



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

Figure similar

<b>product brand name</b>	SIMATIC
<b>product type designation</b>	ET 200S
<b>General technical data</b>	
<b>surge voltage resistance rated value</b>	8 kV
<b>shock resistance</b>	5g / 11 ms
<b>vibration resistance</b>	2g
<b>operating frequency maximum</b>	750 1/h
<b>Substance Prohibitance (Date)</b>	03/01/2017
<b>SVHC substance name</b>	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
<b>product feature</b>	
<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>	<p>No</p> <p>Yes</p> <p>No</p> <p>No</p>
<b>type of voltage of the supply voltage for brake control required</b>	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)
<b>conducted interference</b>	
<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>	<p>2 kV (U &gt; 24 V DC)</p> <p>1 kV (U &gt; 24 V DC)</p>
<b>Safety related data</b>	
<b>protection class IP on the front according to IEC 60529</b>	IP20
<b>touch protection on the front according to IEC 60529</b>	finger-safe
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	2
<b>operating voltage rated value</b>	24 ... 24 V
<b>operating range relative to the operating voltage at AC at 50 Hz</b>	200 ... 440 V
<b>Inputs/ Outputs</b>	
<b>product function</b>	
<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> <li>• digital outputs parameterizable</li> </ul>	<p>No</p> <p>No</p>
<b>number of digital inputs</b>	0
<b>Supply voltage</b>	
<b>type of voltage of the supply voltage</b>	DC
<b>supply voltage 1 at DC</b>	24 ... 24 V

<b>supply voltage 1 at DC rated value</b>	
<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>	
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage 1</b>	
<ul style="list-style-type: none"> <li>• at DC</li> </ul>	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>	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity during operation	5 ... 95 %
<b>Communication/ Protocol</b>	
<b>product function</b>	
<ul style="list-style-type: none"> <li>• supports PROFlenergy measured values</li> <li>• supports PROFlenergy shutdown</li> </ul>	No No
<b>type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• of the communication interface</li> <li>• for communication transmission</li> </ul>	via backplane bus via backplane bus
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• for main energy infeed</li> <li>• for load-side outgoing feeder</li> <li>• for main energy transmission</li> <li>• for supply voltage line-side</li> <li>• for supply voltage transmission</li> </ul>	screw-type terminals Screw-type terminals via energy bus via backplane bus via backplane bus
<b>UL/CSA ratings</b>	
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V
<b>Certificates/ approvals</b>	
General Product Approval	EMC



[Confirmation](#)



Declaration of Conformity

Test Certificates

other



[Type Test Certificates/Test Report](#)

[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=3RK1903-0CB00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1903-0CB00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1903-0CB00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1903-0CB00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-0CB00&lang=en)

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