



SIRIUS MOTOR STARTER M200D AS-I
 COMMUNICATION: AS-INTERFACE DIRECT ON-LINE
 STARTER STANDARD MECHANICAL SWITCHING 3 400V
 AC/0,9KW;
 0,15A...2,00A;
 ELECTRONIC OVERLOAD PROTECTION;
 THERMISTOR: THERMOCLICK / PTC WITHOUT BRAKE
 CONTACT 4DI / 1DO AS-I HAN Q4/2 - HAN Q8/0 WITH
 OPERATOR TERMINAL AND KEY-OPERATED SWITCH

General technical data:

| | | |
|---|--|------------------------------------|
| product brand name | | SIRIUS |
| product designation | | motor starter M200D, AS-i Standard |
| Design of the product | | direct starter |
| Product function | | |
| • direct start | | Yes |
| • reverse starting | | No |
| • short circuit protection | | Yes |
| • bus-communication | | Yes |
| Design of the switching contact | | electromechanical |
| Product component / outlet for enine brake | | No |
| Trip class | | CLASS 5, 10, 15, 20 |
| Type of assignment | | 2 |
| Product equipment | | |
| • 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 |

| | | |
|---|----|--------------|
| Impulse voltage resistance / rated value | V | 6,000 |
| Start-up delay time | ms | 85 |
| Switch-off delay time | ms | 65 |
| Insulation voltage / rated value | V | 500 |
| Active power loss / typical | W | 30 |
| Maximum permissible voltage for safe disconnection | | |
| • between main circuit and auxiliary circuit | V | 400 |
| • between control and auxiliary circuit | V | 24 |
| Item designation | | |
| • according to DIN EN 61346-2 | | Q |
| Type of mounting | | screw fixing |
| Width | mm | 294 |
| Height | mm | 215 |
| Depth | mm | 159 |

| | | |
|--|----|-----------------------|
| Main circuit: | | |
| Operating voltage | | |
| • rated value | V | 360 ... 440 |
| Adjustable response current | | |
| • of the current-dependent overload release | A | 0.15 ... 2 |
| Operating current / at AC-3 / at 400 V | | |
| • rated value | A | 2 |
| Service power / for three-phase servomotors / at 400 V / at 50 Hz | | |
| • minimum | kW | 0.06 ... 0.75 |
| Service power / at AC-3 | | |
| • at 400 V / rated value | kW | 0.75 |
| • at 500 V / rated value | W | 750 |
| Number of poles / for main current circuit | | 3 |
| Design of the short-circuit protection | | circuit-breakers |
| Breaking capacity limit short-circuit current (I_{cu}) | | |
| • at 400 V / rated value | A | 50,000 |
| • at 500 V / rated value | A | 50,000 |
| Type of the motor protection | | full motor protection |

| | | |
|--|---|------|
| Control circuit: | | |
| Type of voltage / of the controlled supply voltage | | DC |
| Control supply voltage / 1 / for DC / rated value | V | 24 |
| Control supply voltage / 1 / for DC / rated value / permissible minimum | V | 20.4 |
| Control supply voltage / 1 / for DC / rated value / permissible maximum | V | 28.8 |

| | | |
|--|--|-----------|
| Design of the electrical connection / for auxiliary and control current circuit | | connector |
|--|--|-----------|

| | | |
|--|---|----------|
| Supply voltage: | | |
| Type of voltage / of supply voltage | | DC |
| Supply voltage / 1 / for DC / rated value | V | 30 |
| • permissible minimum | V | 26.5 |
| • permissible maximum | V | 31.6 |
| Design of the electrical connection / for supply voltage infeed | | M12 plug |

| | | |
|---|----|----------------------------|
| Ambient conditions: | | |
| Protection class IP | | IP65 |
| Ambient temperature | | |
| • during storage | °C | -40 ... +70 |
| • during operating | °C | -25 ... +55 |
| • during transport | °C | -40 ... +70 |
| Relative humidity | | |
| • during operating phase | % | 10 ... 95 |
| Resistance against vibration | | 7 mm / 2g |
| Resistance against shock | | 12g / 11 ms |
| Degree of pollution | | 3 |
| Installation altitude / at a height over sea level / maximum | m | 2,000 |
| mounting position | | vertical, horizontal, flat |
| mounting position / recommended | | horizontal |

