## **SIEMENS**

Data sheet 3RW4056-2BB44



SIRIUS soft starter S6 162 A, 90 kW/400 V, 40 °C 200-460 V AC, 230 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5056-2AB14<<

| General technical data   |    |                          |
|--|----|--------------------------|
| product brand name   |    | SIRIUS                   |
| product feature  |    |                          |
| <ul> <li>integrated bypass contact system</li> </ul>   |    | Yes                      |
| <ul><li>thyristors</li></ul>   |    | Yes                      |
| product function   |    |                          |
| <ul> <li>intrinsic device protection</li> </ul>  |    | Yes                      |
| <ul> <li>motor overload protection</li> </ul>  |    | Yes                      |
| <ul> <li>evaluation of thermistor motor protection</li> </ul>  |    | No                       |
| <ul> <li>external reset</li> </ul>   |    | Yes                      |
| <ul> <li>adjustable current limitation</li> </ul>  |    | Yes                      |
| inside-delta circuit   |    | No                       |
| product component motor brake output   |    | No                       |
| insulation voltage rated value   | V  | 600                      |
| degree of pollution  |    | 3, acc. to IEC 60947-4-2 |
| reference code acc. to DIN EN 61346-2  |    | Q                        |
| reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750                               |    | G                        |
| Power Electronics  |    |                          |
| product designation  |    | Soft starter             |
| operational current  |    |                          |
| <ul> <li>at 40 °C rated value</li> </ul>   | Α  | 162                      |
| <ul> <li>at 50 °C rated value</li> </ul>   | Α  | 145                      |
| at 60 °C rated value   | Α  | 125                      |
| yielded mechanical performance for 3-phase motors  • at 230 ∨  |    |                          |
| <ul> <li>at standard circuit at 40 °C rated value</li> </ul>   | W  | 45 000                   |
| ● at 400 V   |    |                          |
| <ul> <li>at standard circuit at 40 °C rated value</li> </ul>   | W  | 90 000                   |
| yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value | hp | 40                       |
| operating frequency rated value  | Hz | 50 60                    |
| relative negative tolerance of the operating frequency   | %  | -10                      |
| relative positive tolerance of the operating frequency   | %  | 10                       |
| operating voltage at standard circuit rated value  | V  | 200 460                  |
| relative negative tolerance of the operating voltage at standard circuit                                       | %  | -15                      |
| relative positive tolerance of the operating voltage at standard circuit                                       | %  | 10                       |
| minimum load [%]   | %  | 20                       |

