

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



Figure similar

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
operating frequency maximum	750 1/h
product feature	<ul style="list-style-type: none"> • 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
type of voltage of the supply voltage for brake control required	DC

Electromagnetic compatibility

EMC emitted interference	<ul style="list-style-type: none"> • acc. to IEC 60947-1 CISPR11, ambience A (industrial sector)
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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

Main circuit	
number of poles for main current circuit	2
operating voltage	
<ul style="list-style-type: none"> • rated value 	24 ... 24 V
operating range relative to the operating voltage at AC	
<ul style="list-style-type: none"> • at 50 Hz 	200 ... 440 V

Inputs/ Outputs	
product function	
<ul style="list-style-type: none"> • digital inputs parameterizable 	No
<ul style="list-style-type: none"> • digital outputs parameterizable 	No
number of digital inputs	0

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	
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• installation altitude at height above sea level maximum	2 000 m
relative humidity during operation	5 ... 95 %

Communication/ Protocol

product function	
• supports PROFinergy measured values	No
• supports PROFinergy shutdown	No
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

UL/CSA ratings

operating voltage	
• at AC at 60 Hz acc. to CSA and UL rated value	600 V

Certificates/ approvals

General Product Approval			EMC	Declaration of Conformity	
					
CCC	CSA	UL	EAC	RCM	EG-Konf.
Declaration of Conformity	Test Certificates	other			
Miscellaneous	Type Test Certificates/Test Report	Confirmation			

Further information

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?mfb=3RK1903-0CB00>

Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=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

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