



Figure similar

SIRIUS MOTOR STARTER M200D  
 TECHNOLOGIEMODUL DIRECT ON-LINE STARTER  
 MECHANICAL SWITCHING 3 400V AC/0,9KW;  
 0,15A...2,00A; ELECTRONIC OVERLOAD  
 PROTECTION; THERMISTOR: THERMOCLICK / PTC  
 WITHOUT BRAKE CONTACT 4DI / 2DO HAN Q4/2 -  
 HAN Q8/0 USING A COMMUNICATION MODULE  
 3RK1305\* USABLE WITH PROFIBUS OR PROFINET

### General technical data:

|   |    |                            |
|---|----|----------------------------|
| <b>product brand name</b>                                 |    | SIRIUS                     |
| <b>Product designation</b>                                |    | motor starter module M200D |
| <b>Design of the product</b>                              |    | direct starter             |
| <b>Product function</b>                                   |    |                            |
| • direct start  |    | Yes                        |
| • reverse starting  |    | No                         |
| • Short circuit protection                                |    | Yes                        |
| • Bus communication                                       |    | Yes                        |
| <b>Design of the switching contact</b>                    |    | electromechanical          |
| <b>Product component Motor brake output</b>               |    | No                         |
| <b>Trip class</b>   |    | CLASS 5, 10, 15, 20        |
| <b>Type of assignment</b>                                 |    | 2                          |
| <b>Product feature</b>                                    |    |                            |
| • 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                         |
| <b>Product expansion braking module for brake control</b> |    | No                         |
| <b>Surge voltage resistance Rated value</b>               | V  | 6 000                      |
| <b>Switch-on delay time</b>                               | ms | 85                         |
| <b>OFF-delay time</b>                                     | ms | 65                         |
| <b>Insulation voltage Rated value</b>                     | V  | 500                        |
| <b>Active power loss typical</b>                          | W  | 30                         |

|   |    |              |
|---|----|--------------|
| <b>maximum permissible voltage for safe isolation</b> |    |              |
| • between main and auxiliary circuit                  | V  | 400          |
| • between control and auxiliary circuit               | V  | 24           |
| <b>Equipment marking acc. to DIN EN 61346-2</b>       |    | Q            |
| <b>Mounting type</b>                                  |    | screw fixing |
| <b>Width</b>  | mm | 294          |
| <b>Height</b>   | mm | 215          |
| <b>Depth</b>  | mm | 148          |

|   |    |                       |
|---|----|-----------------------|
| <b>Main circuit:</b>  |    |                       |
| Operating voltage Rated value   | V  | 360 ... 440           |
| Adjustable response value current of the current-dependent overload release | A  | 0.15 ... 2            |
| Operating current at AC-3 at 400 V Rated value                              | A  | 2                     |
| <b>Operating power for three-phase motors at 400 V at 50 Hz</b>             | kW | 0.06 ... 0.75         |
| Operating power at AC-3   |    |                       |
| • at 400 V Rated value  | kW | 0.75                  |
| • at 500 V Rated value  | W  | 750                   |
| <b>Number of poles for main current circuit</b>                             |    | 3                     |
| <b>Design of short-circuit protection</b>                                   |    | circuit-breakers      |
| <b>Maximum short-circuit current breaking capacity (Icu)</b>                |    |                       |
| • at 400 V Rated value  | A  | 50 000                |
| • at 500 V Rated value  | A  | 50 000                |
| <b>Type of the motor protection</b>   |    | full motor protection |

|  |   |           |
|--|---|-----------|
| <b>Control circuit/ Control:</b>   |   |           |
| <b>Type of voltage of the control supply voltage</b>                           |   | DC        |
| <b>Control supply voltage 1 for DC Rated value</b>                             | V |           |
| • minimum permissible  | V | 20.4      |
| • maximum permissible  | V | 28.8      |
| <b>Type of electrical connection for auxiliary and control current circuit</b> |   | connector |

|  |  |    |
|--|--|----|
| <b>Supply voltage:</b>                       |  |    |
| <b>Type of voltage of the supply voltage</b> |  | DC |

|                                    |    |             |
|------------------------------------|----|-------------|
| <b>Ambient conditions:</b>         |    |             |
| <b>Protection class IP</b>         |    | IP65        |
| <b>Ambient temperature</b>         |    |             |
| • during storage                   | °C | -40 ... +70 |
| • during operation                 | °C | -25 ... +55 |
| • during transport                 | °C | -40 ... +70 |
| Relative humidity during operation | %  | 10 ... 95   |
| <b>Vibration resistance</b>        |    | 7 mm / 2g   |
| <b>Shock resistance</b>            |    | 12g / 11 ms |

|   |   |                            |
|---|---|----------------------------|
| Degree of pollution                                     |   | 3                          |
| Installation altitude at height above sea level maximum | m | 2 000                      |
| mounting position                                       |   | vertical, horizontal, flat |
| mounting position recommended                           |   | horizontal                 |