| | | |
|--|--|-----|
| Communication: | | |
| Design of the interface | | |
| • AS interface protocol | | Yes |
| Protocol / is supported | | |
| • AS interface protocol | | Yes |
| Design of the interface | | |
| • PROFIBUS DP protocol | | No |
| Protocol / is supported | | |
| • PROFIBUS DP protocol | | No |
| Product function | | |
| • control circuit interface with IO link | | No |
| • control circuit interface to parallel wiring | | No |
| Design of the interface | | |
| • PROFINET protocol | | No |
| Protocol / is supported | | |
| • PROFINET protocol | | No |

| | | |
|--|---|---|
| Design of the electrical connection | | |
| • of the communication interface | | M12 plug |
| Connections: | | |
| Number of digital inputs | | 4 |
| Number of digital outputs | | 1 |
| Number of sockets | • for digital input signals | 4 |
| | • for digital output signals | 1 |
| Product function | • digital inputs parameterizable | Yes |
| | • digital outputs parameterizable | Yes |
| Design of the electrical connection | • 1 / for digital input signals | M12 socket |
| | • 2 / for digital input signals | M12 socket |
| | • 3 / for digital input signals | M12 socket |
| | • 4 / for digital input signals | M12 socket |
| | • 1 / for digital output signals | M12 socket |
| | | |
| Design of the electrical connection | • at the manufacturer-specific device interface | optical interface |
| | • for device addressing | M12 plug |
| Product function / on-site operation | | Yes |
| EMC: | | |
| EMC immunity to interference / according to IEC 60947-1 | | corresponds to degree of severity 3, ambience A (industrial sector) |
| Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4 | | 2 kV network connection / 1 kV control connection |
| Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5 | | 2 kV |
| Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5 | | 1 kV |
| EMC emitted interference / according to IEC 60947-1 | | CISPR11, ambience A (industrial sector) |
| Verification of suitability | | CE |
| Protection against electrical shock | | finger-safe |
| Certificates/approvals: | | |



CCC



CSA



GOST



UL



EG-Konf.

Test Certificates

other

[Type Test
Certificates/Test
Report](#)



ASi

Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAx-Online-Generator

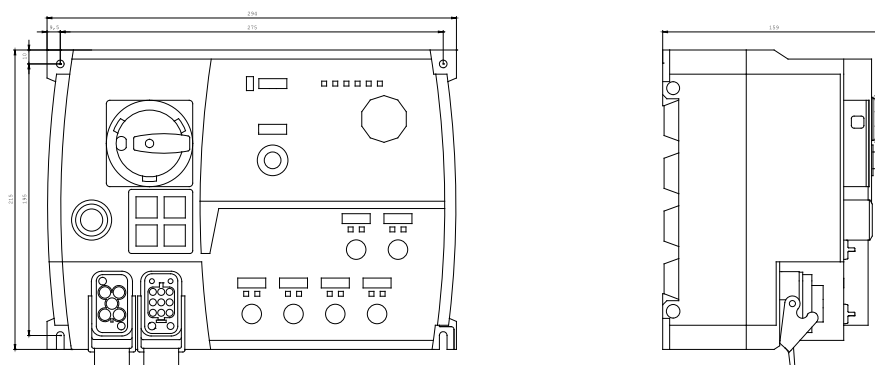
<http://www.siemens.com/cax>

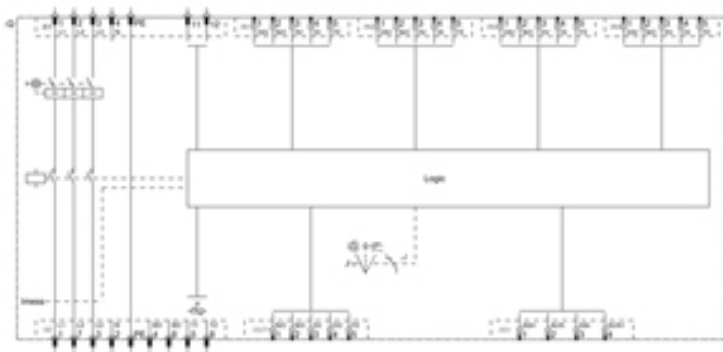
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RK1325-6KS41-2AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1325-6KS41-2AA0





last change:

Oct 21, 2013