<br>Operating current<br>• at DC-12 at 125 V Rated value<br>• at DC-12 at 220 V Rated value<br>• at DC-12 at 600 V Rated value<br>• at DC-13 at 125 V Rated value<br>• at DC-13 at 220 V Rated value<br>• at DC-13 at 220 V Rated value<br>• at DC-13 at 600 V Rated value<br>• at DC-13 at 600 V Rated value | A<br>A<br>A<br>A<br>A<br>A<br>A | 10<br>3<br>1<br>2<br>1<br>0.15<br>0.9<br>0.3 |

| - et 110 V Rated value     A     3       • at DC-13     -     -       - et 24 V Rated value     A     10       - at 80 V Rated value     A     2       - at 110 V Rated value     A     1       Contact reliability of the auxiliary contacts     I faulty switching per 100 million (17 V, 1 mA)       UCSA ratings:     Full-load current (FLA) for three-phase AC motor     1       • at 600 V Rated value     A     17       yielded mechanical performance [hp]     • for three-phase AC motor at 200/208 V Rated hp     metric       • for three-phase AC motor at 200/208 V Rated value     hp     7.5       • for three-phase AC motor at 57:600 V Rated value     hp     15       • for three-phase AC motor at 57:600 V Rated value     hp     15       • for three-phase AC motor at 57:600 V Rated value     hp     15       • for three-phase AC motor at 57:600 V Rated value     hp     15       • for three-phase AC motor at 20/208 V Rated value     hp     15       • for three-phase AC motor at 57:600 V Rated value     A600 / P600     16       Short-circuit     Design of the fuse link     • for short-circuit protection of the auxiliary switch required     yL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       • for short-circuit protection of the auxiliary switch required     *-180° rotation possible on vertical mounting surface   |  |        |   |
|---|--|--------|---|
| - at 24 V Rated value     A     10       - at 60 V Rated value     A     2       - at 110 V Rated value     A     1       Contact reliability of the auxiliary contacts     I faulty switching per 100 million (17 V, 1 mA)       IV/CSA reliance     I       Full-bad current (FLA) for three-phase AC motor     A     17       • at 600 V Rated value     A     17       vield mechanical performance (tp)     metric     5       • for three-phase AC motor at 220/230 V Rated value     metric     7.5       • for three-phase AC motor at 220/230 V Rated value     metric     15       • for three-phase AC motor at 220/230 V Rated value     metric     15       • for three-phase AC motor at 575/600 V Rated value     metric     15       • for three-phase AC motor at 575/600 V Rated value     metric     15       • for short-circuit protection of the main circuit     - with type of assignment 1 required value     gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       • for short-circuit protection of the auxiliary switch required     - with type of assignment 1 required value     gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       • for short-circuit protection of the auxiliary switch required     - with type of assignment 2 required     scr6w and snap-on mounting surface       • for short-circuit protection of the auxiliary switch required     - 113 A     full S -       • Side   | — at 110 V Rated value   | A      | 3   |
|   | • at DC-13   |        |   |
|   | — at 24 V Rated value  | А      | 10  |
| Contact reliability of the auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         U/CSA ratings:       Full-load current (FLA) for three-phase AC motor       A         • at 600 V Rated value       A       17         yielded mechanical performance (hp)       • for three-phase AC motor at 220/208 V Rated value       A       17         • for three-phase AC motor at 220/208 V Rated value       metric       5       hp         • for three-phase AC motor at 220/208 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         outrout       A 600 / P600       Short-circuit       A600 / P600         Short-circuit protection of the main circuit         - with type of assignment 1 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A         - with type of assignment 2 required       fuse gL/gG: 10 A         fuse gL/gG: 10 A       fuse gL/gG: 10 A         resultator/ mounting value       screw and snap-on mounting outpace         Side-by-side mounting       screw and snap-on mounting onto 35 mm standard mounting surface:         Nouting type       screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022         • Side-by-side mounting  | — at 60 V Rated value  | А      | 2   |
| UL/CSA ratings:         Full-Cad current (FLA) for three-phase AC motor         • at 600 V Rated value       A         17         yielded mechanical performance (hp)         • for three-phase AC motor at 200/208 V Rated value       metric         > for three-phase AC motor at 200/208 V Rated value       metric         • for three-phase AC motor at 220/230 V Rated value       metric         • for three-phase AC motor at 575/600 V Rated value       metric         • for three-phase AC motor at 575/600 V Rated value       metric         • for three-phase AC motor at 575/600 V Rated value       metric         • for three-phase AC motor at 575/600 V Rated value       metric         • for three-phase AC motor at 575/600 V Rated value       metric         • for short-circuit protection of the main circuit       –         - with type of assignment 1 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         Installation/ mounting/ dimensions:       +/-180* rotation possible on vertical mounting surface: can be titled forward and backward by +/-22.5* on vertical mounting surface: can be titled forward and backward by +/-22.5* on vertical mounting surface: can be titled forward and backward by +/-22.5* on vertical mounting surface         • Side-by-side mounting       Yes         Height       mm <td>— at 110 V Rated value</td> <td>А</td> <td>1</td>  | — at 110 V Rated value   | А      | 1   |
