SIEMENS

## Data sheet 3RK1903-0CB00



Figure similar

XB1 for ET 200S/DS-X/RS-X brake control module 24 V DC 4 A for motors with mechanical brakes

| | |
|---|---|
| **product brand name** | SIMATIC |
| **product type designation** | ET 200S |
| **General technical data** | |
| **surge voltage resistance rated value** | 8 kV |
| **shock resistance** | 5 g / 11 ms |
| **vibration resistance** | 2 g |
| **operating frequency maximum** | 750 1/h |
| **Substance Prohibitance (day/month/year)** | 03/01/2017 |
| **SVHC substance name** | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1 |
| **Net Weight** | 0.082 kg |
| **product feature** | |
| ● brake control with 230 V AC | No |
| ● brake control with 24 V DC | Yes |
| ● brake control with 180 V DC | No |
| ● brake control with 500 V DC | No |
| **type of voltage of the supply voltage for brake control required** | DC |
| **Electromagnetic compatibility** | |
| EMC emitted interference according to IEC 60947-1 | CISPR11, ambience A (industrial sector) |
| EMC immunity according to IEC 60947-1 | corresponds to degree of severity 3, ambience A (industrial sector) |
| **conducted interference** | |
| ● due to conductor-earth surge according to IEC 61000-4-5 | 2 kV (U > 24 V DC) |
| ● due to conductor-conductor surge according to IEC 61000-4-5 | 1 kV (U > 24 V DC) |
| IEC 61508 | |
| **T1 value for proof test interval or service life according to IEC 61508** | 20 a |
| Electrical Safety | |
| **protection class IP on the front according to IEC 60529** | IP20 |
| **touch protection on the front according to IEC 60529** | finger-safe |
| **Main circuit** | |
| **number of poles for main current circuit** | 2 |
| operating voltage rated value | 24 V |
| operating range relative to the operating voltage at AC at 50 Hz | 200 ... 440 V |
| **Inputs/ Outputs** | |
| **product function** | |


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| | |
|---|---|
| ● digital inputs parameterizable | No |
| ● digital outputs parameterizable | No |
| **number of digital inputs** | 0 |
| **Supply voltage** | |
| **type of voltage of the supply voltage** | DC |
| **supply voltage 1 at DC** | 24 V |
| **supply voltage 1 at DC rated value** | |
| ● minimum permissible | 20.4 V |
| ● maximum permissible | 28.8 V |
| **Control circuit/ Control** | |
| **type of voltage of the control supply voltage** | DC |
| **control supply voltage 1 at DC** | 24 V |
| **Installation/ mounting/ dimensions** | |
| **mounting position** | vertical, horizontal |
| **fastening method** | pluggable on terminal module |
| **height** | 196.5 mm |
| **width** | 15 mm |
| **depth** | 95 mm |
| **Ambient conditions** | |
| installation altitude at height above sea level maximum | 2 000 m |
| **ambient temperature** | |
| ● during operation | 0 ... 60 °C |
| ● during storage | -40 ... +70 °C |
| ● during transport | -40 ... +70 °C |
| relative humidity during operation | 5 ... 95 % |
| **Communication/ Protocol** | |
| **product function** | |
| ● supports PROFIenergy measured values | No |
| ● supports PROFIenergy shutdown | No |
| **type of electrical connection** | |
| ● of the communication interface | via backplane bus |
| ● for communication transmission | via backplane bus |
| **Connections/ Terminals** | |
| **type of electrical connection** | |
| ● for main energy infeed | screw-type terminals |
| ● for load-side outgoing feeder | Screw-type terminal |
| ● for main energy transmission | via energy bus |
| ● for supply voltage line-side | via backplane bus |
| ● for supply voltage transmission | via backplane bus |
| **UL/CSA ratings** | |
| operating voltage at AC at 60 Hz according to CSA and UL rated value | 600 V |

**Approvals Certificates**

| General Product Approval | EMV |
|---|---|

| Test Certificates | other | Environment |
|---|---|---|
| Type Test Certificates/Test Report | Confirmation | Environmental Confirmations |

| Further information |
|---|
| **Information on the packaging** |


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**last modified:** 7/22/2026


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