## **SIEMENS**

Data sheet 3RV2011-1EA15



CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-RELEASE 2.8...4A, N-RELEASE 52A, SCREW CONNECTION, STANDARD SW. CAPACITY, W. TRANSVERSE AUX. SWITCH 1NO+1NC

| product brand name  | SIRIUS               |
|---------------------|----------------------|
| Product designation | 3RV2 circuit breaker |

| General technical data:                                    |    |                  |
|--|----|------------------|
| Active power loss total typical                            | W  | 6                |
| Insulation voltage   |    |                  |
| <ul> <li>with degree of pollution 3 Rated value</li> </ul> | V  | 690              |
| Shock resistance   |    |                  |
| • acc. to IEC 60068-2-27                                   |    | 25g / 11 ms      |
| Surge voltage resistance Rated value                       | kV | 6                |
| Mechanical service life (switching cycles)                 |    |                  |
| <ul> <li>of the main contacts typical</li> </ul>           |    | 100 000          |
| <ul> <li>of the auxiliary contacts typical</li> </ul>      |    | 100 000          |
| Electrical endurance (switching cycles)                    |    |                  |
| • typical  |    | 100 000          |
| Temperature compensation                                   | °C | -20 <b>+</b> 60  |
| Size of contactor can be combined company-specific         |    | S0               |
| Protection class IP  |    |                  |
| • on the front   |    | IP20             |
| • of the terminal  |    | IP20             |
| Type of protection   |    | Increased safety |
| Equipment marking  |    |                  |
| • acc. to DIN EN 81346-2                                   |    | Q                |

| Main circuit:                            |   |
|--|---|
| Number of poles for main current circuit | 3 |

| Adjustable response value current of the current-<br>dependent overload release | Α   | 2.8 4      |
|---|-----|------------|
| Operating voltage   | _   |            |
| Rated value   | V   | 690        |
| • at AC-3 Rated value maximum   | V   | 690        |
| Operating frequency Rated value   | Hz  | 50 60      |
| Operating current Rated value   | Α   | 4          |
| Operating current   |     |            |
| • at AC-3   |     |            |
| — at 400 V Rated value  | Α   | 4          |
| Operating power   |     |            |
| • at AC-3   |     |            |
| — at 230 V Rated value  | W   | 750        |
| — at 400 V Rated value  | W   | 1 500      |
| — at 500 V Rated value  | W   | 2 200      |
| — at 690 V Rated value  | W   | 3 000      |
| Operating frequency   |     |            |
| • at AC-3 maximum   | 1/h | 15         |
| Auxiliary circuit:  |     |            |
| Number of NC contacts   |     |            |
| • for auxiliary contacts  |     | 1          |
| Number of NO contacts   |     |            |
| • for auxiliary contacts  |     | 1          |
| Number of CO contacts   |     |            |
| • for auxiliary contacts  |     | 0          |
| Product expansion Auxiliary switch  |     | Yes        |
| Design of the auxiliary switch  |     | transverse |
| Operating current of the auxiliary contacts at AC-15                            |     |            |
| ● at 24 V   | Α   | 2          |
| ● at 120 V  | Α   | 0.5        |
| ● at 125 V  | Α   | 0.5        |
| ● at 230 V  | Α   | 0.5        |
| Operating current of the auxiliary contacts at DC-13                            |     |            |
| ● at 24 V   | Α   | 1          |
| ● at 60 V   | Α   | 0.15       |
| Protective and monitoring functions:  |     |            |
| Trip class  |     | CLASS 10   |
| Design of the overload circuit breaker  |     | thermal    |
| Operational short-circuit current breaking capacity (Ics) with AC               |     |            |
| • at 240 V Rated value  | kA  | 100        |
| ● at 400 V Rated value  | kA  | 100        |
|   |     |            |

