3RK1395-6LS71-1AD3

**Data sheet** 



SIRIUS motor starter M200D Technology module Reversing starter Electronic switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 400 V AC 4 DI / 2 DO Han Q4/2 - Han Q8/0 via communication module 3RK1305\* can be used on PROFIBUS or PROFINET

| product brand name   | SIRIUS  |
|--|---|
| product designation  | Motor starters  |
| design of the product  | reversing starter   |
| product type designation   | M200D   |
| product function   |   |
| on-site operation  | No  |
| <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   | No  |
| reverse starting   | Yes   |
| 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   |   |

| <ul> <li>due to burst according to IEC 61000-4-4</li> </ul>   | 2 kV network connection / 1 kV control connection  |
|---|--|
| <ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>   | 2 kV   |
| due to conductor-conductor surge according to IEC     61000 4 5   | 1 kV   |
| 61000-4-5   | £  |
| touch protection against electrical shock   | finger-safe  |
| Main circuit  |  |
| number of poles for main current circuit  | 3  |
| design of the switching contact   | solid-state / thyristor / 2 phases   |
| adjustable current response value current of the current-<br>dependent overload release   | 1.5 12 A   |
| type of the motor protection  | full motor protection  |
| operating voltage rated value   | 200 440 V  |
| operational current   |  |
| at AC at 400 V rated value  | 12 A   |
| <ul> <li>at AC-3 at 400 V rated value</li> </ul>  | 12 A   |
| operating power   |  |
| • at AC-3   |  |
| — at 400 V rated value  | 5.5 kW   |
| — at 500 V rated value  | 5 500 W  |
| • at AC-3e  |  |
| — at 400 V rated value  | 6 kW   |
| — at 500 V rated value  | 5.5 kW   |
| product function  |  |
| <ul> <li>digital inputs parameterizable</li> </ul>  | Yes  |
| digital outputs parameterizable   | Yes  |
| number of digital inputs  | 4  |
| number of sockets   |  |
| <ul> <li>for digital output signals</li> </ul>  | 2  |
| for digital input signals   | 4  |
| number of digital outputs   | 2  |
| Supply voltage  |  |
| type of voltage of the supply voltage   | DC   |
| Control circuit/ Control  |  |
| type of voltage of the control supply voltage   | DC   |
| control supply voltage 1  |  |
| at DC rated value   | 20.4 28.8 V  |
| • at DC   | 20.4 28.8 V  |
| control current at DC   |  |
|   |  |
| • in standby mode of operation  | 100 mA   |
| <ul><li>in standby mode of operation</li><li>during operation</li></ul>   | 100 mA<br>0.6 A  |
| in standby mode of operation     during operation  power loss [W] in auxiliary and control circuit  | 0.6 A  |
| in standby mode of operation     during operation  power loss [W] in auxiliary and control circuit     in switching state OFF with bypass circuit   | 0.6 A<br>2.7936 W  |
| <ul> <li>in standby mode of operation</li> <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> </ul>  | 0.6 A  |
| 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   | 0.6 A<br>2.7936 W<br>9.216 W   |
| in standby mode of operation during operation  ouring 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  | 0.6 A  2.7936 W  9.216 W   |
| 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  | 0.6 A  2.7936 W  9.216 W  25 ms  35 ms   |
| 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   | 0.6 A  2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat  |
| in standby mode of operation during operation  our 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   | 0.6 A  2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal   |
| 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   | 0.6 A  2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing  |
| in standby mode of operation during operation  ouring 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  | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm  |
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| in standby mode of operation during operation  ouring 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  | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm   |
| in standby mode of operation during operation  ouring 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  ambient temperature  | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm  |
| in standby mode of operation during 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  ambient temperature during operation   | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm  |
| in standby mode of operation during operation  our 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 ambient temperature during operation during storage   | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm  2 000 m  -25 +55 °C -40 +70 °C            |
| in standby mode of operation during operation  ouring 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  ambient temperature  during operation  during storage  during transport                                       | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm  2 000 m  -25 +55 °C -40 +70 °C            |
| in standby mode of operation during operation  outring 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  ambient temperature  during operation  during storage  during transport  relative humidity during operation | 2.7936 W 9.216 W  25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm  2 000 m  -25 +55 °C -40 +70 °C            |
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| PROFINET protocol  | No                                    |
|--|---------------------------------------|
| design of the interface  |                                       |
| AS-Interface protocol  | No                                    |
| PROFINET protocol  | No                                    |
| PROFIBUS DP protocol   | No                                    |
| product function bus communication                                   | Yes                                   |
| protocol is supported AS-Interface protocol                          | No                                    |
| product function control circuit interface with IO link              | No                                    |
| type of electrical connection  |                                       |
| for main current circuit   | plug according to ISO 23570, HAN Q4/2 |
| <ul> <li>for auxiliary and control circuit</li> </ul>                | connector                             |
| type of electrical connection  |                                       |
| 1 for digital input signals  | M12 socket                            |
| <ul> <li>1 for digital output signals</li> </ul>                     | 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                            |
| full-load current (FLA) for 3-phase AC motor at 480 V rated value    | 11 A                                  |
| yielded mechanical performance [hp]                                  |                                       |
| • for 3-phase AC motor   |                                       |
| — at 220/230 V rated value   | 3 hp                                  |
| — at 460/480 V rated value   | 7.5 hp                                |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 480 V                                 |
| Partificator/ 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

https://support.industry.siemens.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=3RK1395-6LS71-1AD3

Cax online generator

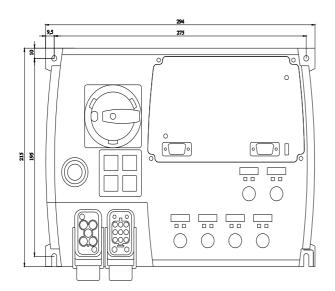
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6LS71-1AD3

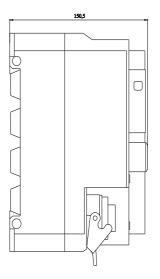
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

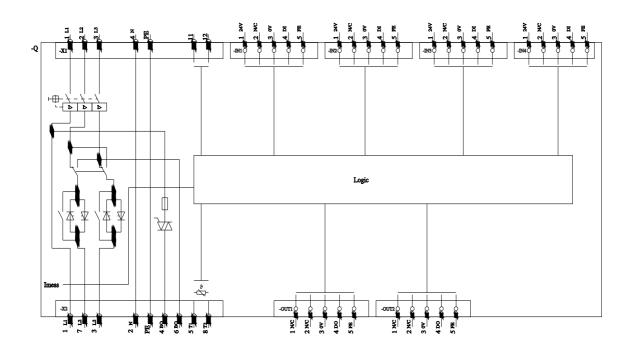
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1395-6LS71-1AD3&lang=en







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