## Data sheet



DS1E-X FOR ET200S HIGH FEATURE DIRECT STARTER SETTING RANGE 2.4...8A SWITCH MECHANICALLY PROTECT ELECTRONICALLY AC-3/UP TO 3KW/400V EXPANDABLE FOR BRAKE CONTROL MODULE 2DI MODULE MOTOR STARTER ES

| General technical data:                         |                            |
|---|----------------------------|
| product brandname                               | Sirius                     |
| Product designation                             | motor starter ET 200S      |
| Design of the product                           | direct starter             |
| Product function                                |                            |
| Bus communication                               | Yes                        |
| direct start                                    | Yes                        |
| • reverse starting                              | No                         |
| on-site operation                               | Yes                        |
| Short circuit protection                        | Yes                        |
| Design of the switching contact                 | electromechanical          |
| Product component Motor brake output            | Yes                        |
| Trip class                                      | CLASS 10 and 20 adjustable |
| Type of assignment                              | 2                          |
| Product feature                                 |                            |
| <ul> <li>brake control with 230 V AC</li> </ul> | No                         |
| • brake control with 24 V DC                    | No                         |
| • brake control with 180 V DC                   | No                         |
| <ul> <li>brake control with 500 V DC</li> </ul> | No                         |

| Operating voltage rated value  Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  V 20.4 28.8   | Product extension braking module for brake control |    | Yes              |
|--|--|----|------------------|
| Power loss [W] typical maximum permissible voltage for safe isolation between main and auxiliary circuit Equipment marking acc. to DIN EN 61346-2 Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 Mounting type Depth Meight Mm 150 Meight Midth Mm 290 Width Mm 65  Main circuit  Operating voltage rated value Adjustable pick-up value current of the current- dependent overload release Operating power  • at AC-3 at 400 V rated value • for three-phase motors at 400 V at 50 Hz minimum • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz minimum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection Muchanical service life (switching cycles) of the main contacts typical  Decontrol supply voltage 1 at DC Control supply voltage 1 at DC Control supply voltage 1 at DC Supply voltage 1 at DC V 24 24   | Surge voltage resistance rated value               | kV | 6                |
| maximum permissible voltage for safe isolation between main and auxiliary circuit Equipment marking acc. to DIN 80 1846-2 Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750  Mounting type Depth mm 150 Melight mm 290 Width mm 290 Width mm 65  Main circuit:  Operating voltage rated value V 200 400 Adjustable pick-up value current of the current-dependent overload release Operating power  • at AC-3 at 400 V rated value kW 3  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value corrent circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  Control supply voltage 1 at DC  Supply voltage 1 at DC  V 24 24   | Insulation voltage rated value                     | V  | 500              |
| between main and auxiliary circuit  Equipment marking acc. to DIN EN 61346-2  Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750  Mounting type  Depth  Melight  Width  Main circuit:  Operating voltage rated value  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz mainimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  Control supply voltage 1 at DC  Control supply voltage 1 at DC  V 24 24   | Power loss [W] typical                             | W  | 10               |
| Equipment marking acc. to DIN EN 61346-2  Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750  Mounting type  Depth  Pleight  Mm  Pluggable on terminal module  Depth  Midth  Mm  Pop  Motifier Crucitit   Coperating voltage rated value  Operating youtgae rated value  Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  Control supply voltage 1 at DC V 24 24  Supply voltage 1 at DC  Type of voltage of the supply voltage  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  Supply voltage 1 at DC  V 24 24  Supply voltage 1 at DC  V 24 24  Supply voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24   | maximum permissible voltage for safe isolation     | V  | 400              |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750  Mounting type  Depth  Height  mm  150  Height  Width  mm  65  Main circuit:  Operating voltage rated value  V  Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz mainmum  • for three-phase motors at 400 V at 50 Hz maximum  Aximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  V  20   | <u> </u>   |    |                  |
| according to IEC 204-2 acc. to IEC 750  Mounting type Depth Height mm 150 Width mm 290 Width More 65  Wain circuit:  Operating voltage rated value Adjustable pick-up value current of the current-dependent overload release Operating power  • at AC-3 at 400 V rated value • for three-phase motors at 400 V at 50 Hz minimum • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value Design of short-circuit protection Number of poles for main current circuit Type of the motor protection Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  V 24 24  Supply voltage 1 at DC  V 24 28  Supply voltage of the supply voltage Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage  Type of voltage of the supply voltage   | • • •  |    | Q                |
| Mounting type   pluggable on terminal module   Depth   mm   150   Height   mm   290   Width   mm   65    Main circuit:  Operating voltage rated value   V   200 400   Adjustable pick-up value current of the current-dependent overload release   Operating power   • at AC-3 at 400 V rated value   kW   3   • for three-phase motors at 400 V at 50 Hz minimum   • for three-phase motors at 400 V at 50 Hz maximum   Maximum short-circuit current breaking capacity (Icu) at 400 V rated value   kA   50    Type of voltage of the control supply voltage   DC   Control supply voltage 1 at DC   V   24 24    Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    DC   Supply voltage 1 at DC   V   24 28    Supply voltage 1 at DC   V   24 24    Type of voltage of the supply voltage   DC   Supply voltage 1 at DC   V   24 28    Supply voltage 1 at DC   V   24 24    Type of voltage of the supply voltage   DC    Supply voltage 1 at DC   V   24 24    Type of voltage of the supply voltage   DC    Supply voltage 1 at DC   V   24 24    Type of voltage of the supply voltage   DC    Supply voltage 1 at DC   V   24 24    Type of voltage of the supply voltage   DC    Supply voltage 1 at DC   V   24 24    Type of voltage of the supply voltage   DC    Supply voltage 1 at DC   V   24 24  |  |    | A                |
