## **SIEMENS**

## **Data sheet**



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Basic Electronic switching AC-3, 4 kW / 400 V 1.5 A...9.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 230/400 V AC 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch

| product brand name   | SIRIUS  |
|--|---|
| product designation  | Motor starters  |
| design of the product  | direct starter  |
| product type designation   | M200D   |
| product function   |   |
| on-site operation  | Yes   |
| <ul> <li>control circuit interface to parallel wiring</li> </ul> | No  |
| insulation voltage rated value                                   | 500 V   |
| degree of pollution  | 3   |
| surge voltage resistance rated value                             | 6 000 V   |
| maximum permissible voltage for protective separation            |   |
| <ul> <li>between main and auxiliary circuit</li> </ul>           | 400 V   |
| <ul> <li>between control and auxiliary circuit</li> </ul>        | 24 V  |
| protection class IP  | IP65  |
| shock resistance   | 12g / 11 ms   |
| type of assignment   | 1   |
| certificate of suitability                                       | CE  |
| Substance Prohibitance (Date)                                    | 07/01/2006  |
| SVHC substance name  | Blei - 7439-92-1<br>Bleimonoxid (Bleioxid) - 1317-36-8<br>2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5<br>2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 |
| product function   |   |
| direct start   | Yes   |
| reverse starting   | No  |
| product component motor brake output                             | Yes   |
| product feature  |   |
| <ul> <li>brake control with 230 V AC</li> </ul>                  | Yes   |
| <ul> <li>brake control with 400 V AC</li> </ul>                  | Yes   |
| <ul> <li>brake control with 24 V DC</li> </ul>                   | No  |
| <ul> <li>brake control with 180 V DC</li> </ul>                  | No  |
| <ul> <li>brake control with 500 V DC</li> </ul>                  | No  |
| product extension braking module for brake control               | No  |
| product function short circuit protection                        | Yes   |
| design of short-circuit protection                               | circuit-breakers  |
| maximum short-circuit current breaking capacity (Icu)            |   |
| • at 400 V rated value   | 50 000 A  |
| at 500 V rated value   | 20 000 A  |
| EMC emitted interference according to IEC 60947-1                | CISPR11, ambience A (group 2)   |
| EMC immunity according to IEC 60947-1                            | corresponds to degree of severity 3, ambience A (industrial sector)   |
| conducted interference   |   |