| adjustable motor current for motor overload protection minimum rated value continuous operating current [% of leg at 40 °C   |   |         |   |
|--|---|---------|---|
| continuous operating current [% of leg at 40 °C power loss [W] 4 operation typical pow |   | Α       | 87  |
| power loss [W] at operational current at 40 °C during operation typical of incoming control type of voltage of the control supply voltage control supply voltage frequency if rated value control supply voltage frequency if rated value to the control supply voltage frequency if the control supply voltage frequency if the control supply voltage frequency is a control supply voltage frequency if the control supply voltage frequency is a control supply voltage at AC is 60 Hz is a control supply volta | -   | 0/2     | 115   |
| operation typical  Control circuit Control  Type of voltage of the control supply voltage  Control supply voltage frequency 1 rated value  Place of the control supply voltage frequency 2 rated value  Place of the control supply voltage frequency 2 rated value  Place of the control supply voltage frequency 2 rated value  Place of the control supply voltage frequency 2 rated value  Place of the control supply voltage frequency 2 rated value  Place of the control supply voltage frequency 2 rated value  Place of the control supply voltage frequency 3 rated value  Place of the control supply voltage frequency 3 rated value  Place of the control supply voltage frequency 3 rated value  Place of the control supply voltage frequency 3 rated value  Place of the control supply voltage at AC at 50 ftz  Place of the control supply voltage at AC at 50 ftz  Place of the control supply voltage at AC at 50 ftz  Place of the control supply voltage at AC at 60 ftz  Place of the control supp |   | -       |   |
| sype of voltage of the control supply voltage control supply voltage frequency 1 rated value Hz 50 control supply voltage frequency 2 rated value Hz 50 control supply voltage frequency 2 rated value Hz 50 control supply voltage frequency 2 rated value Hz 50 control supply voltage frequency 6 control supply voltage frequency 7 control supply voltage frequency 6 control supply voltage frequency 7 control supply voltage frequency 6 control supply voltage frequency 7 control supply voltage frequency 6 control supply voltage frequency 6 control supply voltage frequency 7 control supply voltage 6 control supply voltage  | operation typical   | VV      | 73  |
| control supply voltage frequency 1 rated value   | Control circuit/ Control  |         |   |
| control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency at a C = x16 OHz rated value  | type of voltage of the control supply voltage   |         | AC  |
| relative negative tolerance of the control supply obtage frequency relative positive tolerance of the control supply obtage of the control supply obtage of the control supply voltage of the control supply voltage of a AC  • at 50 Hz rated value • at 60 | control supply voltage frequency 1 rated value  | Hz      | 50  |
| voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC  • at 50 Hz rated value   | control supply voltage frequency 2 rated value  | Hz      | 60  |
| voltage frequency control supply voltage 1 at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  • v 230  relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 50 Hz relative pegative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at |   | %       | -10   |
| at 85 Hz rated value billed to the rated value v 230 relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz display version for fault signal  Mochanical data  size of engine control device width mm 120 height mm 188 depth mm 250 fastoning method mounting position  with additional fan: With vertical mounting surface +/-90° roltable, with vertical mounting surface +/-90° roltable, with vertical mounting surface +/-10° roltable, with vertical mounting surface +  |   | %       | 10  |
| relative negative tolerance of the control supply voltage at AC at 50 Hz voltage at AC at 60 Hz voltage at AC at 6 | control supply voltage 1 at AC  |         |   |
| relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal  Mechanical data  size of engine control device width mm 120  Mechanical data  size of engine control device width mm 250 fastening method mounting position  With additional fan: With vertical mounting surface +f-90° roltable, with vertical mounting surface +f-10° roltable, with | <ul> <li>at 50 Hz rated value</li> </ul>  | V       | 230   |
| voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive positive from 120 voltage at AC at 60 Hz volta | <ul> <li>at 60 Hz rated value</li> </ul>  | V       | 230   |
| voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz red  ### Mechanical data  size of engine control device width   |   | %       | -15   |
| voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz display version for fault signal Mechanical data size of engine control device width mm 120 height mm 126 depth depth depth depth fastening method mounting position  with additional fan: With vertical mounting surface +/-90° rolatable, with vertical mounting surface +/-10° to the front and back Without didinal fan: With vertical mounting surface +/-10° to the front and back Without didinal fan: With vertical mounting surface +/-10° to the front and back Without didinal fan: With vertical mounting surface +/-10° to the front and back Without didnal fan: With vertical mounting surface +/-10° to the front and back Without foul fan: With vertical mounting surface +/-10° to the front and back Without foul fan: With vertical mounting surface +/-10° to the front and back Without foul fan: With vertical mounting surface +/-10° to the front and back Without foul fan: With vertical mounting surface +/-10° to the front and back Without foul fan: With vertical mounting surface +/-90° rolatable, with vertical mountin |   | %       | 10  |
| woltage at AC at 60 Hz display version for fault signal Mechanical data size of engine control device width mm 120 height mm 198 depth screw fixing mounting position  Mounting position  With additional fan: With vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-22.5" tiltable to the front and back Without official fan: With vertical mounting surface +/-10" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-10" to the front and back Without hose the front and back Without four fan fan with vertical mounting surface +/-10" to the front and back Without four fan fan with vertical mounting surface +/-10" to the front and back Without four fan  |   | %       | -15   |
| Second Engine Control device   Second Engine Control Engin   |   | %       | 10  |
| size of engine control device width mm 120 height mm 198 depth mm 250  fastening method screw fixing mm 250  mounting position With additional fam: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90 | display version for fault signal  |         | red   |
| size of engine control device width mm 120 height mm 198 depth mm 250  fastening method screw fixing mm 250  mounting position With additional fam: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90 |   |         |   |
| width height   |   |         | S6  |
| height depth   |   | -<br>mm |   |
| depth fastening method mounting position  ### 250  ### 3crew fixing  ### With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back with vertical mounting surface +/-22.5° tiltable to the front and back with vertical mounting surface +/-22.5° tiltable to the front and back with vertical mounting surface +/-22.5° tiltable to the front and back with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° rotatable conductor circuit  ### 100  ### |   | -       |   |
| Tastening method  mounting position  With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-10° to the front surface +/-10° to the front and back Without additional fan: With vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-22.5° tiltable to the front and back With vertical mounting surface +/-22.5° tiltable to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and back With vertical mounting surface +/-10° to the front and surface */-10° to the front and surface */-10 |   | -       |   |
| mounting position  With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-2.2.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° rotatable, with vertical mounting surface +/-10° to the front and back without additional fan: With vertical mounting surface +/-10° to the front and back without additional fan: With vertical mounting surface +/-10° to the front and back without additional fan: With vertical mounting surface +/-2.2.5° tiltable to the front aback with vertical mounting surface +/-10° to the front aback with vertical mounting surface +/-10° to the front aback with vertical mounting surface +/-10° to the front aback with vertical mounting surface +/-10° to the front aback with vertical mounting surface +/-2.2.5° tiltable to the front aback with vertical mounting surface +/-10° to the front aback with vertical mounting surface +/-10° to the front aback with core end processing  • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping  | · ·   | -       |   |
| upwards     at the side     downwards     mm 5     downwards     mm 75  wire length maximum 75  may 300  number of poles for main current circuit  connections/ Torminals  type of electrical connection     for main current circuit 9     for auxiliary and control circuit 9     for auxiliary and control circuit 9     inumber of NC contacts for auxiliary contacts 10     number of NC contacts for auxiliary contacts 10     number of CO contacts for auxiliary contacts 11     type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point 15     ifinely stranded with core end processing 16 70 mm² 17 16 70 mm² 16 70 mm² 17 17 mm² 17 17 mm² 17 17 mm² 18 1  |   |         | With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting |
| upwards     at the side     downwards     mm 5     downwards     mm 75  wire length maximum 75  may 300  number of poles for main current circuit  connections/ Torminals  type of electrical connection     for main current circuit 9     for auxiliary and control circuit 9     for auxiliary and control circuit 9     inumber of NC contacts for auxiliary contacts 10     number of NC contacts for auxiliary contacts 10     number of CO contacts for auxiliary contacts 11     type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point 15     ifinely stranded with core end processing 16 70 mm² 17 16 70 mm² 16 70 mm² 17 17 mm² 17 17 mm² 17 17 mm² 18 1  | required spacing with side-by-side mounting   | _       |   |
| at the side downwards mm 75  wire length maximum number of poles for main current circuit  connections/ Terminals  type of electrical connection for main current circuit  for auxiliary and control circuit  number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  1 type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  finely stranded without core end processing finely stranded without core end processing finely stranded with core end processing finely stranded without core end processing finely   |   | mm      | 100   |
| downwards     wire length maximum     number of poles for main current circuit  Connections/ Terminals  type of electrical connection     of or auxiliary and control circuit     or auxiliary and control circuit     number of NC contacts for auxiliary contacts     number of NO contacts for auxiliary contacts     number of NO contacts for auxiliary contacts     1  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     ofinely stranded without core end processing     of stranded     finely stranded with core end processing     of finely stranded without core end proce      | •   |         |   |
| wire length maximum number of poles for main current circuit  Connections/ Terminals  type of electrical connection  |   |         |   |
| number of poles for main current circuit  connections/ Terminals  type of electrical connection  |   | -       | - 1   |
| type of electrical connection  • for main current circuit  • for auxiliary and control circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  1 type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • finely stranded with core end processing  • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing  • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • finely connectable conductor cross-sections for main contacts for box terminal using the back clamping boint  • finely connectable conductor cross-sections for main contacts for box terminal using both clamping   |   |         |   |
| type of electrical connection  |   |         |   |
| • for main current circuit     • for auxiliary and control circuit     number of NC contacts for auxiliary contacts     number of NO contacts for auxiliary contacts     number of CO contacts for auxiliary contacts     1  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     • finely stranded with core end processing     • stranded     type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point      • finely stranded with core end processing     • stranded     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded without core end processing     • stranded     • stranded     • stranded     type of connectable conductor cross-sections for main contacts for box terminal using both clamping     • stranded     type of connectable conductor cross-sections for main contacts for box terminal using both clamping  |   |         |   |
| • for auxiliary and control circuit     number of NC contacts for auxiliary contacts     number of NO contacts for auxiliary contacts     number of CO contacts for auxiliary contacts     1     type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     • finely stranded with core end processing     • finely stranded without core end processing     • stranded     16 70 mm²     • stranded     16 70 mm²      type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded without core end processing     • stranded     type of connectable conductor cross-sections for main contacts for box terminal using both clamping  | 21  |         | hughar connection   |
| number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • finely stranded with core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping  |   |         |   |
| number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping   |   |         |   |
| number of CO contacts for auxiliary contacts  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping   |   |         |   |
| type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded with core end processing • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point • finely stranded without core end processing • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping  |   |         |   |
| <ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using both clamping</li> </ul>   | type of connectable conductor cross-sections for main contacts for box terminal using the front |         |   |
| <ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using both clamping</li> </ul>   | <ul> <li>finely stranded with core end processing</li> </ul>                                    |         | 16 70 mm²   |
| ● stranded  type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  ● finely stranded with core end processing ● finely stranded without core end processing ● stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping  |   |         |   |
| main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping   |   |         | 16 70 mm²   |
| <ul> <li>finely stranded without core end processing</li> <li>stranded</li> <li>16 70 mm²</li> <li>16 70 mm²</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using both clamping</li> </ul>   | main contacts for box terminal using the back   |         |   |
| • stranded  type of connectable conductor cross-sections for main contacts for box terminal using both clamping  | <ul> <li>finely stranded with core end processing</li> </ul>                                    |         | 16 70 mm²   |
| type of connectable conductor cross-sections for main contacts for box terminal using both clamping  |   |         |   |
| points   | type of connectable conductor cross-sections for  |         |   |