| Depth mm 150 Height mm 290 Width mm 65   Main circuit:  Operating voltage rated value V 200 400 Adjustable pick-up value current of the current-dependent overload release Operating power • at AC-3 at 400 V rated value kW 3 • for three-phase motors at 400 V at 50 Hz minimum • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value Design of short-circuit protection Number of poles for main current circuit Type of the motor protection Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC V 24 24  Supply voltage 1 at DC rated value  DC Supply voltage 1 at DC V 24 28   |  |    |                  |
| Height mm 290  Width mm 65  Main circuit:  Operating voltage rated value V 200 400  Adjustable pick-up value current of the current-dependent overload release Operating power  • at AC-3 at 400 V rated value kW 3  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Mumber of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  V 24 24  Supply voltage 1 at DC rated value  DC  Supply voltage 1 at DC rated value  DC  Supply voltage of the supply voltage  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 288   |  |    |                  |
| Main circuit:  Operating voltage rated value Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value • for three-phase motors at 400 V at 50 Hz minimum • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz kW 3  **Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  **Waximum short-circuit protection  **Waximum short-circuit protection  **Design of short-circuit protection  **Waximum short-circuit protection  **Design of short-circuit protection  **Maximum short-circuit protection  **Design of short-circuit protecti |  | _  |                  |
| Main circuit:  Operating voltage rated value  Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  V 24 24  Control supply voltage 1 at DC rated value  V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 28.8  |  |    |                  |
| Operating voltage rated value  Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  Type of voltage of the supply voltage  Control supply voltage 1 at DC  V 24 24  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 28.8   | width  | mm | 05               |
| Adjustable pick-up value current of the current-dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  Supply voltage:  Type of voltage of the supply voltage  Supply voltage 1 at DC  V 24 24  Supply voltage 1 at DC  V 24 28  Supply voltage 1 at DC  V 24 24  Supply voltage 1 at DC  V 24 24   | Main circuit:                                      |    |                  |
| dependent overload release  Operating power  • at AC-3 at 400 V rated value  • for three-phase motors at 400 V at 50 Hz minimum  • for three-phase motors at 400 V at 50 Hz maximum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  DC  Supply voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  Control voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 28.8  | · • • • • • • • • • • • • • • • • • • •            | V  | 200 400          |
| at AC-3 at 400 V rated value  for three-phase motors at 400 V at 50 Hz minimum  for three-phase motors at 400 V at 50 Hz maximum  for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  V 24 24  Control supply voltage 1 at DC rated value  DC  Supply voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 28.8  Supply voltage 1 at DC  V 24 24  DC  Supply voltage 1 at DC  V 24 24  |  | Α  | 2.4 8            |
| for three-phase motors at 400 V at 50 Hz minimum     for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  V 20.4 24  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  Control supply voltage 5  DC  Supply voltage 6  DC  Supply voltage 7  Supply voltage 8  DC  Supply voltage 9  DC  Supply voltage 1 at DC  V 24 24  | Operating power                                    |    |                  |
| minimum  • for three-phase motors at 400 V at 50 Hz maximum  Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  V 24 24  Control supply voltage 1 at DC rated value  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 28.8   | <ul><li>at AC-3 at 400 V rated value</li></ul>     | kW | 3                |
| Maximum short-circuit current breaking capacity (Icu) at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  Control supply voltage 1 at DC rated value  DC  Supply voltage 1 at DC  V 24 28.8  | ·  | kW | 1.1              |
| at 400 V rated value  Design of short-circuit protection  Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  V 24 24  Control supply voltage 1 at DC rated value  Supply voltage of the supply voltage  DC  Supply voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  C 24 24  C 24 28.8  | •  | kW | 3                |
| Number of poles for main current circuit  Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  DC  Supply voltage 1 at DC  V 24 24  Control supply voltage:  Type of voltage of the supply voltage  Supply voltage 1 at DC  V 24 24   |  | kA | 50               |
| Type of the motor protection  Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC v 24 24  Control supply voltage 1 at DC rated value  V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  | Design of short-circuit protection                 |    | circuit-breakers |
| Mechanical service life (switching cycles) of the main contacts typical  Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  | Number of poles for main current circuit           |    | 3                |
| Control circuit/ Control:  Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC v 24 24  Control supply voltage 1 at DC rated value  V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24   | Type of the motor protection                       |    | solid-state      |
| Type of voltage of the control supply voltage  Control supply voltage 1 at DC  Control supply voltage 1 at DC rated value  V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24  |  |    | 100 000          |
| Control supply voltage 1 at DC V 24 24 Control supply voltage 1 at DC rated value V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC Supply voltage 1 at DC V 24 24   | Control circuit/ Control:                          |    |                  |
| Control supply voltage 1 at DC rated value  V 20.4 28.8  Supply voltage:  Type of voltage of the supply voltage  DC  Supply voltage 1 at DC  V 24 24   | Type of voltage of the control supply voltage      |    | DC               |
| Supply voltage:  Type of voltage of the supply voltage  Supply voltage 1 at DC  V 24 24  | Control supply voltage 1 at DC                     | V  | 24 24            |
| Type of voltage of the supply voltage DC Supply voltage 1 at DC V 24 24  | Control supply voltage 1 at DC rated value         | V  | 20.4 28.8        |
| Supply voltage 1 at DC V 24 24   | Supply voltage:                                    |    |                  |
|  | Type of voltage of the supply voltage              |    |                  |
| Supply voltage 1 at DC rated value V 20.4 28.8   |  | V  | 24 24            |
|  | Supply voltage 1 at DC rated value                 | V  | 20.4 28.8        |
|  | Ambient conditions:                                |    |                  |
| Protection class IP IP20   |  |    | IP20             |
| Ambient temperature  | Ambient temperature                                |    |                  |
| • during operation °C 0 60   | during operation                                   | °C | 0 60             |

