## **SIEMENS**

Data sheet 3RW3018-1BB14



SIRIUS soft starter S00 17.6 A, 7.5 kW/400 V, 40 °C 200-480 V AC, 110-230 V AC/DC Screw terminals

| General technical data   |      |                          |
|--|------|--------------------------|
| product brand name   |      | SIRIUS                   |
| product feature  |      |                          |
| <ul> <li>integrated bypass contact system</li> </ul>   |      | Yes                      |
| • thyristors   |      | Yes                      |
| product function   |      |                          |
| <ul> <li>intrinsic device protection</li> </ul>  |      | No                       |
| <ul> <li>motor overload protection</li> </ul>  |      | No                       |
| <ul> <li>evaluation of thermistor motor protection</li> </ul>  |      | No                       |
| external reset   |      | No                       |
| <ul> <li>adjustable current limitation</li> </ul>  |      | No                       |
| • 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 according to EN 61346-2   |      | Q                        |
| reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750                     |      | G                        |
| Power Electronics  |      |                          |
| product designation  |      | Soft starter             |
| operational current  |      |                          |
| <ul> <li>at 40 °C rated value</li> </ul>   | Α    | 17.6                     |
| <ul> <li>at 50 °C rated value</li> </ul>   | Α    | 17                       |
| • at 60 °C rated value   | Α    | 14                       |
| yielded mechanical performance for 3-phase motors  • at 230 V  |      |                          |
| — at standard circuit at 40 °C rated value   | kW   | 4                        |
| • at 400 V   | ICVV |                          |
| — at standard circuit at 40 °C rated value   | kW   | 7.5                      |
| yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value | hp   | 3                        |
| 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    | 200 480                  |
| relative negative tolerance of the operating voltage at standard circuit                                       | %    | -15                      |
| relative positive tolerance of the operating voltage at standard circuit                                       | %    | 10                       |
| minimum load [%]   | %    | 10                       |
|  |      |                          |

