

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
vibration resistance	2g
Substance Prohibitance (Date)	03/01/2017
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleitanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
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 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"> • due to conductor-earth surge according to IEC 61000-4-5 	2 kV (U > 24 V DC)
<ul style="list-style-type: none"> • due to conductor-conductor surge according to IEC 61000-4-5 	1 kV (U > 24 V DC)
Safety related data	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
Main circuit	
number of poles for main current circuit	2
operating voltage rated value	24 ... 24 V
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
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
fastening method	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 PROFinergy measured values	No
• supports PROFinergy shutdown	No
address space 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
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[Confirmation](#)



Declaration of Conformity	Test Certificates	other
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EG-Konf.

[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=3RK1903-0CE00>

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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