

XB4 BRAKE CONTROL MODUL DC 500V 0,7A

| General technical data | |
|--|---|
| Surge voltage resistance rated value | 8 kV |
| Shock resistance | 5g / 11 ms |
| Vibration resistance | 2g |
| Product feature | |
| <ul style="list-style-type: none"> • brake control with 230 V AC | Yes |
| <ul style="list-style-type: none"> • brake control with 24 V DC | No |
| <ul style="list-style-type: none"> • brake control with 180 V DC | Yes |
| <ul style="list-style-type: none"> • brake control with 500 V DC | Yes |
| Electromagnetic compatibility | |
| EMC emitted interference | |
| <ul style="list-style-type: none"> • acc. to IEC 60947-1 | CISPR11, ambience A (industrial sector) |
| EMI immunity acc. to IEC 60947-1 | corresponds to degree of severity 3, ambience A (industrial sector) |
| Conducted interference | |
| <ul style="list-style-type: none"> • due to conductor-earth surge acc. to IEC 61000-4-5 | 2 kV (U > 24 V DC) |
| <ul style="list-style-type: none"> • due to conductor-conductor surge acc. to IEC 61000-4-5 | 1 kV (U > 24 V DC) |
| Safety related data | |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |
| Protection against electrical shock | finger-safe |
| Inputs/ Outputs | |
| Product function | |
| <ul style="list-style-type: none"> • digital inputs parameterizable | Yes |
| <ul style="list-style-type: none"> • digital outputs parameterizable | No |
| Number of digital inputs | 2 |
| Main circuit | |
| Number of poles for main current circuit | 2 |
| Operating voltage | |
| <ul style="list-style-type: none"> • rated value | 180 ... 500 V |
| Supply voltage | |
| Type of voltage of the supply voltage | DC |
| Supply voltage 1 at DC | 24 ... 24 V |

| | |
|---|--------|
| Supply voltage 1 at DC rated value | |
| <ul style="list-style-type: none"> • minimum permissible | 20.4 V |
| <ul style="list-style-type: none"> • maximum permissible | 28.8 V |

Control circuit/ Control

| | |
|---|-------------|
| Type of voltage of the control supply voltage | DC |
| Control supply voltage 1 | |
| <ul style="list-style-type: none"> • at DC | 24 ... 24 V |

Installation/ mounting/ dimensions

| | |
|--------------------------|------------------------------|
| Mounting position | vertical, horizontal |
| Mounting type | pluggable on terminal module |
| Height | 196.5 mm |
| Width | 15 mm |
| Depth | 95 mm |

Ambient conditions

| | |
|--|----------------|
| Installation altitude at height above sea level | |
| <ul style="list-style-type: none"> • maximum | 2 000 m |
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation | 0 ... 60 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| Relative humidity during operation | 5 ... 95 % |

Communication/ Protocol

| | |
|--|-------------------|
| Product function | |
| <ul style="list-style-type: none"> • supports PROFIenergy measured values | No |
| <ul style="list-style-type: none"> • supports PROFIenergy shutdown | No |
| Address space memory of address range | |
| <ul style="list-style-type: none"> • of inputs | 1 byte |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • of the communication interface | via backplane bus |
| <ul style="list-style-type: none"> • for communication transmission | via backplane bus |

Connections/Terminals

| | |
|---|----------------------|
| Type of electrical connection | |
| <ul style="list-style-type: none"> • for main energy infeed | screw-type terminals |
| <ul style="list-style-type: none"> • for load-side outgoing feeder | Screw-type terminals |
| <ul style="list-style-type: none"> • for main energy transmission | via energy bus |
| <ul style="list-style-type: none"> • for supply voltage line-side | via backplane bus |
| <ul style="list-style-type: none"> • for supply voltage transmission | via backplane bus |

Certificates/approvals

| General Product Approval | | | | Declaration of Conformity | Test Certificates |
|--|--|---|---|---|--|
|  CCC |  CSA |  UL |  |  EG-Konf. | Type Test Certificates/Test Report |

| other |
|------------------------------|
| Confirmation |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1903-0CF00>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1903-0CF00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1903-0CF00>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-0CF00&lang=en

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