



RS1E-X FOR ET200S HIGH FEATURE REVERSING STARTER SETTING RANGE 2.4...16A MECHANICAL SWITCHING ELECTRONIC PROTECTION AC-3/TO 7.5KW/400V EXPANDABLE FOR BRAKE CONTROL MODULE 2DI MODULE 2DI MODULE MOTORSTARTER ES SIGNAL FROM CIRCUIT-BREAKER PARAMETERIZABLE DPV 1 CAPABLE PROFIENERGY CAPABLE ON PN

| General technical data: | | |
|---|----|-----------------------|
| product brand name | | Sirius |
| Product designation | | motor starter ET 200S |
| Design of the product | | reversing starter |
| Product function | | |
| • Bus communication | | Yes |
| • direct start | | No |
| • reverse starting | | Yes |
| • on-site operation | | Yes |
| • Short circuit protection | | 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 | | No |
| • 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 | | Yes |
| Surge voltage resistance Rated value | kV | 6 |
| Insulation voltage Rated value | V | 500 |
| Active power loss typical | W | 11 |
| maximum permissible voltage for safe isolation between main and auxiliary circuit | V | 400 |

| | | |
|---|----|-------------------------------------|
| Equipment marking acc. to DIN EN 61346-2 | | Q |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | | A |
| Mounting type | | Can be plugged into terminal module |
| Depth | mm | 150 |
| Height | mm | 290 |
| Width | mm | 130 |

Main circuit:

| | | |
|---|----|------------------|
| Operating voltage Rated value | V | 400 ... 500 |
| Adjustable response value current of the current-dependent overload release | A | 2.4 ... 16 |
| Operating power | | |
| • at AC-3 at 400 V Rated value | kW | 7.5 |
| • for three-phase motors at 400 V at 50 Hz minimum | kW | 1.1 |
| • for three-phase motors at 400 V at 50 Hz maximum | kW | 7.5 |
| Maximum short-circuit current breaking capacity (Icu) at 400 V Rated value | kA | 50 |
| Design of short-circuit protection | | circuit-breakers |
| Number of poles for main current circuit | | 3 |
| Type of the motor protection | | solid-state |
| Mechanical service life (switching cycles) of the main contacts typical | | 100 000 |

Control circuit/ Control:

| | | |
|--|---|---------------|
| Type of voltage of the control supply voltage | | DC |
| Control supply voltage 1 for DC | V | 24 ... 24 |
| Control supply voltage 1 for DC Rated value | V | 20.4 ... 28.8 |

Supply voltage:

| | | |
|--|---|---------------|
| Type of voltage of the supply voltage | | DC |
| Supply voltage 1 for DC | V | 24 ... 24 |
| Supply voltage 1 for DC Rated value | V | 20.4 ... 28.8 |

Ambient conditions:

| | | |
|------------------------------------|----|-------------|
| Protection class IP | | IP20 |
| Ambient temperature | | |
| • during operation | °C | 0 ... 60 |
| • during storage | °C | -40 ... +70 |
| • during transport | °C | -40 ... +70 |
| Relative humidity during operation | % | 5 ... 95 |
| Vibration resistance | | 2g |
| Shock resistance | | 5g / 11 ms |

| | | |
|---|---|---|
| Degree of pollution | | 3 at 400 V, 2 at 500 V according to IEC60664 (IEC61131) |
| Installation altitude at height above sea level maximum | m | 2 000 |
| mounting position | | vertical, horizontal |

Communication/ Protocol:

| | | |
|--|--|--|
| Protocol is supported | | |
| <ul style="list-style-type: none"> • PROFIBUS DP protocol • PROFINET protocol • AS-interface protocol | | Yes Yes No |
| Design of the interface PROFINET protocol | | Yes |
| Type of electrical connection | | |
| <ul style="list-style-type: none"> • of the communication interface • for communication transmission | | via backplane bus via backplane bus |

Connections/ Terminals:

| | | |
|--|--|--|
| Number of digital inputs | | 2 |
| Number of sockets | | |
| <ul style="list-style-type: none"> • for digital input signals • for digital output signals | | 0 0 |
| Product function | | |
| <ul style="list-style-type: none"> • digital inputs parameterizable • digital outputs parameterizable | | Yes No |
| Type of electrical connection | | |
| <ul style="list-style-type: none"> • 1 for digital input signals • 2 for digital input signals | | using control module using control module |
| Type of electrical connection | | |
| <ul style="list-style-type: none"> • at the manufacturer-specific device interface • for main energy infeed • for load-side outgoing feeder • for main energy transmission • for supply voltage infeed • for supply voltage transmission • for main current circuit | | plug screw-type terminals screw-type terminals via energy bus via backplane bus via backplane bus screw-type terminals |