| Full-load current (FLA) for three-phase AC motor       A       17         • at 600 V Rated value       A       17         • yielded mechanical performance [hp]       metric       5         • for three-phase AC motor at 200/208 V Rated value       metric       5         • for three-phase AC motor at 220/230 V Rated value       metric       7.5         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for short-circuit protection of the main circuit   | Contact reliability of the auxiliary contacts                        | -      | 1 faulty switching per 100 million (17 V, 1 mA) |
| Full-load current (FLA) for three-phase AC motor       A       17         • at 600 V Rated value       A       17         • yielded mechanical performance [hp]       metric       5         • for three-phase AC motor at 200/208 V Rated value       metric       5         • for three-phase AC motor at 220/230 V Rated value       metric       7.5         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for short-circuit protection of the main circuit   | LIL/CSA ratings:   | _      |   |
| • at 600 V Rated value       A       17         yielded mechanical performance [hp]       metric       5         • for three-phase AC motor at 220/230 V Rated value       metric       5         • for three-phase AC motor at 220/230 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for three-phase AC motor at 575/600 V Rated value       metric       15         • for short-circuit protection of the auxiliary contacts acc. to UL       A 600 / P600         Short-circuit       Design of the fuse link       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A         • for short-circuit protection of the auxiliary switch required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A         • for short-circuit protection of the auxiliary switch required       #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting outing surface;         Mounting type       mm 113.4         Width       mm 75         Depth       mm 0         • with side-by-side mounting       mm 0 <td></td> <td>-</td> <td></td>  |  | -      |   |
| yielded mechanical performance [hp]       metric       5         • for three-phase AC motor at 220/230 V Rated       metric       7.5         value       hp       netric       7.5         • for three-phase AC motor at 575/600 V Rated       metric       15         value       hp       netric       15         • for three-phase AC motor at 575/600 V Rated       metric       15         value       np       netric       15         Contact rating of the auxiliary contacts acc. to UL       A600 / P600       Short-circuit         Design of the fuse link       -       if or short-circuit protection of the main circuit       -         - with type of assignment 1 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       15         - with type of assignment 2 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       15         required       -       screw and snap-on mounting surface       22.5' on vertical mounting surface         Mounting position       +/-180° rotation possible on vertical mounting surface       22.5' on vertical mounting surface         • Side-by-side mounting       Yes       Yes       Yes         Height       mm       13.4       With       130         Required spacing       with side-by-side mounting       mm <td< td=""><td></td><td>А</td><td>17</td></td<>  |  | А      | 17  |
| • for three-phase AC motor at 200/208 V Rated value       metric hp       5         • for three-phase AC motor at 220/230 V Rated value       metric hp       7.5         • for three-phase AC motor at 575/600 V Rated value       metric hp       15         • for three-phase AC motor at 575/600 V Rated value       metric hp       15         Contact rating of the auxiliary contacts acc. to UL       A600 / P600       A600 / P600         Short-circuit   |  | -      |   |
| value     hp       • for three-phase AC motor at 220/230 V Rated<br>value     hp       • for three-phase AC motor at 575/600 V Rated<br>value     metric<br>hp       • for three-phase AC motor at 575/600 V Rated<br>value     metric<br>hp       • Contact rating of the auxiliary contacts acc. to UL     A600 / P600       Short-circuit     A600 / P600       Design of the fuse link     if       • for short-circuit protection of the main circuit<br>with type of assignment 2 required     gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       • for short-circuit protection of the auxiliary switch<br>required     fuse gL/gG: 10 A       Installation/ mounting/ dimensions:     +/-180° rotation possible on vertical mounting<br>surface; can be tilted forward and backward by +/-<br>22.5° on vertical mounting surface       • Side-by-side mounting     Yes       Height     mm     113.4       Width     mm     75       Depth     mm     130       Required spacing     mm     0       • with side-by-side mounting     mm     0       • Backwards     mm     0       • at the side     mm     0   |  | metric | 5   |
| value     hp       • for three-phase AC motor at 575/600 V Rated<br>value     metric<br>hp     15       • Contact rating of the auxiliary contacts acc. to UL     A600 / P600       Short-circuit:  | -  |        | ·   |
