SIEMENS

Data sheet

3RW3013-1BB04

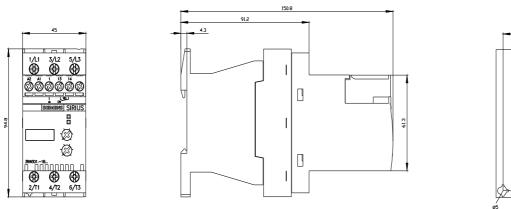


SIRIUS soft starter S00 3.6 A, 1.5 kW/400 V, 40 $^\circ C$ 200-480 V AC, 24 V AC/DC Screw terminals

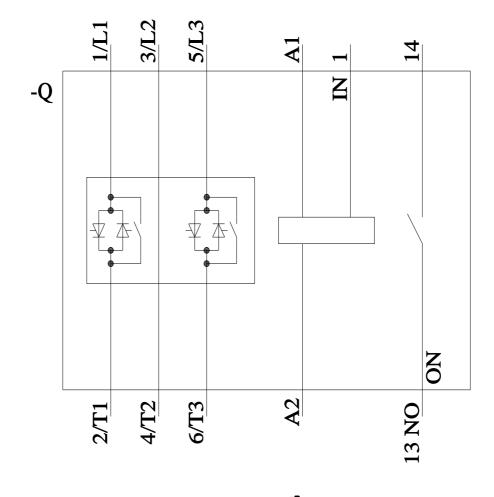
| General technical data | | |
|--|----|--------------------------|
| product brand name | | SIRIUS |
| product feature | | |
| integrated bypass contact system | | Yes |
| thyristors | | Yes |
| product function | | |
| intrinsic device protection | | No |
| motor overload protection | | No |
| evaluation of thermistor motor protection | | No |
| external reset | | No |
| adjustable current limitation | | 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 | | G |
| according to IEC 204-2 according to IEC 750 | | |
| Power Electronics | | |
| product designation | | Soft starter |
| operational current | | |
| at 40 °C rated value | A | 3.6 |
| at 50 °C rated value | A | 3.3 |
| at 60 °C rated value | A | 3 |
| yielded mechanical performance for 3-phase motors | | |
| ● at 230 V | | |
| — at standard circuit at 40 °C rated value | kW | 0.75 |
| ● at 400 V | | |
| — at standard circuit at 40 °C rated value | kW | 1.5 |
| yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value | hp | 0.5 |
| 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 |
| continuous operating current [% of le] at 40 °C | % | 115 |
| power loss [W] at operational current at 40 °C during | W | 0.25 |

| operation typical | | |
|--|----|--|
| Control circuit/ Control | | |
| type of voltage of the control supply voltage | | AC/DC |
| control supply voltage frequency 1 rated value | Hz | 50 |
| control supply voltage frequency 2 rated value | Hz | 60 |
| relative negative tolerance of the control supply voltage frequency | % | -10 |
| relative positive tolerance of the control supply voltage frequency | % | 10 |
| control supply voltage 1 at AC | | |
| at 50 Hz rated value | V | 24 |
| at 60 Hz rated value | V | 24 |
| relative negative tolerance of the control supply voltage at AC at 50 Hz | % | -15 |
| relative positive tolerance of the control supply voltage at AC at 50 Hz | % | 10 |
| relative negative tolerance of the control supply voltage at AC at 60 Hz | % | -15 |
| relative positive tolerance of the control supply voltage at AC at 60 Hz | % | 10 |
| control supply voltage 1 at DC rated value | V | 24 |
| relative negative tolerance of the control supply voltage at DC | % | -20 |
| relative positive tolerance of the control supply voltage at DC | % | 20 |
| display version for fault signal | | red |
| Mechanical data | | |
| size of engine control device | | S00 |
| width | mm | 45 |
| height | mm | 95 |
| depth featoning method | mm | 150 |
| fastening method | | screw and snap-on mounting With vertical mounting surface +/_10° rotatable, with |
| mounting position | | With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° tiltable to the front and back |
| required spacing with side-by-side mounting | | |
| • upwards | mm | 60 |
| • at the side | mm | 15 |
| downwards | mm | 40 |
| wire length maximum | m | 300 |
| number of poles for main current circuit | | 3 |
| Connections/ Terminals | | |
| type of electrical connection for main current circuit | | screw-type terminals |
| for main current circuit for auxiliary and control circuit | | screw-type terminals screw-type terminals |
| number of NC contacts for auxiliary contacts | | 0 |
| number of NO contacts for auxiliary contacts | | 1 |
| number of CO contacts for auxiliary contacts | | 0 |
| type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point | | |
| • solid | | 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| finely stranded with core end processing | | 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| type of connectable conductor cross-sections at 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 | | 2x (0.25 2.5 mm²) |
| finely stranded with core end processing | | 2x (0.25 1.5 mm²) |
| type of connectable conductor cross-sections at AWG cables | | |
| for auxiliary contacts | | 2x (20 14) |
| for auxiliary contacts finely stranded with core end processing | | 2x (20 16) |
| Ambient conditions | | |
| | | |