| <ul> <li>finely stranded with core end processing</li> </ul>                                  |    | max. 1x 50 mm², 1x 70 mm²   |
|---|----|---|
| <ul> <li>finely stranded without core end processing</li> </ul>                               |    | max. 1x 50 mm², 1x 70 mm²   |
| stranded  |    | max. 2x 70 mm²  |
| type of connectable conductor cross-sections at AWG cables for main contacts for box terminal |    |   |
| <ul> <li>using the back clamping point</li> </ul>   |    | 6 2/0   |
| <ul> <li>using the front clamping point</li> </ul>  |    | 6 2/0   |
| <ul> <li>using both clamping points</li> </ul>  |    | max. 2x 1/0   |
| type of connectable conductor cross-sections for DIN cable lug for main contacts              |    |   |
| <ul> <li>finely stranded</li> </ul>   |    | 2x (16 95 mm²)  |
| • stranded  |    | 2x (25 120 mm²)   |
| type of connectable conductor cross-sections for auxiliary contacts                           |    |   |
| • solid   |    | 2x (0.25 1.5 mm²)   |
| <ul> <li>finely stranded with core end processing</li> </ul>                                  |    | 2x (0.25 1.5 mm²)   |
| type of connectable conductor cross-sections at AWG cables                                    | -  |   |
| <ul> <li>for main contacts</li> </ul>   |    | 4 250 kcmil   |
| <ul> <li>for auxiliary contacts</li> </ul>  |    | 2x (24 16)  |
| Ambient conditions  |    |   |
| installation altitude at height above sea level   | m  | 5 000   |
| environmental category  |    |   |
| <ul> <li>during transport acc. to IEC 60721</li> </ul>  |    | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)   |
| • during storage acc. to IEC 60721  |    | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4       |
| <ul> <li>during operation acc. to IEC 60721</li> </ul>  |    | 3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 |
| ambient temperature   |    |   |
| <ul><li>during operation</li></ul>  | °C | -25 <b>+</b> 60   |
| during storage  | °C | -40 +80   |
| derating temperature  | °C | 40  |
| protection class IP on the front acc. to IEC 60529  |    | IP00; IP20 with cover   |
| touch protection on the front acc. to IEC 60529   |    | finger-safe, for vertical contact from the front with cover   |
| Certificates/ approvals   |    |   |