Electromagnetic compatibility:

| | | |
|--|--|--|
| Conducted interference due to burst acc. to IEC 61000-4-4 | | 2 kV on voltage supply, inputs and outputs |
| Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5 | | 2 kV (U > 24 V DC) |
| Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5 | | 1 kV (U > 24 V DC) |
| Field-bound parasitic coupling acc. to IEC 61000-4-3 | | 80 MHz ... 1 GHz 10 V/m, 1.4 GHz ... 2 Hz 3 V/m, 2 GHz ... 2.7 GHz 1 V/m |

Safety related data:

Protection against electrical shock

finger-safe

Certificates/ approvals:

General Product Approval

Declaration of
Conformity



CCC



CSA



GOST



UL



EG-Konf.

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

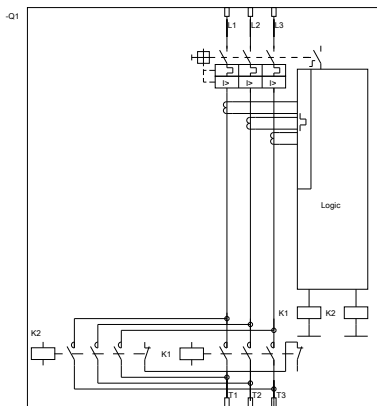
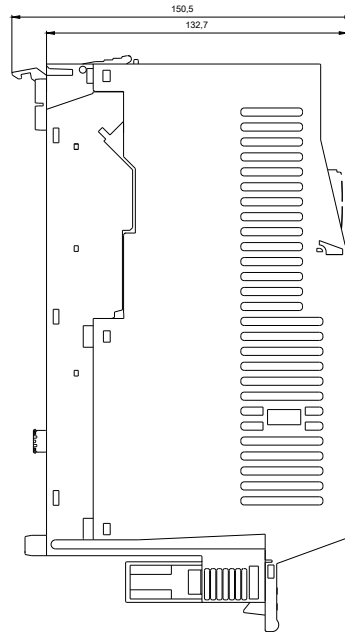
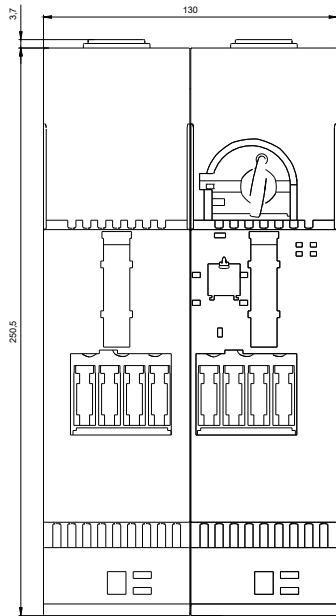
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13010CB101AB4>

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

<http://support.automation.siemens.com/WW/view/en/3RK13010CB101AB4/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK13010CB101AB4&lang=en



- DI 0.0 Beret
- DI 0.1 Motor EIN
- DI 0.2 Sammelfehler
- DI 0.3 Sammelfehler
- DI 0.4 Eingang 1
- DI 0.5 Eingang 2
- DI 0.6 Eingang 3
- DI 0.7 Eingang 4
- DI 1.0 - DI 1.5 Motorstrom
- DI 1.6 Hand-Vor-Ort
- DO 0.0 Motor Rechts
- DO 0.1 Motor Links
- DO 0.2 Bremse
- DO 0.3 Trip Reset
- DO 0.4 Notstart
- DO 0.5 Selbsttest
- DO 1.7 Quickstop sperren

- DI 0.0 Ready from Host/PLC
- DI 0.1 Motor ON
- DI 0.2 Group error
- DI 0.3 General warning
- DI 0.4 Input 1
- DI 0.5 Input 2
- DI 0.6 Input 3
- DI 0.7 Input 4
- DI 1.0 - DI 1.5 Motor current
- DI 1.6 Manual operation local
- DO 0.0 Motor clockwise
- DO 0.1 Motor ct-clockwise
- DO 0.2 Brake
- DO 0.3 Trip Reset
- DO 0.4 Emergency start
- DO 0.5 Self-test
- DO 1.7 Lock-quick stop

last modified:

09.03.2015