| • due to conductor confluence of the Colon 4-4  • due to conductor confluence securing to EC 61000-4-5  • due to conductor confluence surge according to EC 61000-4-5  • due to conductor confluence surge according to EC 61000-4-5  • funder protection against electrical shock fine certain surgest of the Colon 4-6 and 5-6 and  |   |  |
|---|---|--|
| * vius to conductor-conductor surge according to IEC touch protection against electrical shock  **Main circuit**  **unumber of poles for main current circuit**  **displant circ  | -   | 2 kV network connection / 1 kV control connection  |
| Section 4-5 touch protection against electrical shock floger-safe  Wain circuit  Ausiliar Circuit  Adesign of the switching contact design of the switching contact design of the switching contact dependent overface releases  Paye of the motor protection Operating voltage rated value Operating voltage rated value Operating voltage rated value Operating voltage rated value  Payer of the motor operation  A CAS at 460 V rated value  A CAS at 400 V ra  |   |  |
| Touch protection against electrical shock    Stancischemic   S  |   | 1 kV   |
| Manufactional number of poles for main current circuit 3 design of the switching contact 3 adjustable current response value current of the current 5,5 - 9 A 5,7 + 15 - 9 A 6,7 + 15 - 9 A 7,7 + 15 - 9   |   | E  |
| number of poles for main current circuit design of the switching contact solid-state / thyristor / 2 phases salpustable current response value current of the current type of the motor protection Operating voitage raid value  200 - 49 V Oporational current  • at AC at 400 V raid value  - at 500 V raid value  - signial ruputs parameterizable  • signial ruputs parameterizable  • signial ruputs parameterizable  • signial ruputs parameterizable  • for digital ruputs parameterizable  • for digital ruputs signial  • for digital ruputs signial ruputs  1  Supply voltage of the supply voltage  DC  supply voltage of the control supply voltage  - at 50 C rated value  • at 10 C ra  |   | iiiger-sale  |
| design of the switching contact adjustable current response value current of the current dependent overload release type of the motor protection operating rotinge rated value 200440 V operational current • at AC-3 at 400 V rated value • at AC-3 at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value • at AC-3 at 400 V rated value — at 500 V rated value — at 600 V rated value — for digital inputs parameterizable No number of digital inputs parameterizable No number of digital inputs agenis — to redigital input signals — for digital input signals — fo   |   |  |
| adjustable current response value current of the current-dependent or verdoad releases  type of the motor protection operating voltage rated value  200 440 V  operating voltage rated value  200 440 V  operating power  • at AC at 400 V rated value  • at AC at 400 V rated value  • at 500 V rated value  • digital inputs parameterizable  • digital outputs parameterizable  • digital outputs parameterizable  • for digital protection of digital inputs  • for digital protection of digital inputs  • for digital protection of digital outputs parameterizable  • for digital protection of digital outputs parameterizable  • for digital protection of digital outputs parameterizable  • for digital protection of digital outputs  • for digital protection outputs  • for digital outputs  • for digit  | <u> </u>  |  |
| dependent overload rolease   full motor protection   full motor protection   full motor protection   full motor protection   coparating voltage mated value   200 440 V   coparating voltage mated value   9 A   9 A   4 AC 3 at 400 V rated value   9 A   9 A   4 AC 3 at 400 V rated value   9 A   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 kW   4 AC 3 at 400 V rated value   4 AC 400 V rated value  |   |  |
| Operating voltage rated value   200 440 V   Operational current   |   | 1.5 9 A  |
| Operational current   # at AC off 400 V rated value   9 A   # at AC off 400 V rated value   9 A   # at AC off 400 V rated value   9 A   # at AC off 400 V rated value   9 A   # at AC off 400 V rated value   4 kW  | type of the motor protection  | full motor protection  |
| at AC at 400 V rated value     at AC 3 at 400 V rated value     at AC 3 at 400 V rated value     at AC 3     at 400 V rated value     at AC 3     at 400 V rated value     at 500 V rated value     at 500 V rated value     at 600 V rated valu  | operating voltage rated value   | 200 440 V  |
| e at AC-3 at 400 V rated value  operating power  e at AC-3  — at 400 V rated value  — at 900 V rated value  4 kW  • at AC-3e  — at 400 V rated value  — at 900 V rated value  • digital inputs parameterizable  • digital inputs parameterizable  • digital inputs parameterizable  • for digital inputs  • for digital inputs  • for digital inputs signals  • for digital input   | operational current   |  |
| a   | <ul> <li>at AC at 400 V rated value</li> </ul>  | 9 A  |
|   | <ul> <li>at AC-3 at 400 V rated value</li> </ul>  | 9 A  |
|   | operating power   |  |
| at AC-3e  | • at AC-3   |  |
| at AC-3e  at 40 V rated value  at 50 V rated value  4 kW  product function  éligital inputs parameterizable No number of digital inputs number of oscotats  for digital outputs ignals for digital outputs signals for digital inputs number of value for digital outputs  for digital inputs number of value for digital outputs  for digital outputs  DC  supply voltage  type of voltage of the supply voltage  upply voltage 1  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC rated value minimum permissible  since of control supply voltage of the control supply voltage  minimum permissible  at DC rated value  at DC rated valu   | — at 400 V rated value  | 4 kW   |
| at AC-3e  at 40 V rated value  at 50 V rated value  4 kW  product function  éligital inputs parameterizable No number of digital inputs number of oscotats  for digital outputs ignals for digital outputs signals for digital inputs number of value for digital outputs  for digital inputs number of value for digital outputs  for digital outputs  DC  supply voltage  type of voltage of the supply voltage  upply voltage 1  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC rated value minimum permissible  since of control supply voltage of the control supply voltage  minimum permissible  at DC rated value  at DC rated valu   | — at 500 V rated value  | 4 000 W  |
| at 400 V rated value 4 kW at 500 V rated value 5 digital inputs parameterizable No digital inputs parameterizable No  |   |  |
| - at 500 V rated value 4 kW product function   • digital inputs parameterizable   |   | 4 kW   |
| product function  • digital inputs parameterizable • digital inputs  number of digital inputs  • for digital output signals • for digital output signals • for digital outputs •  |   |  |
