SIEMENS

Data sheet 3RB2383-4AA1



Evaluation unit for full motor protection (bistable) Size S00...S12, class 5...30 Stand-alone installation Main circuit: -- Auxiliary circuit: Screw terminal Manual-Automatic-Reset

product brand name	SIRIUS
product designation	solid-state overload relay
product type designation	3RB23
General technical data	
size of overload relay	S00 ... S12
size of contactor can be combined company-specific	S00 ... S12
power loss [W] for rated value of the current at AC in hot operating state	0.5 W
● per pole	0.17 W
insulation voltage with degree of pollution 3 at AC rated value	300 V
surge voltage resistance rated value	4 kV
reference code according to IEC 81346-2	F
Substance Prohibitance (day/month/year)	07/01/2006
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
Net Weight	0.233 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
relative humidity during operation	100 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	0.3 ... 630 A
operational current rated value	630 A
control supply voltage at AC	
● at 50 Hz rated value	24 ... 240 V
● at 60 Hz rated value	24 ... 240 V
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	2
operational current of auxiliary contacts at AC-15	
● at 24 V	6 A
● at 110 V	6 A
● at 120 V	6 A

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● at 125 V	6 A
● at 230 V	3 A
operational current of auxiliary contacts at DC-13	
● at 24 V	2 A
● at 60 V	0.55 A
● at 110 V	0.3 A
● at 125 V	0.3 A
● at 220 V	0.2 A
Protective and monitoring functions	
trip class	CLASS 5, 10, 20 and 30 adjustable
Short-circuit protection	
design of the fuse link	
● for short-circuit protection of the auxiliary switch required	fuse gL/gG: 6 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	stand-alone installation
height	111 mm
width	45 mm
depth	95 mm
required spacing	
● with side-by-side mounting	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
● for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
● for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	6 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	
● for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections	
● for auxiliary contacts	
— finely stranded with core end processing	0.5 ... 2.5 mm², 2x (0.5 ... 1.5 mm²)
● for AWG cables for auxiliary contacts	2x (24 ... 16)
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	

Environment	General Product Approval				
Environmental Confirmations	CCC	UL	cULus	EAC	UKCA

General Product Ap-	EMV	Test Certificates	Maritime application

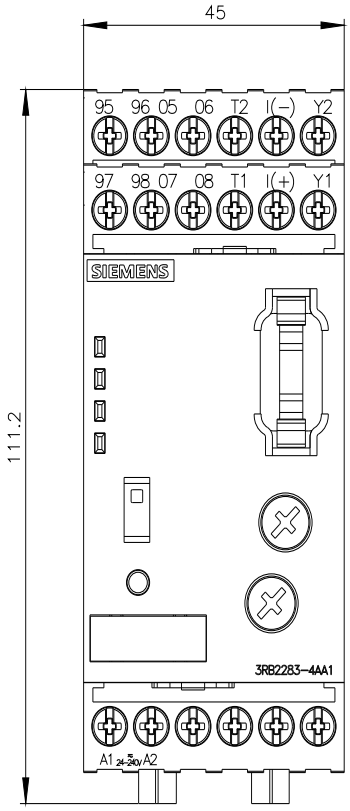
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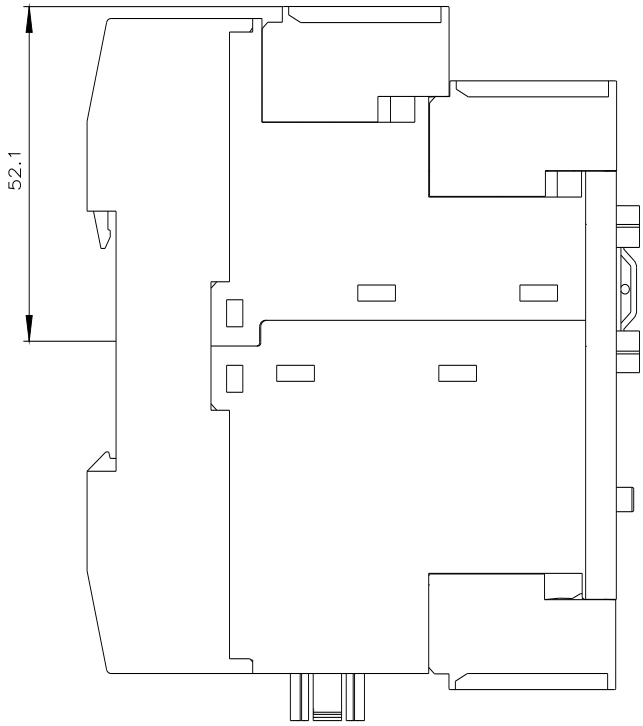
proval					
CE EG-Konf.	KC	RCM	Special Test Certific-ate	Type Test Certific-ates/Test Report	ABS

Maritime application		other		
DNV	LRS	Confirmation	Confirmation	产品合格 QC PASS

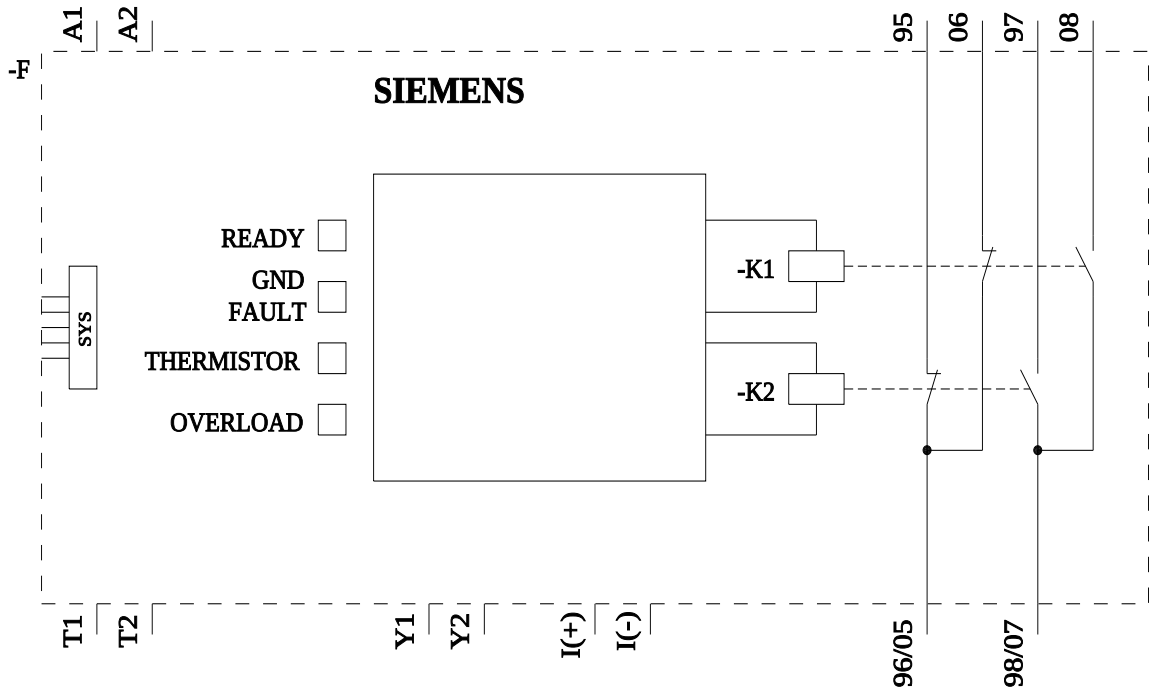
Further information

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=3RB2383-4AA1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RB2383-4AA1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB2383-4AA1&lang=en
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB2383-4AA1
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