| valuehp<br>metric<br>hp• for three-phase AC motor at 575/600 V Rated<br>valuemetric<br>hp15Contact rating of the auxiliary contacts acc. to ULA600 / P600Short-circuitA600 / P600Short-circuit protection of the main circuit<br>- with type of assignment 1 requiredgL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A<br>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A<br>  | <ul> <li>for three-phase AC motor at 220/230 V Rated</li> </ul>      | metric | 7.5   |
| value     hp       Contact rating of the auxiliary contacts acc. to UL     A600 / P600       Short-circuit     Design of the fuse link       • for short-circuit protection of the main circuit     gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A       - with type of assignment 1 required     gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A       • for short-circuit protection of the auxiliary switch required     fuse gL/gC: 10 A       Installation/ mounting/ dimensions:     */-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting outface       Mounting type     screw and snap-on mounting oto 35 mm standard mounting rail according to DIN EN 50022       • Side-by-side mounting     Yes       Height     mm     113.4       Width     mm     75       Depth     mm     130       Required spacing     mm     0       • with side-by-side mounting     mm     0       - nupwards     mm     0       - a the side     mm     0   | -  | hp     |   |
| Contact rating of the auxiliary contacts acc. to UL       A600 / P600         Short-circuit:       Design of the fuse link       Image: Contact protection of the main circuit         - with type of assignment 1 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A         - with type of assignment 2 required       gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 180 A         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         Installation/ mounting/ dimensions:       #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface         Mounting type       screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022         • Side-by-side mounting       mm       113.4         Width       mm       75         Depth       mm       0         - forwards       mm       0         - gackwards       mm       0         - downwards       mm       0         - downwards       mm       0   | <ul> <li>for three-phase AC motor at 575/600 V Rated</li> </ul>      | metric | 15  |
| Short-circuit:         Design of the fuse link         - with type of assignment 1 required         - with type of assignment 2 required         - for short-circuit protection of the auxiliary switch required         of or short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions:         mounting position         +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface         Side-by-side mounting         Height       mm         Width       mm         Depth         Required spacing         • with side-by-side mounting         - forwards         - glavards   | value  | hp     |   |
| Design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of assignment 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A           Installation/ mounting/ dimensions:         fuse gL/gG: 10 A           mounting position         +/-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/-22.5° on vertical mounting surface           Mounting type         screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022           Yes         Yes           Height         mm         113.4           Width         mm         130           Required spacing         ovinth side-by-side mounting         ovintal screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022           Yes         Yes         Yes         Yes           Height         mm         130         Yes           oppth         mm         0         opptive screw and snap-on mounting           - forwards         mm         0         opptive screw and snap-on mounting           - forwards         mm         0         opptive screw and snap-on mounting           - forwards         mm         0         <   | Contact rating of the auxiliary contacts acc. to UL                  |        | A600 / P600                                     |
| Design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of assignment 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A           Installation/ mounting/ dimensions:         fuse gL/gG: 10 A           mounting position         +/-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/-22.5° on vertical mounting surface           Mounting type         screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022           Yes         Yes           Height         mm         113.4           Width         mm         130           Required spacing         ovinth side-by-side mounting         ovintal screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022           Yes         Yes         Yes         Yes           Height         mm         130         Yes           oppth         mm         0         opptive screw and snap-on mounting           - forwards         mm         0         opptive screw and snap-on mounting           - forwards         mm         0         opptive screw and snap-on mounting           - forwards         mm         0         <   | Short-circuit:   |        |   |
| with type of assignment 1 required<br>with type of assignment 2 requiredgL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A<br>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A<br>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A<br>fuse gL/gG: 10 AInstallation/ mounting/ dimensions:+/-180° rotation possible on vertical mounting<br>surface; can be tilted forward and backward by +/-<br>22.5° on vertical mounting onto 35 mm standard<br>mounting typeMounting typescrew and snap-on mounting onto 35 mm standard<br>mounting to DIN EN 50022• Side-by-side mountingmm113.4Widthmm75Depthmm130Required spacing<br>- forwardsmm0- Backwardsmm0- upwardsmm0- upwardsmm0- at the sidemm0  |  |        |   |