| operation typical  Sype of voltage of the control supply voltage Control supply voltage frequency 7 stated value  Control supply voltage frequency 2 rated value  Early of the control supply voltage frequency 2 rated value  Early of the control supply voltage frequency 2 rated value  Early of the control supply voltage 1 st AC at 50 Hz  Frequency  Fre | power loss [W] at operational current at 40 °C during        | W  | 4                              |
|--|--|----|--------------------------------|
| type of voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value relative negative tolorance of the control supply voltage relative negative tolorance of the control supply voltage relative negative tolorance of the control supply voltage relative positive tolorance of the control supply voltage relative negative tolorance of the control supply voltage at AC at 60 let control supply voltage 1 at AC at 60 Hz  |  |    |                                |
| control supply voltage frequency 2 rated value   |  |    |                                |
| control supply voltage frequency 2 rated value retailine negative tolerance of the control supply voltage frequency retailine negative tolerance of the control supply voltage frequency 2 | type of voltage of the control supply voltage                |    | AC/DC                          |
| relative negative tolerance of the control supply voltage frequency control supply voltage 1 at AC at 50 Mz Control supply voltage 1 at AC at 50 Mz V 110230  relative negative tolerance of the control supply voltage at AC at 50 Mz V 110230  relative negative tolerance of the control supply voltage at AC at 50 Mz AC at 50 Mz AC at 50 Mz Cat 50 Mz V 110230  relative negative tolerance of the control supply voltage at AC at 50 Mz Cat 50 Mz Cat 50 Mz V 110230  relative negative tolerance of the control supply voltage at AC at 50 Mz Cat 50 Mz Cat 50 Mz V 110230  relative negative tolerance of the control supply voltage at Cat 50 Mz Cat 50 Mz Cat 50 Mz V 110230  relative negative tolerance of the control supply voltage at Mz Cat 50 Mz Cat 50 Mz Cat 50 Mz V 110230  relative positive tolerance of the control supply voltage at Mz Cat 50 Mz Cat 5                             |  |    |                                |
| requency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz V 110 230   |  |    |                                |
| trequency control supply voltage 1 at AC at 50 Hz control supply voltage 1 at AC at 50 Hz v 110 230 control supply voltage 1 at AC at 60 Hz v 110 230  **Teathive negative tolerance of the control supply voltage at AC at 50 Hz **Teathive negative tolerance of the control supply voltage at AC at 50 Hz **Teathive negative tolerance of the control supply voltage at AC at 50 Hz **Teathive negative tolerance of the control supply voltage at AC at 50 Hz **Teathive negative tolerance of the control supply voltage at AC at 50 Hz **Teathive negative tolerance of the control supply voltage at AC at 50 Hz **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control supply voltage at CC **Teathive positive tolerance of the control device         |  |    | -10                            |
| control supply voltage 1 at AC at 60 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 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 relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative tolerance of the control supply voltage at DC relative negative negative tolerance S00  S00  S00  S00  S00  S00  S00  S0  | 117  | %  | 10                             |
| 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 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 negative tolerance of the control supply voltage at AC at 50 Hz.  control supply voltage 1 at DC  relative negative tolerance of the control supply voltage at AC at 50 Hz.  control supply voltage 1 at DC  relative positive tolerance of the control supply voltage at CC  display version for fault signal  Mechanical data  SSO0  display version for fault signal  Mechanical data  SSO0  width mm 45  height mm 95  depth mm 150  Sscew and snap-on mounting  with vertical mounting surface +/-10* rotatable, with vertical mounting surface +/-10* totatable, with vertical mounting surface +/-10* totatable, with vertical mounting surface +/-10* totatable, with vertical mounting surface +/-10* totatable to the front and back  required spacing with side-by-side mounting  • upwards  • at the pide  • of workerds  wire length maximum  m 300  number of No contacts for auxiliary contacts  volumber of No contacts for auxiliary contacts  1 of multiplay and control circuit  • of multiplay and control circuit  • of multiplay and control circuit  • linely stranded with core and processing  Vype of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the font clamping point  • sold  • finely stranded with core end processing  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts freely stranded with core end  processing  Ambient contents or Strands  Ambient contents or Strands  Ambient contents  Ambient contents or Strands  Ambient contents or St | control supply voltage 1 at AC at 50 Hz                      | V  | 110 230                        |
| AC at 50 HZ relative positive folarance of the control supply voltage at AC at 50 HZ relative positive tolarance of the control supply voltage at AC at 50 HZ relative positive tolarance of the control supply voltage at AC at 50 HZ relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC relative positive tolarance of the control supply voltage at BC red red Relative positive tolarance of the control supply voltage at BC red Relative positive tolarance of the control supply voltage at BC red Relative positive tolarance of the control supply voltage at BC Relative positive tolarance of the control supply voltage at BC Relative positive tolarance of the control supply voltage at BC Relative positive tolarance of BC Relative positive tolarance |  |    |                                |
| 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 control supply voltage 1 at DC relative positive tolerance of the control supply voltage at BC relative negative tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the control supply voltage at BC Relative positive tolerance of the Control device  SDO  Wether and snap on mounting Sorteward snap on mounting Sorteward snap on mounting Sorteward snap on mounting With vertical mounting surface +/- 10" tollable, with vertical mounting surface +/- 10" tollable, with vertical mounting surface +/- 10" tollable to the front and back  **With vertical mounting surface +/- 10" tollable, with vertical mounting surface +/- 10" tollable, with vertical mounting surface +/- 10" tollable to the front and back  **At the side  **At the side **In the side **In the surface and snap on mounting **At the side **In the surface and snap on mounting **In the surface and snap on mounting surface +/- 10" tollable, with vertical mounting surface +/- 10" tollable, with vertical mounting surface +/- 10" tollable, with vertical mounting surface +/ |  | %  | -15                            |