| digital inputs parameterizable digital outputs parameterizable number of digital inputs for digital inputs signals for digital input signals for digital input signals for digital input signals  number of digital input signals  type of voltage of the supply voltage  supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC rated value minimum permissible maximum permissible maximum permissible maximum permissible maximum permissible  control circuit Control type of voltage of the control supply voltage control supply voltage 1 at DC rated value  control supply voltage of the control supply voltage control supply voltage of the control supply voltage control supply voltage at DC rated value  at DC rate   |   |  |
| oligital outputs parameterizable     number of digital inputs     of cridigital output signals     of or digital output signals     of or digital outputs     of ordigital input signals     of ordigital outputs     ordigital outputs     of ordigital outputs     of ordigital outputs     ordigital output signals     ordigital outputs     ordigital outputs signals     ordigital outputs     ordigital outputs signals     ordigital outputs screen     ordigital output   | •   | No   |
| number of sockets  for digital output signals  for digital outputs  for digital outputs  1  number of digital outputs  1  supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC  supply voltage 1 at DC  supply voltage 1 at DC at device  minimum permissible  maximum permissible  maximum permissible  tontrol circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  20.4 28.8 V  control supply voltage at DC rated value  24 V  at DC rated value  24 V  at DC rated value  24 V  at DC rated value  20.4 28.8 V  control current at DC  in standby mode of operation  during operation  voltage of peration  during operation  power loss tW] in auxiliary and control circuit  in switching state OFF with bypass circuit  in switching state OF with bypass circuit  in switching state ON with bypass circuit  in switching state ON with bypass circuit  en switching state on switching state on with bypass circuit  en switching state on with switch bypass circuit  en  |   |  |
| number of sockets  • for digital output signals • for digital input signals 1 number of digital outputs 1 Supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC 24 V supply voltage 1 at DC • minimum permissible • maximum permissible • maximu  |   |  |
| For digital output signals  |   | 7  |
| • for digital input signals number of digital outputs  type of voltage of the supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC cated value • minimum permissible • maximum permissible • maximum permissible • maximum permissible • ontrol circuit/ Control  type of voltage of the control supply voltage control supply voltage at DC rated value  control supply voltage at DC rated value • at DC  control current at DC • in standby mode of operation • during operation • during operation  power loss [W] in auxillary and control circuit • in switching state OFF with bypass circuit • in switching state OF with bypass circuit • in switching state OF with bypass circuit • in switching state ON with bypass circ  |   | 1  |
| number of digital outputs  Supply voltage  type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC  eminimum permissible  maximum permissible  maximum permissible  maximum permissible  maximum permissible  control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage at DC rated value  control current at DC  in standby mode of operation  during operation  power loss [W] in auxiliary and control circuit  in switching state OF with bypass circuit  in switching state OF with bypass circuit  in switching state ON with bypass circuit  70  |   |  |
| type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC ated value  • minimum permissible • maximum permissible  control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value  • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • at DC rated value • be at DC rated value • control supply voltage at DC rated value • be at DC • in standby mode of operation • in switching state OF with bypass circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • in switching state ON with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit •   |   |  |
| type of voltage of the supply voltage  supply voltage 1 at DC  supply voltage 1 at DC rated value  ominimum permissible  68.5 V  maximum permissible  ominimum permissible  omin  |   |  |
| supply voltage 1 at DC supply voltage 1 at DC rated value  • minimum permissible • maximum permissible • maximum permissible • maximum permissible  control circuit/ Control  type of voltage of the control supply voltage control supply voltage at DC rated value • at DC control current at DC • in standby mode of operation • during operation • during operation • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching stat  |   | 20   |
| supply voltage 1 at DC rated value  minimum permissible maximum permissible maximum permissible maximum permissible maximum permissible maximum permissible  control circuit/ Control  type of voltage of the control supply voltage control supply voltage at DC rated value  control supply voltage at DC rated value  at DC rated value at DC rated value at DC at DC at DC in standby mode of operation during operation during operation  on 6 A  power loss [W] in auxiliary and control circuit in in switching state OFF with bypass circuit  elias witching state off with operation  OF-delay time  OF-delay time  OF-delay time  OF-delay time  of-commended fastening method screw fixing height width 294 mm  depth  Ambient conditions installation altitude at height above sea level maximum  2 000 m  | type of voltage of the supply voltage   | DC   |
| <ul> <li>minimum permissible</li> <li>maximum permissible</li> <li>31.6 V</li> </ul> Control circuit/ Control type of voltage of the control supply voltage <ul> <li>control supply voltage at DC rated value</li> <li>20.4 28.8 V</li> </ul> control supply voltage 1 <ul> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC</li> <li>at DC</li> <li>20.4 28.8 V</li> </ul> control current at DC <ul> <li>in standby mode of operation</li> <li>during operation</li> <li>a witching state OFF with bypass circuit</li> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>2.1898 W</li> </ul> Response times <ul> <li>ON-delay time</li> <li>OF-delay time</li> <li>OF-delay time</li> <li>o recommended</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>215 mm</li> <li>width</li> <li>294 mm</li> </ul> Ambient conditions <ul> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> </ul>  | averally well-to a 4 of DC  | 041/   |
