SIEMENS

Data sheet



SIRIUS motor starter M200D Technology module DOL starter Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 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 | direct starter |
| product type designation | M200D |
| product function | |
| on-site operation | No |
| control circuit interface to parallel wiring | 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 | |
| between main and auxiliary circuit | 400 V |
| between control and auxiliary circuit | 24 V |
| protection class IP | IP65 |
| shock resistance | 12g / 11 ms |
| mechanical service life (operating cycles) of the main contacts typical | 10 000 000 |
| type of assignment | 1 |
| certificate of suitability | CE |
| Substance Prohibitance (Date) | 07/01/2006 |
| SVHC substance name | Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 |
| product function | |
| direct start | Yes |
| reverse starting | No |
| product component motor brake output | No |
| product feature | |
| brake control with 230 V AC | No |
| brake control with 400 V AC | No |
| brake control with 24 V DC | No |
| brake control with 180 V DC | No |
| brake control with 500 V DC | 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 | 50 000 A |
| EMC emitted interference according to IEC 60947-1 | CISPR11, ambience A (industrial sector) |
| | |

| conducted interference | |
|--|---|
| due to burst according to IEC 61000-4-4 | 2 kV network connection / 1 kV control connection |
| due to conductor-earth surge according to IEC 61000-4-5 | 2 kV |
| due to conductor-conductor surge according to IEC 61000-4-5 | 1 kV |
| touch protection against electrical shock | finger-safe |
| Main circuit | |
| number of poles for main current circuit | 3 |
| design of the switching contact | electromechanical |
| adjustable current response value current of the current- 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 |
| • at AC-3 at 400 V rated value | 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 | 5.5 |
| digital inputs parameterizable | Yes |
| digital imputs parameterizable digital outputs parameterizable | Yes |
| number of digital inputs | res 4 |
| number of digital inputs number of sockets | - |
| | 2 |
| for digital input signals for digital input signals | 2 |
| • for digital input signals | 2 |
| number of digital outputs | ۷ |
| Supply voltage | |
| Supply voltage | DC . |
| type of voltage of the supply voltage | DC |
| type of voltage of the supply voltage Control circuit/ Control | |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage | DC DC |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 | DC |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value | DC 20.4 28.8 V |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC | DC |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC | DC 20.4 28.8 V 20.4 28.8 V |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation | DC 20.4 28.8 V 20.4 28.8 V 100 mA |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation | DC 20.4 28.8 V 20.4 28.8 V |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 ambient temperature • during operation | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 ambient temperature • during operation • during storage | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 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 ambient temperature during operation during storage during transport | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C -40 +70 °C |
| type of voltage of the supply voltage Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 ambient temperature • during operation • during storage | DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C |

| PROFIBUS DP protocol | No |
|--|---------------------------------------|
| 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 |
| 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 |
| 4 for digital input signals | 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 |
| — at 575/600 V rated value | 10 hp |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 600 V |
| Certificates/ approvals | |

®

Confirmation









EMC

Declaration of Conformity

General Product Approval

Test Certificates

other

Dangerous Good





Type Test Certificates/Test Report

Confirmation



Transport Information

Further information

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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1395-6LS41-0AD0}$

Cax online generator

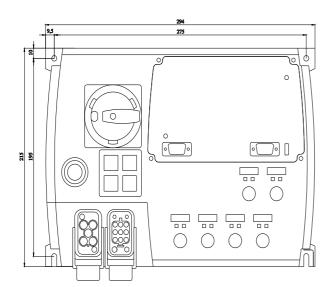
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6LS41-0AD0

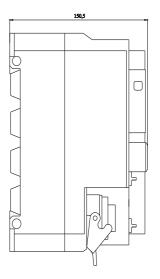
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

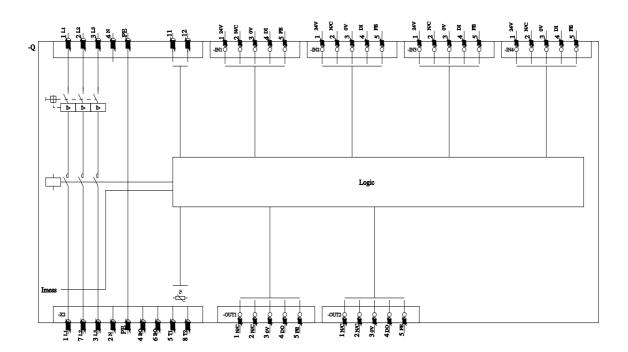
https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6LS41-0AD0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6LS41-0AD0&lang=en







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