| ** at 690 V Rated value**  Maximum short-circuit current breaking capacity (lou)**      ** with AC at 240 V Rated value**      ** with AC at 240 V Rated value**      ** with AC at 580 V Rated value**      ** with C current paths in Series for DC at 150 V Rated value**      ** with 2 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** with 3 current paths in series for DC at 450 V Rated value**      ** at 480 V Rated value**      ** at 600 V Rated value**      ** at 600 V Rated value**      ** at 600 V Rated value**      ** for single-phase AC motor at 110/120 V Rated value**      ** for insigle-phase AC motor at 230 V Rated value**      ** for three-phase AC motor at 220/230 V Rated value**      ** for three-phase AC motor at 220/230 V Rated value**      ** for three-phase AC motor at 460/480 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 575/600 V Rated value**      ** for three-phase AC motor at 600 V Rated value      | ● at 500 V Rated value                                   | kA     | 100         |
|--|--|--------|-------------|
| with AC at 240 V Rated value     with AC at 400 V Rated value     with AC at 500 V Rated value     with AC are food V Rated value     with C are food of the control of the auxiliary switch required     with AC at 500 V Rated value     with 3 current paths in series for DC at 300 V RATED V RA      | ● at 690 V Rated value                                   | kA     | 4           |
| with AC at 400 V Rated value     with AC at 500 V Rated value     with AC at 500 V Rated value     with AC at 600 V Rated value     with AC at 600 V Rated value     with 1 current path for DC at 150 V Rated value     with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current of the instantaneous short-circuit release  VIL/CSA ratings:  Full-load current (FLA) for three-phase AC motor     at 480 V Rated value     at 600 V Rated value     yielded mechanical performance [hp]     of or single-phase AC motor at 110/120 V Rated value     of or single-phase AC motor at 230 V Rated value     of or three-phase AC motor at 200/208 V Rated value     of or three-phase AC motor at 200/208 V Rated value     of or three-phase AC motor at 460/480 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or thre      | Maximum short-circuit current breaking capacity (Icu)    |        |             |
| with AC at 500 V Rated value     with AC at 500 V Rated value     with AC at 500 V Rated value     with C current path for DC at 150 V Rated value     with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current of the instantaneous short-circuit release  VI/(CSA ratings):  Full-load current (FLA) for three-phase AC motor     at 480 V Rated value     at 600 V Rated value     of or single-phase AC motor at 110/120 V Rated value     of for single-phase AC motor at 230 V Rated value     of for three-phase AC motor at 230 V Rated value     of for three-phase AC motor at 200/208 V Rated value     of or three-phase AC motor at 200/208 V Rated value     of or three-phase AC motor at 460/480 V Rated value     of or three-phase AC motor at 460/480 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated       | <ul><li>with AC at 240 V Rated value</li></ul>           | kA     | 100         |
| with AC at 690 V Rated value     Response value current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     Response value current of the instantaneous short-circuit release  ### Comparison of Comparison       | <ul> <li>with AC at 400 V Rated value</li> </ul>         | kA     | 100         |
| Breaking capacity short-dircuit current (Icn)  • with 1 current path for DC at 150 V Rated value • with 2 current paths in series for DC at 300 V Rated value • with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UI/CSA ratings:  Full-load current (FLA) for three-phase AC motor • at 480 V Rated value • at 600 V Rated value • at 600 V Rated value • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-ph | <ul> <li>with AC at 500 V Rated value</li> </ul>         | kA     | 100         |
| with 1 current path for DC at 150 V Rated value     with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value  Response value current of the Instantaneous short-circuit release  | <ul> <li>with AC at 690 V Rated value</li> </ul>         | kA     | 6           |
| with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor     at 480 V Rated value     at 600 V Rated value     for single-phase AC motor at 110/120 V Rated value     for single-phase AC motor at 230 V Rated value     for three-phase AC motor at 230 V Rated value     for three-phase AC motor at 200/208 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three      | Breaking capacity short-circuit current (Icn)            |        |             |
| Rated value  with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  at 480 V Rated value  at 600 V Rated value  for single-phase AC motor at 110/120 V Rated value  for single-phase AC motor at 230 V Rated value  for single-phase AC motor at 230 V Rated value  for three-phase AC motor at 200/208 V Rated value  for three-phase AC motor at 220/230 V Rated value  for three-phase AC motor at 460/480 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase | • with 1 current path for DC at 150 V Rated value        | kA     | 10          |
| Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value • at 600 V Rated value • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated value  | ·  | kA     | 10          |
| Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value • at 600 V Rated value  • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated v | ·  | kA     | 10          |
| circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value • at 600 V Rated value  • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated |  | Α      | 52          |
| Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 110/120 V Rated value  • for single-phase AC motor at 110/120 V Rated value  • for single-phase AC motor at 230 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 200/208 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rate |  |        |             |
| Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 110/120 V Rated value  • for single-phase AC motor at 110/120 V Rated value  • for single-phase AC motor at 230 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 200/208 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rate | III /CCA setiones  | _      |             |