| maximum permissible     31.6 V  Control Circuit/ Control  type of voltage of the control supply voltage     control supply voltage at DC rated value     20.4 28.8 V  Control supply voltage 1     • at DC rated value     • at DC     • in standby mode of operation     • during operation     • during operation     • in switching state OFF with bypass circuit     • in switching state OFF with bypass circuit     • in switching state ON with bypass circuit     • so Sm  ON-delay time     OFF-delay time     OFF-delay time     OFF-delay time     in seitching method     • recommended     fastening method     beight     vertical, horizontal, flat     height     vertical, borizontal, flat     height     vertical, borizontal, flat     height     vertical, borizontal, flat     horizontal     fastening method     screw fixing     height     vertical, borizontal, flat     horizontal     depth     Amblent conditions     installation altitude at height above sea level maximum     2000 m  |   |  |
| type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage at DC rated value  e at DC  control current at DC  in standby mode of operation  during operation  outling operation  power loss [W] in auxiliary and control circuit  in switching state OFF with bypass circuit  in switching state ON with bypass circuit  in switching state ON with bypass circuit  outling operation  OF-delay time  OF-delay time  OF-delay time  OF-delay time  of-Fedelay time   | supply voltage 1 at DC rated value  | 30 V   |
| type of voltage of the control supply voltage  control supply voltage at DC rated value  20.4 28.8 V  control supply voltage 1  at DC rated value  24 V  at DC rated value  20.4 28.8 V  at DC  control current at DC  in standby mode of operation  during operation  during operation  olio MA  during operation  in switching state OFF with bypass circuit  in switching state OFF with bypass circuit  in switching state ON with bypass circuit  Non-delay time  ON-delay time  OFF-delay time  OFF-delay time  off-delay time  fastening method  fastening method  screw fixing  width  depth  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  | supply voltage 1 at DC rated value  • minimum permissible   | 30 V<br>26.5 V   |
| control supply voltage at DC rated value  control supply voltage 1  at DC rated value  at DC rated value  at DC rated value  at DC rated value  at DC  at DC  control current at DC  in standby mode of operation  during operation  during operation  olo AA  power loss [W] in auxiliary and control circuit  in switching state OFF with bypass circuit  in switching state ON with bypass circuit  2.1888 W  Response times  ON-delay time  OFF-delay time  OFF-delay time  at DC  25 ms  OFF-delay time  orecommended  fastening method  fastening method  horizontal  fastening method  height  215 mm  width  229 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  | 30 V<br>26.5 V   |
| control supply voltage 1  • at DC rated value 24 V  • at DC rated value 20.4 28.8 V  • at DC 20.4 28.8 V  • at DC 20.4 28.8 V  control current at DC  • in standby mode of operation 100 mA  • during operation 0.6 A  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit 1.9584 W  • in switching state ON with bypass circuit 2.1888 W  Response times  ON-delay time 25 ms  OFF-delay time 35 ms  mounting position vertical, horizontal, flat  • recommended horizontal fastening method screw fixing  height 215 mm  width 294 mm  depth 159 mm  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  | 30 V<br>26.5 V<br>31.6 V   |
| at DC rated value at DC rated value at DC at DC at DC at DC control current at DC in standby mode of operation during operation at during operation at DC bin switching state OFF with bypass circuit in switching state OFF with bypass circuit in switching state OFF with bypass circuit bin switching state OFF with bypass circuit bin switching state ON with bypass circuit bin switching state OFF with bypass circuit bin switching state ON with bypass circuit bin switching state OFF with bypass circuit bin switching state OFF with bypass circuit bin switching state ON with bypass circuit bin switching state OFF with bypass circuit bin switching state OF   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  | 30 V<br>26.5 V<br>31.6 V   |
| at DC rated value at DC 20.4 28.8 V  control current at DC  in standby mode of operation during operation olo A  power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit  ON-delay time OFF-delay time OFF-delay time sore mounting position recommended fastening method height width 294 mm depth Ambient conditions installation altitude at height above sea level maximum  20.4 28.8 V  20.5 mA  1.9584 W  2.1888 W  25 ms  OFF-delay time OFF-delay time Screw fixing  4 stening method Screw fixing  5 stening method Screw fixing  6 stening method Screw fixing  8 stening method Screw fixing  9 stening method Screw fixing Screw fixing  9 stening method Screw fixing Screw fi   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage   | 30 V<br>26.5 V<br>31.6 V   |
| at DC control current at DC in standby mode of operation during operation during operation of which in switching state OFF with bypass circuit in switching state ON with bypass circuit in switching state ON with bypass circuit of in switching state ON with bypass circuit  Pesponse times ON-delay time OFF-delay time Soff-delay time The commended The conditions Soft of the commended The conditions Soft of the commended Soft of the commen   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value   | 30 V<br>26.5 V<br>31.6 V   |
| control current at DC  in standby mode of operation during operation o.6 A  power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit in switching state ON with bypass circuit 2.1888 W  Response times  ON-delay time 25 ms OFF-delay time 35 ms  mounting position vertical, horizontal, flat horizontal fastening method screw fixing height 294 mm depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V  |
| in standby mode of operation during operation during operation  outper loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit 2.1888 W  Response times  ON-delay time 25 ms OFF-delay time 35 ms  mounting position vertical, horizontal, flat in recommended fastening method screw fixing height width 294 mm depth Ambient conditions installation altitude at height above sea level maximum  2 0.6 A  1.9584 W 2.1888 W  Response times  2.1888 W  2.1   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V  |
| <ul> <li>during operation</li> <li>power loss [W] in auxiliary and control circuit</li> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>2.1888 W</li> </ul> Response times ON-delay time <ul> <li>25 ms</li> <li>OFF-delay time</li> <li>orecommended</li> <li>horizontal</li> <li>fastening method</li> <li>height</li> <li>uertical, horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>uertical, horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>uertical, horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>uertical, horizontal, flat</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>horizontal</li> <li>acrew fixing</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>horizontal</li> <li>acrew fixing</li> <li>horizontal</li> <li>acrew fixing</li> <li>acrew fixing<td>supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value</td><td>30 V<br/>26.5 V<br/>31.6 V<br/>DC<br/>20.4 28.8 V<br/>24 V<br/>20.4 28.8 V</td></li></ul> | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V   |