| installation altitude environmental cate | at height above sea l | | | | | |
|--|---|---|--|---|--|--------------------|
| | e al neight above sea i | evel | m | 5 000 | | |
| | egory | | | | | |
| during transport | ort according to IEC 607 | 21 | | 2K2, 2C1, 2S1, | 2M2 (max. fall height 0 | .3 m) |
| during storage | e according to IEC 6072 | 1 | | | sional condensation), 10 | |
| during operati | on according to IEC 607 | 21 | | 3K6 (no format | t not get inside the devic on of ice, no condensat d must not get into the c | ion), 3C3 (no salt |
| ambient temperatu | Ire | | | (001) | a maat not get me the t | |
| during operati | on | | °C | -25 +60 | | |
| during storage | e | | °C | -40 +80 | | |
| derating temperatu | ire | | °C | 40 | | |
| protection class IP 60529 | on the front according | g to IEC | | IP20 | | |
| touch protection o | n the front according t | o IEC 60529 | | finger-safe, for | vertical contact from the | front |
| Certificates/ approva | als | | | | | |
| General Product A | Approval | | | | | EMC |
| (SP) Can | <u>Confirmation</u> | |) | (UL) III | EHC | |
| Declaration of Cor | nformity | Test Certifica | ates oth | er | | |
| | | | | | | |
| UK | | <u>Type Test Ce</u> | | <u>Confirmation</u> | Miscellaneous | |
| | ((| ates/Test Re | port | | | |
| | | | | | | |
| | EG-Konf. | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| UI /CSA ratings | | | | | | |
| UL/CSA ratings | l performance [hp] for | 3-phase AC | | _ | _ | _ |
| | l performance [hp] for | 3-phase AC | _ | | _ | _ |
| yielded mechanica | I performance [hp] for | 3-phase AC | | | - | - |
| yielded mechanica motor • at 220/230 V | I performance [hp] for | - | hp | 0.5 | | - |
| yielded mechanica motor • at 220/230 V | | - | hp | 0.5 | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V | | value | hp | 0.5 | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa | ard circuit at 50 °C rated | value | | | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa | ard circuit at 50 °C rated | value | | 1.5 | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of a Further information | ard circuit at 50 °C rated | value value rding to UL | hp | 1.5 | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of a Further information Siemens has decid | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor | value value ding to UL market (see her | hp re). | 1.5 B300 / R300 | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of a Further information Siemens has decic https://press.siemer Siemens is workin | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor led to exit the Russian us.com/global/en/pressre g on the renewal of the | value value rding to UL market (see her elease/siemens-w | hp re). <u>vind-down-rus</u> ertificates. | 1.5 B300 / R300 | | |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of at Further information Siemens has decic https://press.siemer Siemens is workin Please contact your | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor led to exit the Russian is.com/global/en/pressre g on the renewal of the local Siemens office on | value value rding to UL market (see here elease/siemens-we current EAC co the status of vali | hp re). vind-down-rus ertificates. idity of the EA | 1.5 B300 / R300 ssian-business | | er to supply these |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of at Further information Siemens has decic https://press.siemer Siemens is workin Please contact your products to an EAC | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor led to exit the Russian is.com/global/en/pressre g on the renewal of the local Siemens office on relevant market (other t | value value rding to UL market (see here elease/siemens-we current EAC co the status of vali | hp re). vind-down-rus ertificates. idity of the EA | 1.5 B300 / R300 ssian-business | | er to supply these |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of at Further information Siemens has decid https://press.siemer Siemens is workin Please contact your products to an EAC Simulation Tool fo | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor- led to exit the Russian as.com/global/en/pressre g on the renewal of the local Siemens office on relevant market (other t r Soft Starters (STS) | value value rding to UL market (see here elease/siemens-we e current EAC ce the status of vali han the sanctione | hp re). vind-down-rus ertificates. idity of the EA ed EAEU mer | 1.5 B300 / R300 ssian-business | | er to supply these |
| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of at Further information Siemens has decic https://press.siemer Siemens is workin Please contact your products to an EAC Simulation Tool fo https://support.indus | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor- led to exit the Russian is.com/global/en/pressre g on the renewal of the local Siemens office on relevant market (other t r Soft Starters (STS) stry.siemens.com/cs/ww | value value rding to UL market (see here elease/siemens-we e current EAC ce the status of vali han the sanctione | hp re). vind-down-rus ertificates. idity of the EA ed EAEU mer | 1.5 B300 / R300 ssian-business | | er to supply these |
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| yielded mechanica motor • at 220/230 V — at standa • at 460/480 V — at standa contact rating of at Further information Siemens has decic https://press.siemen Siemens is workin Please contact your products to an EAC Simulation Tool fo https://support.indus Information on the https://support.indus Information- and D https://www.siemens Industry Mall (Onli | ard circuit at 50 °C rated ard circuit at 50 °C rated uxiliary contacts accor- led to exit the Russian is.com/global/en/pressre g on the renewal of the local Siemens office on relevant market (other t r Soft Starters (STS) stry.siemens.com/cs/ww packaging stry.siemens.com/cs/ww ownloadcenter (Catalo | value value rding to UL market (see here elease/siemens-w current EAC ca the status of vali han the sanctione /en/view/1014943 /en/view/1098133 ogs, Brochures, | hp re). vind-down-rus ertificates. idity of the EA ed EAEU mer 917 875) | 1.5 B300 / R300 ssian-business C certification if yo mber states Russia | | er to supply these |
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10/28/2022 🖸