| at 480 V Rated value  at 600 V Rated value  A 4  yielded mechanical performance [hp]  of ror single-phase AC motor at 110/120 V Rated value  for single-phase AC motor at 230 V Rated value  of for single-phase AC motor at 230 V Rated value  of three-phase AC motor at 200/208 V Rated value  of three-phase AC motor at 220/230 V Rated value  of three-phase AC motor at 220/230 V Rated value  of three-phase AC motor at 460/480 V Rated value  of three-phase AC motor at 575/600 V Rated value  of three-phase AC motor at 575/600 V Rated value  of three-phase AC motor at 575/600 V Rated value  of three-phase AC motor at 575/600 V Rated value  Total Training of the auxiliary contacts acc. to UL  Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip  Design of the fuse link  of ror short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  | · · · · · · · · · · · · · · · · · · ·                    |        |             |
| • at 600 V Rated value  yielded mechanical performance [hp]  • for single-phase AC motor at 110/120 V Rated value  • for single-phase AC motor at 230 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 200/208 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for short-circuit trip  Design of the fuse link  • for short-circuit protection of the auxiliary switch required   | · ·  | Α      | 4           |
| yielded mechanical performance [hp]  • for single-phase AC motor at 110/120 V Rated value  • for single-phase AC motor at 230 V Rated hp  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 200/208 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 460/480 V Rated hp  • for three-phase AC motor at 460/480 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 575/600 V Rated hp  • for three-phase AC motor at 460/480 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 200/280 V Rated hp  • for three-phase AC motor at 200/280 V Rated hp  • for three-phase AC motor at 200/280 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for three-phase AC motor at 220/230 V Rated hp  • for th |  | Α      | 4           |
| for single-phase AC motor at 110/120 V Rated value     for single-phase AC motor at 230 V Rated value     for three-phase AC motor at 200/208 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 220/230 V Rated v      |  |        |             |
| value hp  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 200/208 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 460/480 V Rated metric  • pp  • for three-phase AC motor at 460/480 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 460/480 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 460/480 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for three-phase AC motor at 575/600 V Rated metric  • pp  • for |  | metric | 0.125       |
| value  • for three-phase AC motor at 200/208 V Rated value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC moto | - 1  | hp     |             |
| for three-phase AC motor at 200/208 V Rated value     for three-phase AC motor at 220/230 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  Contact rating of the auxiliary contacts acc. to UL  Contact function Short circuit protection  Design of the short-circuit trip  Design of the fuse link     for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  | • for single-phase AC motor at 230 V Rated               | metric | 0.333       |
| value  • for three-phase AC motor at 220/230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  C300 / R300  Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip  Design of the fuse link  • for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  | value  | hp     |             |
| value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  C300 / R300  Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip  Design of the fuse link  • for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  |  |        | 0.75        |
| value hp metric hp Metric hp Short-circuit:  Contact rating of the auxiliary contacts acc. to UL C300 / R300  Short-circuit:  Product function Short circuit protection Yes  Design of the short-circuit trip magnetic  Design of the fuse link  ● for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)   | •  |        | 0.75        |
| Value hp  Contact rating of the auxiliary contacts acc. to UL  Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip  Design of the fuse link  • for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)   | •  |        | 2           |
| value hp  Contact rating of the auxiliary contacts acc. to UL  Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip  Design of the fuse link  • for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)   | • for three-phase AC motor at 575/600 V Rated            | ·      | 3           |
| Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip  Design of the fuse link  • for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  |  | hp     |             |
| Product function Short circuit protection  Design of the short-circuit trip  magnetic  Design of the fuse link  of required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  | Contact rating of the auxiliary contacts acc. to UL      |        | C300 / R300 |
| Product function Short circuit protection  Design of the short-circuit trip  magnetic  Design of the fuse link  of required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  | Short-circuit:   |        |             |
| Design of the short-circuit trip  Design of the fuse link  ● for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)   |  |        | Yes         |
| • for short-circuit protection of the auxiliary switch required  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  | Design of the short-circuit trip                         |        | magnetic    |
| required (short-circuit current lk < 400 A)  | Design of the fuse link                                  |        |             |
| Design of the fuse link for IT network for short-circuit   |  |        |             |
|  | Design of the fuse link for IT network for short-circuit |        |             |
| protection of the main circuit   | protection of the main circuit                           |        |             |
| ● at 400 V gL/gG 32 A  | ● at 400 V   |        | gL/gG 32 A  |
| ● at 500 V gL/gG 32 A  | ● at 500 V   |        | gL/gG 32 A  |