| power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  1.9584 W  2.1888 W  Response times  ON-delay time  25 ms  OFF-delay time  35 ms  mounting position  • recommended  fastening method  screw fixing  height  width  294 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V   |
| <ul> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>2.1888 W</li> <li>Response times</li> <li>ON-delay time</li> <li>OFF-delay time</li> <li>35 ms</li> <li>mounting position</li> <li>vertical, horizontal, flat</li> <li>recommended</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>215 mm</li> <li>width</li> <li>294 mm</li> <li>depth</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> </ul>   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC control current at DC  | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V  |
| <ul> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>2.1888 W</li> <li>Response times</li> <li>ON-delay time</li> <li>OFF-delay time</li> <li>35 ms</li> <li>mounting position</li> <li>vertical, horizontal, flat</li> <li>recommended</li> <li>horizontal</li> <li>fastening method</li> <li>screw fixing</li> <li>height</li> <li>215 mm</li> <li>width</li> <li>294 mm</li> <li>depth</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> </ul>   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V  |
| in switching state ON with bypass circuit      Response times  ON-delay time     25 ms  OFF-delay time     35 ms  mounting position     vertical, horizontal, flat     • recommended     horizontal  fastening method     screw fixing  height     215 mm  width     294 mm  depth     159 mm  Ambient conditions installation altitude at height above sea level maximum  2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V  |
| Response times  ON-delay time 25 ms  OFF-delay time 35 ms  mounting position • recommended • horizontal  fastening method screw fixing  height 215 mm  width 294 mm  depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V  |
| ON-delay time OFF-delay time 35 ms  mounting position vertical, horizontal, flat recommended horizontal  fastening method screw fixing height 215 mm width 294 mm depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V<br>100 mA<br>0.6 A   |
| OFF-delay time  mounting position  • recommended  fastening method  height  width  294 mm  depth  Ambient conditions  installation altitude at height above sea level maximum  35 ms  vertical, horizontal, flat  horizontal  screw fixing  215 mm  215 mm  294 mm  2000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V<br>100 mA<br>0.6 A   |
| mounting position       vertical, horizontal, flat         ● recommended       horizontal         fastening method       screw fixing         height       215 mm         width       294 mm         depth       159 mm         Ambient conditions       installation altitude at height above sea level maximum       2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  Response times   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V<br>100 mA<br>0.6 A<br>1.9584 W<br>2.1888 W   |
| ● recommended horizontal  fastening method screw fixing height 215 mm width 294 mm depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  Response times  ON-delay time   | 30 V<br>26.5 V<br>31.6 V<br>DC<br>20.4 28.8 V<br>24 V<br>20.4 28.8 V<br>20.4 28.8 V<br>100 mA<br>0.6 A<br>1.9584 W<br>2.1888 W   |
| fastening method     screw fixing       height     215 mm       width     294 mm       depth     159 mm       Ambient conditions       installation altitude at height above sea level maximum     2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  |
| height 215 mm width 294 mm depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value • at DC rated value • at DC  control current at DC  • in standby mode of operation • during operation  power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position  | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat  |
| width 294 mm  depth 159 mm  Ambient conditions installation altitude at height above sea level maximum 2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value • at DC rated value • at DC  control current at DC  • in standby mode of operation • during operation  power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position • recommended  | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal                                   |
| depth     159 mm       Ambient conditions     installation altitude at height above sea level maximum     2 000 m   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position  • recommended  fastening method  | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing                      |
| Ambient conditions installation altitude at height above sea level maximum 2 000 m  | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position  • recommended  fastening method  height  | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm               |
| installation altitude at height above sea level maximum 2 000 m   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value  • at DC rated value  • at DC  control current at DC  • in standby mode of operation  • during operation  power loss [W] in auxiliary and control circuit  • in switching state OFF with bypass circuit  • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position  • recommended  fastening method  height  width   | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm        |
|   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value • at DC rated value • at DC  control current at DC  • in standby mode of operation • during operation  power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position • recommended  fastening method height width depth   | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm        |
| ampient temperature   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value • at DC rated value • at DC  control current at DC • in standby mode of operation • during operation  power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position • recommended  fastening method  height  width  depth  Ambient conditions   | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm |
|   | supply voltage 1 at DC rated value  • minimum permissible  • maximum permissible  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at DC rated value  control supply voltage 1  • at DC rated value • at DC rated value • at DC  control current at DC • in standby mode of operation • during operation  power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit  Response times  ON-delay time  OFF-delay time  mounting position • recommended  fastening method  height  width  depth  Ambient conditions installation altitude at height above sea level maximum | 30 V 26.5 V 31.6 V  DC 20.4 28.8 V  24 V 20.4 28.8 V  100 mA 0.6 A  1.9584 W 2.1888 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm |

