

XB3 for ET 200S for DS1-X / RS1-X Brake control module 24 V DC 4
A for motors with mechanical brakes DI 2 x 24 V DC local control

Product brand name	SIMATIC
Product type designation	ET 200S

General technical data

Surge voltage resistance rated value	8 kV
Shock resistance	5g / 11 ms
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

Electromagnetic compatibility

EMC emitted interference	
• 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	
• due to conductor-earth surge acc. to IEC 61000-4-5	2 kV (U > 24 V DC)
• 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

Main circuit

Number of poles for main current circuit	2
Operating voltage	
• rated value	24 ... 24 V

Inputs/ Outputs

Product function	
• digital inputs parameterizable	Yes
• digital outputs parameterizable	No
Number of digital inputs	2

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	
• 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 ... 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	
• 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
address range memory of address range	
• of the inputs	1 byte
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 terminals
• for main energy transmission	via energy bus
• for supply voltage line-side	via backplane bus
• for supply voltage transmission	via backplane bus
Certificates/approvals	

General Product Approval			EMC	Declaration of Conformity	
					
CCC	CSA	UL		C-Tick	EG-Konf.

Declaration of Conformity	Test Certificates	other
Miscellaneous	Type Test Certificates/Test Report	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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