



XB2 for ET 200S/DS-X/RS-X brake control module 500 V DC, 0.7 A for motors with mechanical brakes

product brand name	SIMATIC
product type designation	ET 200S
<b>General technical data</b>	
surge voltage resistance rated value	8 kV
shock resistance	5g / 11 ms
vibration resistance	2g
Substance Prohibitance (Date)	05/01/2012
product feature	<ul style="list-style-type: none"> <li>• brake control with 230 V AC</li> <li>• brake control with 24 V DC</li> <li>• brake control with 180 V DC</li> <li>• brake control with 500 V DC</li> </ul>
type of voltage of the supply voltage for brake control required	DC
<b>Electromagnetic compatibility</b>	
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	<ul style="list-style-type: none"> <li>• due to conductor-earth surge according to IEC 61000-4-5</li> <li>• due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>
	2 kV (U > 24 V DC) 1 kV (U > 24 V DC)
<b>Safety related data</b>	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
<b>Main circuit</b>	
number of poles for main current circuit	2
operating voltage rated value	180 ... 500 V
<b>Inputs/ Outputs</b>	
product function	<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> <li>• digital outputs parameterizable</li> </ul>
	No
	No
number of digital inputs	0
<b>Supply voltage</b>	
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"> <li>• minimum permissible</li> <li>• maximum permissible</li> </ul>
	20.4 V
	28.8 V
<b>Control circuit/ Control</b>	
type of voltage of the control supply voltage	DC

<b>control supply voltage 1</b> • at DC	24 ... 24 V
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	vertical, horizontal
<b>fastening method</b>	pluggable on terminal module
<b>height</b>	196.5 mm
<b>width</b>	15 mm
<b>depth</b>	95 mm
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
<b>ambient temperature</b> • during operation • during storage • during transport	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity during operation	5 ... 95 %
<b>Communication/ Protocol</b>	
<b>product function</b> • supports PROFinergy measured values • supports PROFinergy shutdown	No No
<b>type of electrical connection</b> • of the communication interface • for communication transmission	via backplane bus via backplane bus
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b> • for main energy infeed • for load-side outgoing feeder • for main energy transmission • for supply voltage line-side • for supply voltage transmission	screw-type terminals Screw-type terminals via energy bus via backplane bus via backplane bus
<b>Certificates/ approvals</b>	
<b>General Product Approval</b>	EMC



[Confirmation](#)



**Declaration of Conformity**

**other**



[Confirmation](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1903-0CC00>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1903-0CC00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1903-0CC00>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1903-0CC00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-0CC00&lang=en)



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