| <ul> <li>during operation</li> </ul>                                 | -25 +55 °C                            |
|--|---------------------------------------|
| during storage   | -40 +70 °C                            |
| during transport   | -40 +70 °C                            |
| relative humidity during operation                                   | 10 95 %                               |
| protocol is supported  |                                       |
| <ul> <li>PROFIBUS DP protocol</li> </ul>                             | No                                    |
| <ul> <li>PROFINET protocol</li> </ul>                                | No                                    |
| design of the interface  |                                       |
| AS-Interface protocol  | Yes                                   |
| PROFINET protocol  | No                                    |
| PROFIBUS DP protocol   | No                                    |
| product function bus communication                                   | Yes                                   |
| protocol is supported AS-Interface protocol                          | Yes                                   |
| product function control circuit interface with IO link              | No                                    |
| type of electrical connection of the communication interface         | M12 plug                              |
| type of electrical connection  |                                       |
| for main current circuit   | plug according to ISO 23570, HAN Q4/2 |
| for auxiliary and control circuit                                    | connector                             |
| type of electrical connection  |                                       |
| 1 for digital input signals  | M12 socket                            |
| 1 for digital output signals   | M12 socket                            |
| 2 for digital input signals  | M12 socket                            |
| 3 for digital input signals  | M12 socket                            |
| <ul> <li>4 for digital input signals</li> </ul>                      | M12 socket                            |
| type of electrical connection  |                                       |
| <ul> <li>at the manufacturer-specific device interface</li> </ul>    | optical interface                     |
| <ul> <li>for device addressing</li> </ul>                            | M12 plug                              |
| <ul> <li>for supply voltage line-side</li> </ul>                     | M12 plug                              |
| full-load current (FLA) for 3-phase AC motor at 480 V rated value    | 7.6 A                                 |
| yielded mechanical performance [hp]                                  |                                       |
| • for 3-phase AC motor   |                                       |
| — at 220/230 V rated value   | 2 hp                                  |
| — at 460/480 V rated value   | 5 hp                                  |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 480 V                                 |
| Certificates/ approvals  |                                       |