Certificates/ approvals

**General Product Approval** 

EMC

For use in hazardous locations













Declaration of Conformity

**Test Certificates** 

Marine / Shipping

other



Special Test Certificate

Lloyd's Register



Confirmation

| UL/CSA ratings   |    |             |
|--|----|-------------|
| yielded mechanical performance [hp] for 3-phase AC motor     |    |             |
| • at 220/230 V   |    |             |
| <ul> <li>at standard circuit at 50 °C rated value</li> </ul> | hp | 50          |
| • at 460/480 V   |    |             |
| <ul> <li>at standard circuit at 50 °C rated value</li> </ul> | hp | 100         |
| contact rating of auxiliary contacts according to UL         |    | B300 / R300 |
| Further information  |    |             |

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4056-2BB44

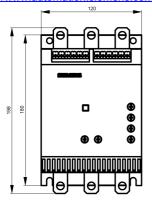
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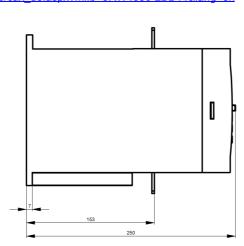
 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW4056-2BB44}$ 

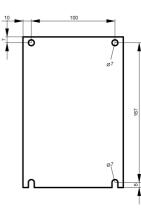
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

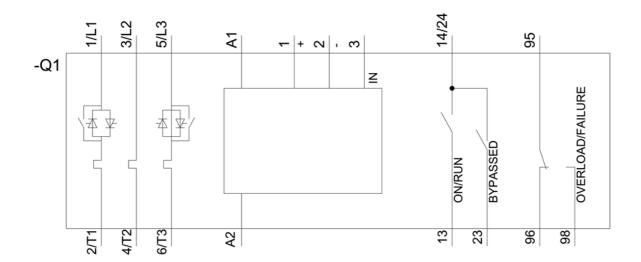
https://support.industry.siemens.com/cs/ww/en/ps/3RW4056-2BB44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4056-2BB44&lang=en









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