SIEMENS

## Data sheet 3RK1315-6KS41-0AA0



SIRIUS motor starter M200D AS-i communication: AS-Interface direct-on-line starter basic mechanical switching AC-3, 0.75 kW/400 V 0.15 A...2.00 A electronic overload protection thermistor: thermoclick / PTC without brake contact 2 DI AS-i + 2 DI / 1 DO on device Han Q4/2 - Han Q8/0

| | |
|---|---|
| **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 |
| **shock resistance** | 12 g / 11 ms |
| **vibration resistance** | 7 mm / 2 g |
| mechanical service life (operating cycles) of the main contacts typical | 10 000 000 |
| **type of coordination** | 2 |
| **Substance Prohibitance (day/month/year)** | 07/01/2006 |
| **SVHC substance name** | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1<br>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 |
| **Net Weight** | 2.792 kg |
| **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 |


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|---|---|
| ● at 500 V rated value | 50 000 A |
| EMC emitted interference according to IEC 60947-1 | CISPR11, ambience A (industrial sector) |
| 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 | 2 kV |
| ● due to conductor-conductor surge according to IEC 61000-4-5 | 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** | electromechanical |
| **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 | No |
| ● digital outputs parameterizable | No |
| **number of digital inputs** | 4 |
| **number of sockets** | |
| ● for digital output signals | 1 |
| ● for digital input signals | 4 |
| **number of digital outputs** | 1 |
| **Supply voltage** | |
| **type of voltage of the supply voltage** | DC |
| **supply voltage 1 at DC** | 24 V |
| **supply voltage 1 at DC rated value** | 30 V |
| ● minimum permissible | 26.5 V |
| ● maximum permissible | 31.6 V |
| **Control circuit/ Control** | |
| **type of voltage of the control supply voltage** | DC |
| **control supply voltage at DC rated value** | 20.4 ... 28.8 V |
| **control supply voltage 1 at DC rated value** | 24 V |
| **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 |


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| | |
|---|---|
| **power loss [W] in auxiliary and control circuit** | |
| ● in switching state OFF with bypass circuit | 2.0736 W |
| ● in switching state ON with bypass circuit | 4.1184 W |
| **Response times** | |
| **ON-delay time** | 85 ms |
| **OFF-delay time** | 65 ms |
| **mounting position** | vertical, horizontal, flat |
| **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 |
| **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 | 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 |
| ● 4 for digital input signals | M12 socket |
| **type of electrical connection** | |
| ● at the manufacturer-specific device interface | optical interface |
| ● for device addressing | M12 plug |
| ● for supply voltage line-side | M12 plug |
| 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 |
| — at 575/600 V rated value | 1 hp |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 600 V |

**Approvals Certificates**

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


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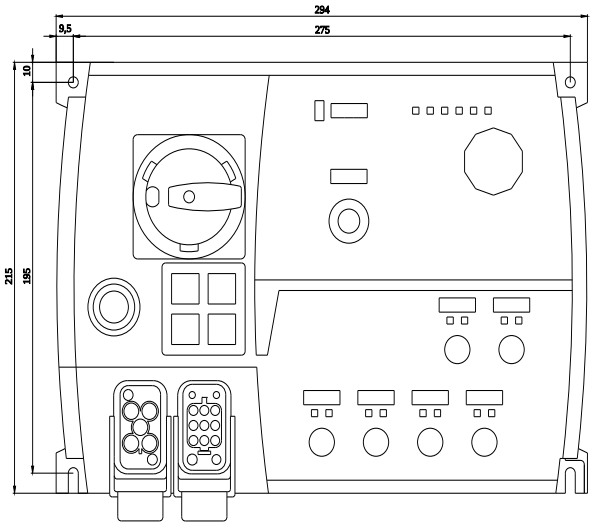
| EMV | Test Certificates | other | | Dangerous goods | Environment |
|---|---|---|---|---|---|
| RCM | Type Test Certific-ates/Test Report | Confirmation | 产品合格 QC PASS | Transport Information | Environmental Con-firmations |

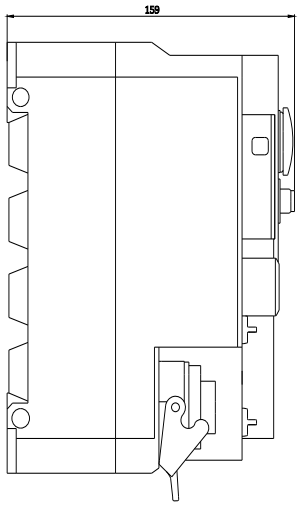
## Industrial Communication

ASi

## Further information

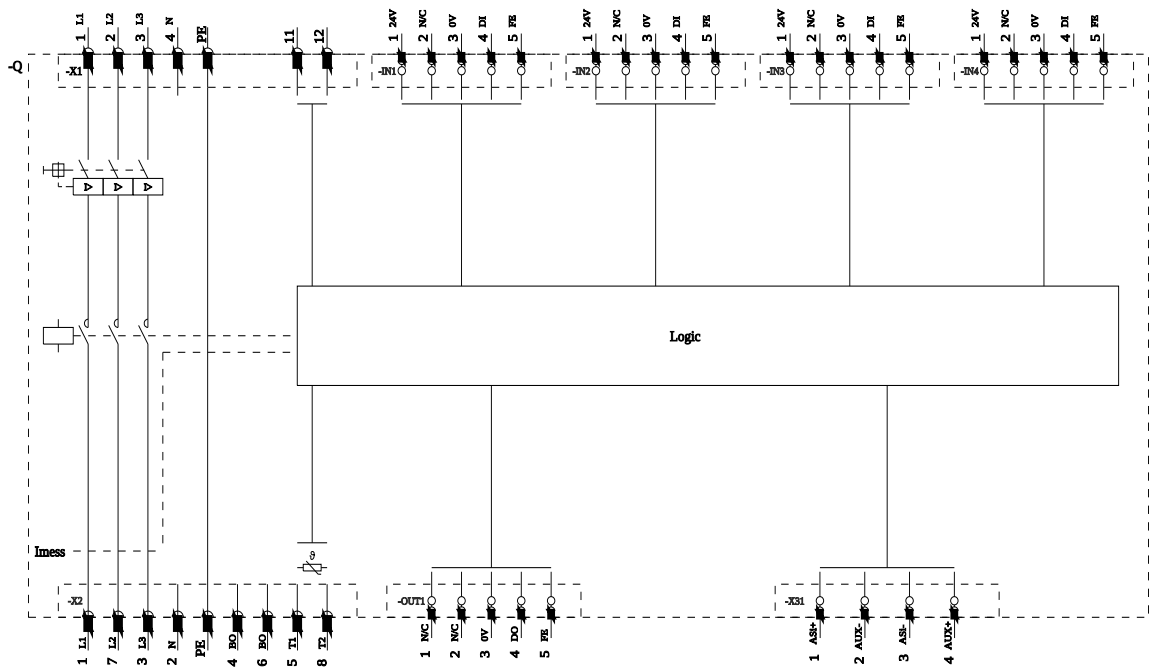
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