| during storage   | °C | -40 +70  |
|--|----|--|
| during transport   | °C | -40 <b>+</b> 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  | m  | 2 000  |
| maximum  |    |  |
| Mounting position  |    | vertical, horizontal   |
| Communication/ Protocol:   |    |  |
| Protocol is supported  |    |  |
| <ul> <li>PROFIBUS DP protocol</li> </ul>   |    | Yes  |
| <ul> <li>PROFINET protocol</li> </ul>  |    | Yes  |
| AS-interface protocol  |    | No   |
| Design of the interface PROFINET protocol  |    | Yes  |
| Type of electrical connection  |    |  |
| <ul> <li>of the communication interface</li> </ul>   |    | via backplane bus  |
| <ul> <li>for communication transmission</li> </ul>   |    | via backplane bus  |
| Connections/ Terminals:  |    |  |
| Number of digital inputs   |    | 2  |
| Number of sockets  |    |  |
|  |    |  |
| • for digital input signals  |    | 0  |
| <ul><li>for digital input signals</li><li>for digital output signals</li></ul>   |    | 0<br>0   |
|  |    |  |
| • for digital output signals   |    |  |
| • for digital output signals  Product function   |    | 0  |
| <ul> <li>for digital output signals</li> <li>Product function</li> <li>digital inputs parameterizable</li> </ul>   |    | 0<br>Yes   |
| <ul> <li>for digital output signals</li> <li>Product function</li> <li>digital inputs parameterizable</li> <li>digital outputs parameterizable</li> </ul>  |    | 0<br>Yes   |
| <ul> <li>for digital output signals</li> <li>Product function</li> <li>digital inputs parameterizable</li> <li>digital outputs parameterizable</li> <li>Type of electrical connection</li> </ul>   |    | O<br>Yes<br>No   |
| <ul> <li>for digital output signals</li> <li>Product function</li> <li>digital inputs parameterizable</li> <li>digital outputs parameterizable</li> <li>Type of electrical connection</li> <li>1 for digital input signals</li> </ul>  |    | O Yes No using control module  |
| <ul> <li>for digital output signals</li> <li>Product function         <ul> <li>digital inputs parameterizable</li> <li>digital outputs parameterizable</li> </ul> </li> <li>Type of electrical connection         <ul> <li>1 for digital input signals</li> <li>2 for digital input signals</li> </ul> </li> </ul>   |    | O Yes No using control module  |
| for digital output signals  Product function     digital inputs parameterizable     digital outputs parameterizable  Type of electrical connection     1 for digital input signals     2 for digital input signals  Type of electrical connection  |    | Yes No using control module using control module   |
| for digital output signals  Product function     digital inputs parameterizable     digital outputs parameterizable  Type of electrical connection     1 for digital input signals     2 for digital input signals  Type of electrical connection     at the manufacturer-specific device interface  |    | Yes No using control module using control module   |
| <ul> <li>for digital output signals</li> <li>Product function         <ul> <li>digital inputs parameterizable</li> <li>digital outputs parameterizable</li> </ul> </li> <li>Type of electrical connection         <ul> <li>1 for digital input signals</li> <li>2 for digital input signals</li> </ul> </li> <li>Type of electrical connection         <ul> <li>at the manufacturer-specific device interface</li> <li>for main energy infeed</li> </ul> </li> </ul> |    | Yes No using control module using control module plug screw-type terminals                                     |
| for digital output signals  Product function     digital inputs parameterizable     digital outputs parameterizable  Type of electrical connection     1 for digital input signals     2 for digital input signals  Type of electrical connection     at the manufacturer-specific device interface     for main energy infeed     for load-side outgoing feeder   |    | Yes No using control module using control module plug screw-type terminals Screw-type terminals                |
| for digital output signals  Product function     digital inputs parameterizable     digital outputs parameterizable  Type of electrical connection     1 for digital input signals     2 for digital input signals  Type of electrical connection     at the manufacturer-specific device interface     for main energy infeed     for load-side outgoing feeder     for main energy transmission  |    | Yes No using control module using control module plug screw-type terminals Screw-type terminals via energy bus |