| AC at 80 HZ relative positive tolerance of the control supply voltage at AC at 68 HZ control supply voltage 1 at DC rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative tolerance of the control supply voltage at 5C rolative negative neg |  | %  | 10                             |
| AC at 6 Hz  control supply voltage 1 at DC  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  display version for fault signal  red  Mechanical data  size of engine control device  width  |  | %  | -15                            |
| relative negative tolerance of the control supply voltage at DC relative positive tolerance of the control supply voltage at DC display version for fault signal red  Mechanical data size of engine control device width  |  | %  | 10                             |
| relative positive tolerance of the control supply voltage at DC display version for fault signal Mechanical data size of engine control device width   |  |    |                                |
| DC   |  | %  | -20                            |
| size of engine control device width height mm 45 height mm 95 depth fastening method mounting position  required spacing with side-by-side mounting • upwards • at the side • downwards • downwards wire length maximum number of poles for main current circuit  • for auxiliary and control circuit  number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for auxiliary contacts • for auxiliary and control circuit solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • for deviating point • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point  2x (1 2.5 mm²), 2x (2.5 6 mm²)  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point  2x (1 2.5 mm²), 2x (2.5 6 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²)  4x (1 2.5 mm²), 2x (2.5 6 mm²)  2x (1 2.5 mm²), 2x (2.5 6 mm²)  |  | %  | 20                             |
| size of engine control device width mm 45 height mm 95 depth mm 150 fastening method screw and snap-on mounting mounting position With vertical mounting surface +/- 10* tiltable to the front and back required spacing with side-by-side mounting  |  |    | red                            |
| width height mm 95 depth mm 150  Fastening method mounting position mounting position  required spacing with side-by-side mounting • upwards • at the side • downwards mum 40 wire length maximum number of poles for main current circuit  Connections/ Terminals  type of electrical connection • for main current circuit  for main current circuit  screw-type terminals  number of NC contacts for auxiliary contacts number of OC contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for AWG cables • for auxiliary contacts  | Mechanical data  |    |                                |
| height   |  |    |                                |
| depth fastening method mounting position  required spacing with side-by-side mounting  • upwards • at the side • at the side • downwards wire length maximum number of poles for main current circuit • for auxiliary and control circuit • for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for auxiliary contacts • for auxiliary contacts for auxiliary contacts 1 type of connectable conductor cross-sections for auxiliary contacts • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • for auxiliary contacts for auxiliary contacts • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for auxiliary contacts • for auxiliary contacts  | width  | mm |                                |
| fastening method  mounting position  required spacing with side-by-side mounting  • upwards • at the side • downwards wire length maximum number of poles for main current circuit • for auxiliary and control circuit  • for auxiliary and control circuit  number of NC contacts for auxiliary contacts type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point • solid • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • for auxiliary and control cross-sections for AWG cables • for main current circuit • for auxiliary contacts • for inely stranded with core end processing • vigo of connectable conductor cross-sections for AWG cables • for auxiliary contacts • finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts  |  |    |                                |
| mounting position  With vertical mounting surface */-10" rotatable, with vertical mounting surface */-10" illable to the front and back  required spacing with side-by-side mounting  upwards at the side downwards mm 40  wire length maximum m 300 number of poles for main current circuit or main current circuit for auxiliary and control circuit for auxiliary and control circuit for auxiliary contacts for auxiliary contacts type of connectable conductor cross-sections for AWG cables for min contacts for box terminal  using the front clamping point finely stranded with core end processing finely stranded with core end processing for auxiliary contacts solid finely stranded with core end processing for auxiliary contacts finely stranded with core end for auxiliary contacts for auxiliary contac | ·  | mm |                                |
| required spacing with side-by-side mounting  • upwards • at the side • at the side • downwards • mm  • do  • at the side • downwards • mm  • fo • downwards • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary contacts • for fo Contacts for auxiliary contacts • for for contacts for auxiliary contacts • for for contacts for auxiliary contacts • for auxiliary contacts • for for the form of the form |  |    |                                |
| required spacing with side-by-side mounting  • upwards  • at the side  • downwards  mm  40  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  screw-type terminals  1 number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  1 number of NC contacts for auxiliary contacts  1 type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts  • solid  • using the front clamping point  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  2x (1 2.5 mm²), 2x (2.5 6 mm²)  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  2x (0.25 2.5 mm²)  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions  | mounting position  |    |                                |