| with type of assignment 1 required<br>with type of assignment 2 requiredgL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A<br>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A<br>gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A<br>fuse gL/gG: 10 AInstallation/ mounting/ dimensions:+/-180° rotation possible on vertical mounting<br>surface; can be tilted forward and backward by +/-<br>22.5° on vertical mounting onto 35 mm standard<br>mounting typeMounting typescrew and snap-on mounting onto 35 mm standard<br>mounting to DIN EN 50022• Side-by-side mountingmm113.4Widthmm75Depthmm130Required spacing<br>- forwardsmm0- Backwardsmm0- upwardsmm0- upwardsmm0- at the sidemm0  | <ul> <li>for short-circuit protection of the main circuit</li> </ul> |        |   |
|   |  |        | gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A     |
| • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 A         Installation/ mounting/ dimensions:       #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface         Mounting type       screw and snap-on mounting on 035 mm standard mounting rail according to DIN EN 50022         • Side-by-side mounting       Yes         Height       mm       113.4         Width       mm       75         Depth       mm       130         Required spacing       -         • with side-by-side mounting       mm         - forwards       mm         - gackwards       mm         - upwards       mm         - downwards       mm         - at the side       mm  |  |        |   |
| required       Installation/ mounting/ dimensions:         mounting position       +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface         Mounting type       screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022         • Side-by-side mounting       Yes         Height       mm       113.4         Width       mm       75         Depth       mm       130         Required spacing       - forwards       mm         - forwards       mm       0         - upwards       mm       0         - downwards       mm       0         - at the side       mm       0   |  |        |   |
| mounting position+/-180° rotation possible on vertical mounting<br>surface; can be tilted forward and backward by +/-<br>22.5° on vertical mounting surfaceMounting typescrew and snap-on mounting onto 35 mm standard<br>mounting rail according to DIN EN 50022• Side-by-side mountingrmm113.4Widthmm75Depthmm130Required spacingmm0• with side-by-side mountingmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0   |  |        |   |
| mounting position+/-180° rotation possible on vertical mounting<br>surface; can be tilted forward and backward by +/-<br>22.5° on vertical mounting surfaceMounting typescrew and snap-on mounting onto 35 mm standard<br>mounting rail according to DIN EN 50022• Side-by-side mountingrmm113.4Widthmm75Depthmm130Required spacingmm0• with side-by-side mountingmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0   | Installation/mounting/dimensions:                                    | _      |   |
| Image: seriface is a surface; can be tilted forward and backward by +/-<br>22.5° on vertical mounting surfaceMounting typescrew and snap-on mounting onto 35 mm standard<br>mounting rail according to DIN EN 50022• Side-by-side mountingYesHeightmm113.4Widthmm75Depthmm130Required spacingmm0- forwardsmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0   |  | _      | +/-180° rotation possible on vertical mounting  |
| Mounting typescrew and snap-on mounting onto 35 mm standard<br>mounting rail according to DIN EN 50022• Side-by-side mountingYesHeightmm113.4Widthmm75Depthmm130Required spacing• with side-by-side mountingmm0- forwardsmm0- gackwardsmm0- qownwardsmm0- at the sidemm0  |  |        |   |
| • Side-by-side mountingmounting rail according to DIN EN 50022• Side-by-side mountingYesHeightmm113.4Widthmm75Depthmm130Required spacing-• with side-by-side mounting forwardsmm0- gackwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0   |  |        |   |
| • Side-by-side mountingYesHeightmm113.4Widthmm75Depthmm130Required spacing  | Mounting type  | _      | screw and snap-on mounting onto 35 mm standard  |
| Heightmm113.4Widthmm75Depthmm130Required spacing  |  |        | mounting rail according to DIN EN 50022         |
| Vidthmm75Depthmm130Required spacingr130• with side-by-side mountingr0- forwardsmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0  | <ul> <li>Side-by-side mounting</li> </ul>                            |        | Yes   |
| Depthmm130Required spacingmm130• with side-by-side mounting forwardsmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0   | Height   | mm     | 113.4   |
| Required spacingImage: Spacing spacin |  | mm     |   |
| • with side-by-side mountingImage: Market Side Side Side Side Side Side Side Side   |  | mm     | 130   |
| forwardsmm0 Backwardsmm0 upwardsmm0 downwardsmm0 at the sidemm0   | Required spacing   |        |   |
| Backwardsmm0upwardsmm0downwardsmm0at the sidemm0  | <ul> <li>with side-by-side mounting</li> </ul>                       |        |   |
| upwardsmm0 downwardsmm0 at the sidemm0  | — forwards   | mm     | 0   |
| downwards     mm     0       at the side     mm     0   | — Backwards  | mm     | 0   |
| — at the side mm 0  | — upwards  | mm     | 0   |
|   | — downwards  | mm     | 0   |
| ● for grounded parts  | — at the side  | mm     | 0   |
|   | ● for grounded parts   |        |   |

