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Data sheet 3RK1903-0CF00

	XB4 for ET 200S for DS1-X / RS1-X brake control module 500 V AC 0.7 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	5 g / 11 ms
vibration resistance	2 g
Substance Prohibitance (day/month/year)	05/01/2012
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1
Net Weight	0.095 kg
product feature	
● brake control with 230 V AC	Yes
● brake control with 24 V DC	No
● brake control with 180 V DC	Yes
● brake control with 500 V DC	Yes
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	
● due to conductor-earth surge according to IEC 61000-4-5	2 kV (U > 24 V DC)
● due to conductor-conductor surge according to IEC 61000-4-5	1 kV (U > 24 V DC)
IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a
Electrical Safety	
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	180 ... 500 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 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 V
Installation/ mounting/ dimensions	
mounting position	vertical, horizontal

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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 PROFIenergy measured values	No
● supports PROFIenergy 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 terminal
● for main energy transmission	via energy bus
● for supply voltage line-side	via backplane bus
● for supply voltage transmission	via backplane bus

Approvals Certificates

General Product Approval					EMV
CCC	UL	EAC	CE EG-Konf.	UKCA	KC

EMV	Test Certificates	other		Environment
RCM	Type Test Certific-ates/Test Report	Confirmation	产品合格 QC PASS	Environmental Con-firmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RK1903-0CF00
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1903-0CF00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1903-0CF00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-0CF00&lang=en
Kennlinien
https://curves.simaris.siemens.com/curves/3RK1903-0CF00

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