| • upwards     • at the side     • downwards     • mm   | required spacing with side-by-side mounting                  |    |                                |
| downwards     wire length maximum     number of poles for main current circuit  Connections/ Terminals  type of electrical connection     of or main current circuit     screw-type terminals     screw-type terminals     screw-type terminals     screw-type terminals     number of NC contacts for auxiliary contacts     number of NC contacts for auxiliary contacts     1     number of CO contacts for auxiliary contacts     type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     solid     finely stranded with core end processing     type of connectable conductor cross-sections for AWG cables for main contacts for box terminal     using the front clamping point     vesolid     vesolid     vesolid     solid          |  | mm | 60                             |
| wire length maximum number of poles for main current circuit  Connections/ Terminals  type of electrical connection  | • at the side  | mm | 15                             |
| number of poles for main current circuit    Connections/ Terminals   | • downwards  | mm | 40                             |
| type of electrical connection  | wire length maximum  | m  | 300                            |
| type of electrical connection  • for main current circuit  • for auxiliary and control circuit  screw-type terminals  screw-type terminals  output for NO 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  • solid  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  2x (1 2.5 mm²), 2x (2.5 6 mm²)  2x (16 10)  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  2x (0.25 2.5 mm²)  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions   | number of poles for main current circuit                     |    | 3                              |
| • 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     number of CO contacts for auxiliary contacts     1     number of CO contacts for auxiliary contacts     type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     • solid   |  |    |                                |
| • 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     number of CO contacts for auxiliary contacts     type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point     • solid   |  |    |                                |
| 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 bx terminal using the front clamping point  • solid  • solid  2x (1 2.5 mm²), 2x (2.5 6 mm²)  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  2x (16 10)  type of connectable conductor cross-sections for auxiliary contacts  • solid  • solid  • solid  • finely stranded with core end processing  2x (0.25 2.5 mm²)  2x (0.25 1.5 mm²)  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions  |  |    |                                |
| 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  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions   | ·  |    |                                |
| number of CO contacts for auxiliary contacts  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • solid  • finely stranded with core end processing  2x (0.25 2.5 mm²)  2x (0.25 2.5 mm²)  type of connectable conductor cross-sections for auxiliary contacts  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions  |  |    |                                |
| type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • solid  • finely stranded with core end processing  2x (1 2.5 mm²), 2x (2.5 6 mm²)  2x (16 10)  2x (16 10)  type of connectable conductor cross-sections for auxiliary contacts  • solid  2x (0.25 2.5 mm²)  2x (0.25 1.5 mm²)  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions   |  |    |                                |
| solid  | type of connectable conductor cross-sections for main        |    | U                              |
| • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables for main contacts for box terminal      • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts      • solid      • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables      • for auxiliary contacts      • for auxiliary contacts      • for auxiliary contacts finely stranded with core end processing  Ambient conditions  2x (1 2.5 mm²)  2x (16 10)  2x (16 10)  2x (0.25 2.5 mm²)  2x (0.25 1.5 mm²)  2x (20 14)  2x (20 14)  2x (20 16)   |  |    | 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| type of connectable conductor cross-sections for AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions   |  |    |                                |
| type of connectable conductor cross-sections for auxiliary contacts  • solid  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions  | type of connectable conductor cross-sections for AWG         |    |                                |
| <ul> <li>contacts <ul> <li>solid</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections for AWG cables</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts finely stranded with core end processing</li> </ul> </li> <li>Ambient conditions</li> <li>2x (0.25 2.5 mm²)</li> <li>2x (0.25 1.5 mm²)</li> <li>2x (20 14)</li> <li>2x (20 14)</li> </ul>  | <ul> <li>using the front clamping point</li> </ul>           |    | 2x (16 10)                     |
| • finely stranded with core end processing  type of connectable conductor cross-sections for AWG cables      • for auxiliary contacts     • for auxiliary contacts finely stranded with core end processing  Ambient conditions  2x (0.25 1.5 mm²)  2x (20 14)  2x (20 14)  2x (20 16)   |  |    |                                |
| type of connectable conductor cross-sections for AWG cables  • for auxiliary contacts • for auxiliary contacts finely stranded with core end processing  Ambient conditions  | • solid  |    | 2x (0.25 2.5 mm²)              |
| e for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts finely stranded with core end processing  Ambient conditions  2x (20 14)  2x (20 16)  | <ul> <li>finely stranded with core end processing</li> </ul> |    | 2x (0.25 1.5 mm²)              |
| ◆ for auxiliary contacts finely stranded with core end processing  Ambient conditions  2x (20 16)  | ••   |    |                                |
| Ambient conditions   | <ul> <li>for auxiliary contacts</li> </ul>                   |    | 2x (20 14)                     |
|  |  |    | 2x (20 16)                     |
| installation altitude at height above sea level m 5 000  | Ambient conditions   |    |                                |
|  | installation altitude at height above sea level              | m  | 5 000                          |