| mm | 0                                |
|----|----------------------------------|
| mm | 0                                |
| mm | 50                               |
| mm | 6                                |
| mm | 50                               |
|    |                                  |
| mm | 0                                |
| mm | 0                                |
| mm | 50                               |
| mm | 50                               |
| mm | 6                                |
|    | mm<br>mm<br>mm<br>mm<br>mm<br>mm |

| Connectio |  |
|-----------|--|
|           |  |
|           |  |
|           |  |

| Type of electrical connection                                 |     |  |
|---|-----|--|
| <ul> <li>for main current circuit</li> </ul>                  |     | screw-type terminals   |
| <ul> <li>for auxiliary and control current circuit</li> </ul> |     | screw-type terminals   |
| Type of connectable conductor cross-section                   |     |  |
| <ul> <li>for main contacts</li> </ul>                         |     |  |
| — single or multi-stranded                                    |     | 2x (1 35 mm²), 1x (1 50 mm²)                                     |
| <ul> <li>finely stranded with core end processing</li> </ul>  |     | 2x (1 25 mm²), 1x (1 35 mm²)                                     |
| <ul> <li>for AWG conductors for main contacts</li> </ul>      |     | 2x (18 2), 1x (18 1)   |
| <ul> <li>for auxiliary contacts</li> </ul>                    |     |  |
| — single or multi-stranded                                    |     | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)                              |
| <ul> <li>finely stranded with core end processing</li> </ul>  |     | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)                              |
| <ul> <li>for AWG conductors for auxiliary contacts</li> </ul> |     | 2x (20 16), 2x (18 14)   |
| Apparent pick-up power of the magnet coil with AC             | _   |  |
| ● at 50 Hz  | V·A | 210  |
| • at 60 Hz  | V·A | 188  |
| Safety related data:  |     |  |
| Proportion of dangerous failures                              |     |  |
| <ul> <li>with low demand rate acc. to SN 31920</li> </ul>     | %   | 40   |
| <ul> <li>with high demand rate acc. to SN 31920</li> </ul>    | %   | 73   |
| Product function Mirror contact acc. to IEC 60947-4-1         |     | Yes  |
| Protection against electrical shock                           | _   | finger-safe when touched vertically from front acc. to IEC 60529 |
| Mechanical data:  |     |  |
| Size of contactor   |     | S2   |
| Ambient conditions:   |     |  |
| Installation altitude at height above sea level               | m   | 2 000  |
| maximum   |     |  |
| Ambient temperature   |     |  |
|   |     |  |

| <ul><li>during operat</li><li>during storag</li></ul> |     | С°<br>С | -40 +70<br>-55 +80             |  |
|---|-----|---------|--------------------------------|--|
| Certificates/ appro<br>General Produ                  |     | _       | other                          |  |
| CSA   | EHC |         | Environmental<br>Confirmations |  |

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

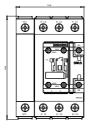
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

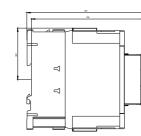
Cax online generator

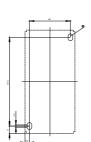
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT23361AN20

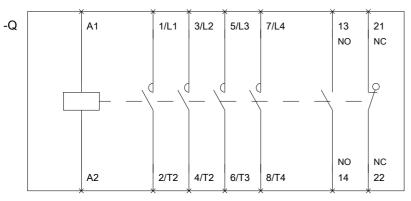
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT23361AN20/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT23361AN20&lang=en









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