| nstallation/ mounting/ dimensions:           |    |  |  |
|--|----|--|--|
| mounting position                            |    | any  |  |
| Mounting type                                |    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 |  |
| Height                                       | mm | 97   |  |
| Width  | mm | 45   |  |
| Depth  | mm | 96   |  |
| Required spacing                             |    |  |  |
| <ul><li>with side-by-side mounting</li></ul> |    |  |  |
| — forwards                                   | mm | 0  |  |
| — Backwards                                  | mm | 0  |  |
| — upwards                                    | mm | 50   |  |
| — downwards                                  | mm | 50   |  |
| — at the side                                | mm | 0  |  |
| • for grounded parts                         |    |  |  |
| — forwards                                   | mm | 0  |  |
| — Backwards                                  | mm | 0  |  |
| — upwards                                    | mm | 50   |  |
| — at the side                                | mm | 30   |  |
| — downwards                                  | mm | 50   |  |
| • for live parts                             |    |  |  |
| — forwards                                   | mm | 0  |  |
| — Backwards                                  | mm | 0  |  |
| — upwards                                    | mm | 50   |  |
| — downwards                                  | mm | 50   |  |
| — at the side                                | mm | 30   |  |

| Connections/ Terminals:  |                                     |
|--|-------------------------------------|
| Type of electrical connection  |                                     |
| • for main current circuit   | screw-type terminals                |
| <ul> <li>for auxiliary and control current circuit</li> </ul>            | screw-type terminals                |
| Arrangement of electrical connectors for main current circuit            | Top and bottom                      |
| Product function   |                                     |
| <ul> <li>removable terminal for auxiliary and control circuit</li> </ul> | No                                  |
| Type of connectable conductor cross-section                              |                                     |
| • for main contacts  |                                     |
| <ul><li>— single or multi-stranded</li></ul>                             | 2x (0,75 2,5 mm²), 2x 4 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 main contacts</li> </ul>                 | 2x (18 14), 2x 12                   |

| • for auxiliary contacts   |     |                                     |
|--|-----|-------------------------------------|
| <ul> <li>single or multi-stranded</li> </ul>                       |     | 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)              |
| Tightening torque  |     |                                     |
| • for main contacts with screw-type terminals                      | N·m | 0.8 1.2                             |
| Design of screwdriver shaft  |     | Diameter 5 to 6 mm                  |
| Design of the thread of the connection screw                       |     |                                     |
| • for main contacts  |     | M3                                  |
| <ul> <li>of the auxiliary and control contacts</li> </ul>          |     | M3                                  |
| Safety related data:   |     |                                     |
| B10 value with high demand rate acc. to SN 31920                   |     | 50 000                              |
| 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>         | %   | 40                                  |
| Failure rate [FIT] with low demand rate acc. to SN 31920           | FIT | 50                                  |
| T1 value for proof test interval or service life acc. to IEC 61508 | У   | 10                                  |
| Protection against electrical shock                                |     | finger-safe                         |
| Mechanical data:   |     |                                     |
| Size of the circuit-breaker  |     | S00                                 |
| Ambient conditions:  |     |                                     |
| Installation altitude at height above sea level maximum            | m   | 2 000                               |
| Ambient temperature  |     |                                     |
| during operation   | °C  | -20 +60                             |
| during storage   | °C  | -50 <b>+</b> 80                     |
| during transport   | °C  | -50 <b>+</b> 80                     |
| Relative humidity during operation                                 | %   | 10 95                               |
| Display:   |     |                                     |
| Display version  |     |                                     |
| • for switching status   |     | Handle                              |
| Certificates/ approvals:   |     |                                     |

#### **General Product Approval**

Declaration of Conformity







**KTL** 

**Shipping Approval** 





# Test Certificates Type Test

Certificates/Test

Report

Special Test Certificate Declaration of the Compliance with the order







other

#### **Shipping Approval**



GL



LRS







Environmental Confirmations

#### other

Confirmation



other

### 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=3RV20111EA15

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

http://support.automation.siemens.com/WW/view/en/3RV20111EA15/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=3RV20111EA15&lang=en



