



SIRIUS motor starter M200D technology module reversing starter electronic switching AC-3, 0.75 kW/400 V 0.15 A...2.00 A electronic overload protection thermistor: thermoclock / PTC with brake contact 180 V DC 4 DI / 2 DO Han Q4/2 - Han Q8/0 via communications 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 |
| • 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 |
| shock resistance | 12g / 11 ms |
| vibration resistance | 7 mm / 2g |
| type of coordination | 1 |
| Substance Prohibition (Date) | 07/01/2006 |
| SVHC substance name | Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 |
| Weight | 4.179 kg |
| product function | |
| • direct start | No |
| • reverse starting | Yes |
| product component motor brake output | Yes |
| 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 | Yes |
| • 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 | 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 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
- due to conductor-conductor surge according to IEC 61000-4-5

2 kV
1 kV

Safety related data

proportion of dangerous failures

- with low demand rate according to SN 31920 50 %
- with high demand rate according to SN 31920 75 %

B10 value with high demand rate according to SN 31920 1 000 000

failure rate [FIT] with low demand rate according to SN 31920 100 FIT

IEC 61508

T1 value for proof test interval or service life according to IEC 61508 20 a

Electrical Safety

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-dependent overload release 0.15 ... 2 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 2 A
- at AC-3 at 400 V rated value 2 A

operating power

- at AC-3
 - at 400 V rated value 0.75 kW
 - at 500 V rated value 750 W
- at AC-3e
 - at 400 V rated value 1 kW
 - at 500 V rated value 0.75 kW

product function

- digital inputs parameterizable Yes
- digital outputs parameterizable Yes

number of digital inputs 4

number of sockets

- for digital output signals 2
- for digital input signals 4

number of digital outputs 2

Supply voltage

type of voltage of the supply voltage DC

supply voltage 1 at DC 24 V

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

control supply voltage 1 at DC 20.4 ... 28.8 V

control current at DC

- in standby mode of operation 100 mA
- during operation 600 mA

power loss [W] in auxiliary and control circuit

- in switching state OFF with bypass circuit 2.7936 W
- in switching state ON with bypass circuit 7.92 W

Response times

ON-delay time 25 ms

OFF-delay time 35 ms

mounting position vertical, horizontal, flat

mounting position recommended horizontal

fastening method screw fixing

height 215 mm

width 294 mm

depth 148 mm

| Ambient conditions | |
|--|---------------------------------------|
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| • during operation | -25 ... +55 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |
| relative humidity during operation | 10 ... 95 % |
| protocol is supported | |
| • 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 | 1.6 A |
| yielded mechanical performance [hp] | |
| • for 3-phase AC motor | |
| — at 460/480 V rated value | 0.7 hp |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 480 V |

Approvals Certificates

| | |
|--------------------------|-----|
| General Product Approval | EMV |
|--------------------------|-----|



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|-------------------|-------|-----------------|-------------|--------------------------|
| Test Certificates | other | Dangerous goods | Environment | Industrial Communication |
|-------------------|-------|-----------------|-------------|--------------------------|

[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Transport Information](#)

[Environmental Confirmations](#)



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3RK1395-6KS71-1AD5>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6KS71-1AD5>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6KS71-1AD5>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6KS71-1AD5&lang=en