| Electr | omag | netic | comp | alibility |  |
|--------|------|-------|------|-----------|--|
|        |      |       |      |           |  |

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 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 GHz2 Hz 3 V/m, 2<br>GHz 2.7 GHz 1 V/m |
| EMC emitted interference acc. to IEC 60947-1                                  | CISPR11, ambience A (industrial sector)                        |

Protection against electrical shock finger-safe

## Certificates/ approvals:

**General Product Approval** 

**Declaration of** Conformity

**Test** Certificates









Type Test Certificates/Test Report

## other

Environmental Confirmations

Confirmation

## Further information

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

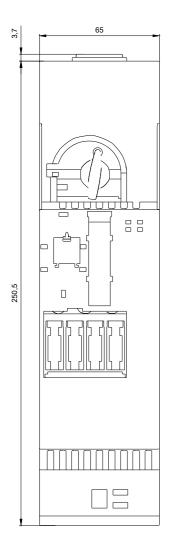
Cax online generator

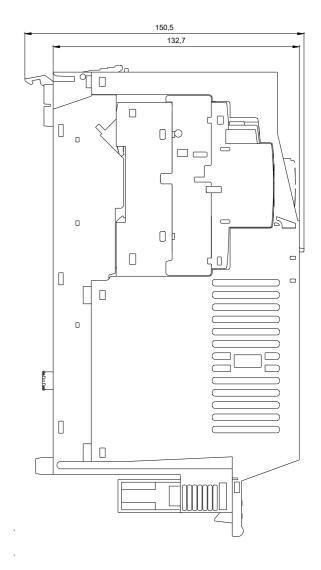
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1301-0BB10-0AA3

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

https://support.industry.siemens.com/cs/ww/en/ps/3RK1301-0BB10-0AA3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1301-0BB10-0AA3&lang=en





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