

XB3 BRAKE CONTROL MODUL DC 24V 4A

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 	No
<ul style="list-style-type: none"> • brake control with 24 V DC 	Yes
<ul style="list-style-type: none"> • brake control with 180 V DC 	No
<ul style="list-style-type: none"> • brake control with 500 V DC 	No
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 	24 ... 24 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=3RK1903-0CE00>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1903-0CE00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1903-0CE00>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-0CE00&lang=en

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