



Figure similar

SIRIUS MOTOR STARTER M200D TECHNOLOGY
 MODULE DIRECT ON-LINE STARTER MECHANICAL
 SWITCHING 3 400V AC/0,9KW; 0,15A...2,00A;
 ELECTRONIC OVERLOAD PROTECTION;
 THERMISTOR: THERMOCLICK / PTC WITH BRAKE
 CONTACT 400V AC 4DI / 2DO HAN Q4/2 - HAN Q8/0
 WITH OPERATOR TERMINAL AND KEY-OPERATED
 SWITCH USING A COMMUNICATION MODULE
 3RK1305* USABLE WITH PROFIBUS OR PROFINET

| General technical data: | | |
|--|----|----------------------------|
| product brand name | | SIRIUS |
| Product designation | | motor starter module M200D |
| 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 Motor brake output | | Yes |
| Trip class | | CLASS 5, 10, 15, 20 |
| Type of assignment | | 2 |
| Product feature | | |
| • brake control with 230 V AC | | Yes |
| • brake control with 400 V AC | | Yes |
| • brake control with 24 V DC | | No |
| • brake control with 180 V DC | | No |
| • brake control with 500 V DC | | No |
| Product expansion braking module for brake control | | No |
| Surge voltage resistance Rated value | V | 6 000 |
| Switch-on delay time | ms | 85 |
| OFF-delay time | ms | 65 |
| Insulation voltage Rated value | V | 500 |
| Active power loss typical | W | 30 |

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

Main circuit:

| | | |
|---|----|-----------------------|
| 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 |
| Operating power for three-phase motors at 400 V at 50 Hz | 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 |
| Number of poles for main current circuit | | 3 |
| Design of short-circuit protection | | circuit-breakers |
| Maximum short-circuit current breaking capacity (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/ Control:

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

Supply voltage:

| | | |
|--|--|----|
| Type of voltage of the supply voltage | | DC |
|--|--|----|

Ambient conditions:

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

Connections/ Terminals:

| | | |
|---|--|------------|
| Number of digital inputs | | 4 |
| Number of digital outputs | | 2 |
| Number of sockets | | |
| • for digital input signals | | 4 |
| • for digital output signals | | 2 |
| Product function | | |
| • digital inputs parameterizable | | Yes |
| • digital outputs parameterizable | | Yes |
| Type of electrical connection | | |
| • 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 |
| Product function on-site operation | | Yes |

Electromagnetic compatibility:

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

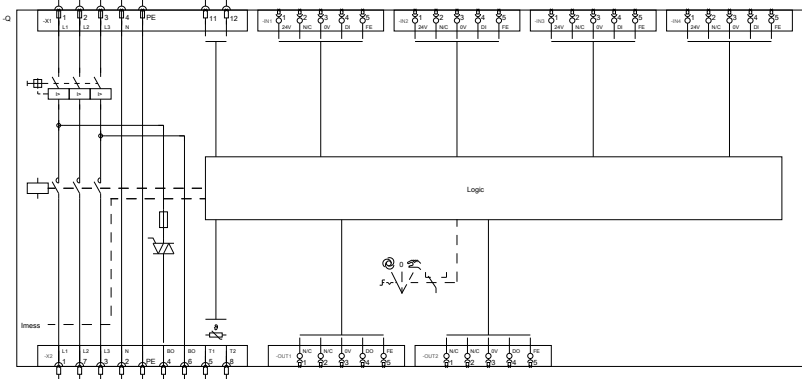
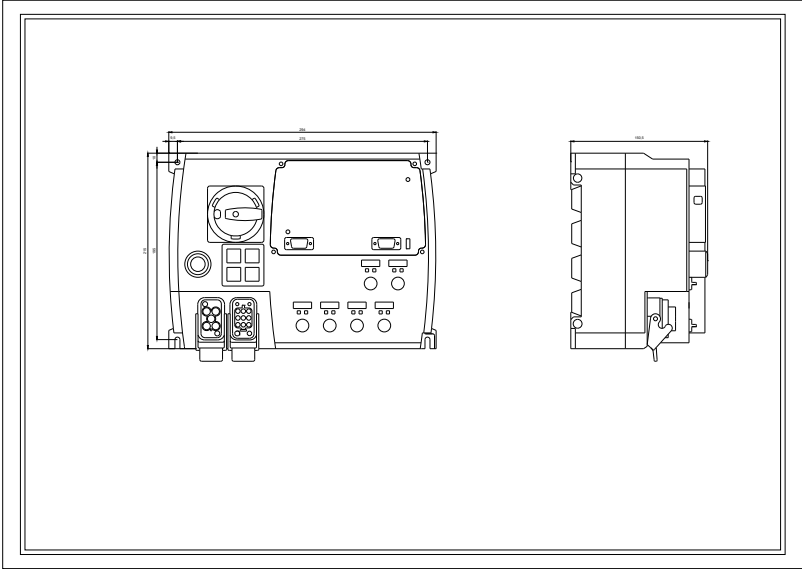
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13956KS412AD3>

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

<http://support.automation.siemens.com/WW/view/en/3RK13956KS412AD3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK13956KS412AD3&lang=en>



last modified:

17.01.2015