|    | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)   |
|----|---|
|    | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4       |
|    | 3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 |
|    |   |
| °C | -25 +60   |
| °C | -40 +80   |
| °C | 40  |
|    | IP20  |
|    | finger-safe, for vertical contact from the front  |
|    |   |
|    |   |
|    |   |
| hp | 3   |
|    |   |
| hp | 10  |
|    | B300 / R300   |
|    |   |
|    | °C<br>°C  |

## **General Product Approval**









Confirmation



**General Product Ap**proval

**EMV** 

**Test Certificates** 

other





<u>KC</u>

Type Test Certificates/Test Report

**Miscellaneous** 

Confirmation

## **Environment**

**Environmental Confirmations** 

## Further information

Simulation Tool for Soft Starters (STS)

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

Information on the packaging

om/cs/ww/en/view/109813875

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=3RW3018-1BB14

Cax online generator

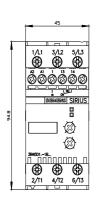
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3018-1BB14

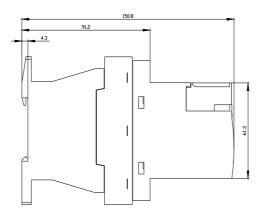
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$ 

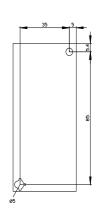
https://support.industry.siemens.com/cs/ww/en/ps/3RW3018-1BB14

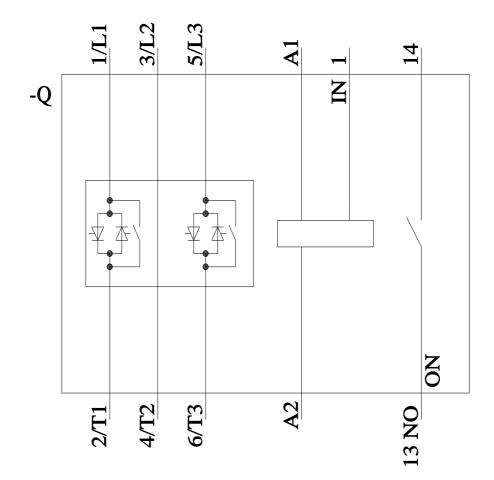
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW3018-1BB14&lang=en









last modified:

3/11/2024