#### Communication/ Protocol:

|  |  |    |
|--|--|----|
| Design of the interface AS-interface protocol  |  | No |
| Protocol is supported AS-interface protocol    |  | No |
| Design of the interface PROFIBUS DP protocol   |  | No |
| Protocol is supported PROFIBUS DP protocol     |  | No |
| <b>Product function</b>                        |  |    |
| • 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 |

#### Connections/ Terminals:

|   |  |            |
|---|--|------------|
| <b>Number of digital inputs</b>           |  | 4          |
| <b>Number of digital outputs</b>          |  | 2          |
| <b>Number of sockets</b>                  |  |            |
| • for digital input signals               |  | 4          |
| • for digital output signals              |  | 2          |
| <b>Product function</b>                   |  |            |
| • digital inputs parameterizable          |  | Yes        |
| • digital outputs parameterizable         |  | Yes        |
| <b>Type of electrical connection</b>      |  |            |
| • 1                                       |  |            |
| — for digital input signals               |  | M12 socket |
| — 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 |
| <b>Product function on-site operation</b> |  | No         |

#### Electromagnetic compatibility:

|  |  |   |
|--|--|---|
| <b>EMI immunity acc. to IEC 60947-1</b>  |  | corresponds to degree of severity 3, ambience A (industrial sector) |
| <b>Conducted interference due to burst acc. to IEC 61000-4-4</b>                     |  | 2 kV network connection / 1 kV control connection                   |
| <b>Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5</b>     |  | 2 kV  |
| <b>Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5</b> |  | 1 kV  |
| <b>EMC emitted interference acc. to IEC 60947-1</b>                                  |  | CISPR11, ambience A (industrial sector)                             |

|                                     |             |
|-------------------------------------|-------------|
| Certificate of suitability          | CE          |
| Protection against electrical shock | finger-safe |

Certificates/ approvals:

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



|                   |       |
|-------------------|-------|
| Test Certificates | other |
|-------------------|-------|

[Type Test Certificates/Test Report](#)

[Environmental Confirmations](#)



Profibus

Further information

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

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

**Industry Mall (Online ordering system)**

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

**Cax online generator**

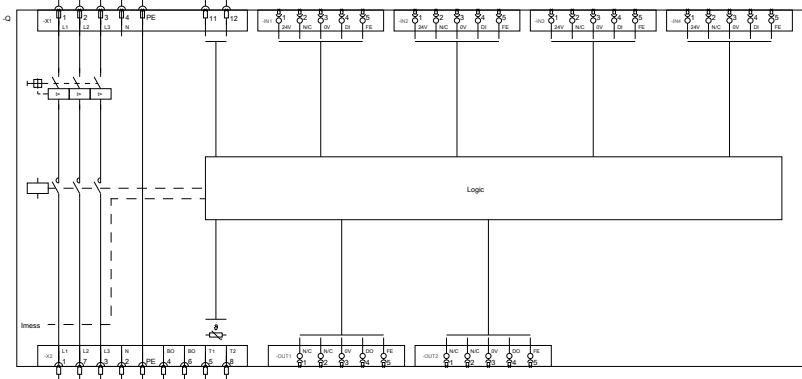
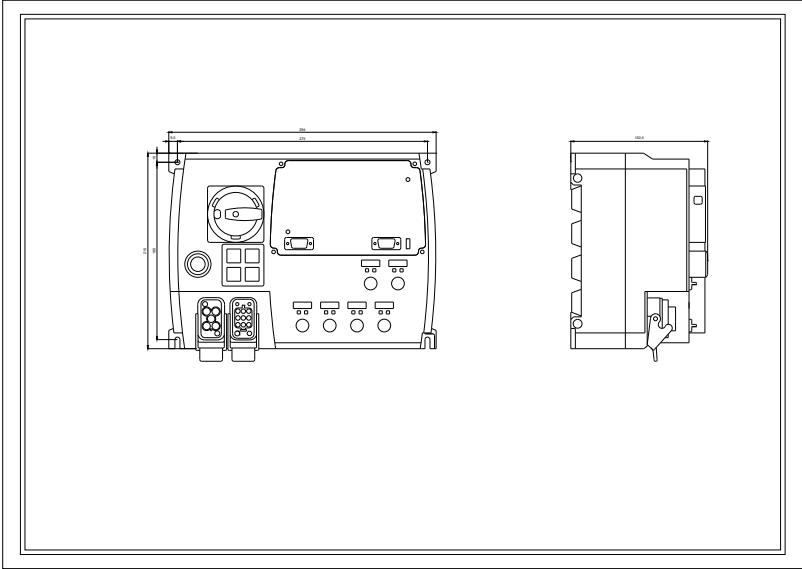
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13956KS410AD0>

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

<http://support.automation.siemens.com/WW/view/en/3RK13956KS410AD0/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK13956KS410AD0&lang=en>



last modified:

17.01.2015