Certificates/ approvals

**General Product Approval** 

**EMC** 



Confirmation









**Declaration of Conformity** 

**Test Certificates** 

other





Type Test Certificates/Test Report



Confirmation

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

com/cs/ww/en/view/109813875

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

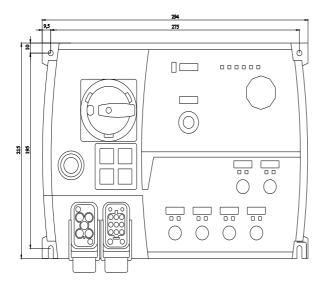
https://www.siemens.com/ic10

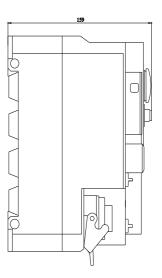
Industry Mall (Online ordering system)

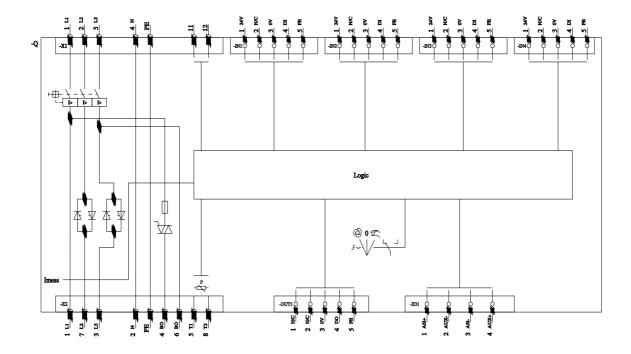
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6NS71-2AA3

Cax online generator

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RK1315-6NS71-2AA3&lang=en







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