SIEMENS

Data sheet

3RV2011-0FA25



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.35...0.5 A N-release 6.5 A Spring-type terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

SIRIUS
Circuit breaker
For motor protection
3RV2
S00
S00, S0
Yes
5.5 W
1.8 W
690 V
6 kV
25g / 11 ms
100 000
100 000
100 000
Ex II (2) GD
DMT 02 ATEX F 001
Q
10/01/2009
Blei - 7439-92-1
2 000 m
-20 +60 °C
-50 +80 °C
-50 +80 °C
10 95 %
3
0.35 0.5 A
20 690 V
690 V
690 V
50 60 Hz
0.5 A

operational current	
 at AC-3 at 400 V rated value 	0.5 A
• at AC-3e at 400 V rated value	0.5 A
operating power	
• at AC-3	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.12 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.2 kW
• at AC-3e	0.2 KW
	0.4 1997
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.12 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.2 kW
operating frequency	
 at AC-3 maximum 	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A
• at 120 V	0.5 A
• at 125 V	0.5 A
• at 230 V	0.5 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 60 V	0.15 A
Protective and monitoring functions	
product function	
 ground fault detection 	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (lcu)	
• at AC at 240 V rated value	100 kA
 at AC at 400 V rated value 	100 kA
 at AC at 500 V rated value 	100 kA
at AC at 690 V rated value	100 kA
operating short-circuit current breaking capacity (Ics) at AC	
at 240 V rated value	100 kA
• at 400 V rated value	100 KA
• at 500 V rated value	100 kA
at 690 V rated value	100 kA
response value current of instantaneous short-circuit trip unit	6.5 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	0.5 A
at 600 V rated value	0.5 A
contact rating of auxiliary contacts according to UL	C300 / R300
Short-circuit protection	
	Yes
product function short circuit protection	
product function short circuit protection design of the short-circuit trip	Yes magnetic
product function short circuit protection	
product function short circuit protection design of the short-circuit trip design of the fuse link	magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400
product function short circuit protection design of the short-circuit trip design of the fuse link • for short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit	magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400

Installation/ mounting/ dimensions					
mounting position	any				
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
height	106 mm				
width	45 mm				
depth	97 mm				
required spacing					
 with side-by-side mounting at the side 	0 mm				
 for grounded parts at 400 V 					
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
 for live parts at 400 V 					
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
 for grounded parts at 500 V 					
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
• for live parts at 500 V					
— downwards	30 mm				
— upwards	30 mm				
— at the side	9 mm				
 for grounded parts at 690 V 					
— downwards	50 mm				
— upwards	50 mm				
— backwards	0 mm				
— at the side	30 mm				
— forwards	0 mm				
 for live parts at 690 V 					
— downwards	50 mm				
— upwards	50 mm				
— backwards	0 mm				
— at the side	30 mm				
— forwards	0 mm				
Connections/ Terminals					
type of electrical connection					
for main current circuit	spring-loaded terminals				
 for auxiliary and control circuit 	spring-loaded terminals				
arrangement of electrical connectors for main current circuit	Top and bottom				
type of connectable conductor cross-sections					
• for main contacts					
— solid or stranded	2x (0,5 4 mm²)				
— finely stranded with core end processing	2x (0.5 2.5 mm ²)				
 finely stranded with core end processing 	2x (0.5 2.5 mm ²)				
for AWG cables for main contacts	2x (20 12)				
type of connectable conductor cross-sections					
for auxiliary contacts					
— solid or stranded	2x (0.5 2.5 mm²)				
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)				
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)				
 for AWG cables for auxiliary contacts 	2x (20 14)				
design of screwdriver shaft	Diameter 3 mm				
size of the screwdriver tip	3,0 x 0,5 mm				
Safety related data					
B10 value					
with high demand rate according to SN 31920	5 000				
proportion of dangerous failures					
with low demand rate according to SN 31920	50 %				
- With IOW demand rate according to ON 01320	00 /0				

with high demand rate according to SN 31920		50 %				
failure rate [FIT]						
with low demand rate according to SN 31920			50 FI	т		
T1 value for proof test interval or service life according to IEC 61508			10 a			
protection class IP on	rotection class IP on the front according to IEC 60529 IP20					
	ne front according to IEC 6					
display version for swite	touch protection on the front according to IEC 60529 display version for switching status					
Certificates/ approvals						
General Product App	roval					For use in hazard- ous locations
<u>Confirmation</u>				KC	EHC	KEx ATEX
For use in hazard- ous locations	Declaration of Conform	ity		Test Certificates		Marine / Shipping
IECEx	UK CA	CE EG-Konf.		<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS
Marine / Shipping						other
BUREAU VERITAS		Hoyd's Register urs		PRS	RINA	<u>Confirmation</u>
other	Railway					
	Vibration and Shock	<u>Confirmation</u>	2			

Further information

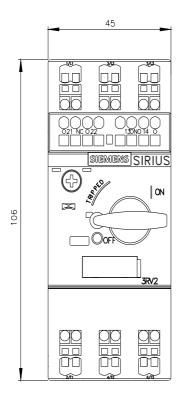
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification 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=3RV2011-0FA25 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0FA25 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0FA25 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0FA25&lang=en

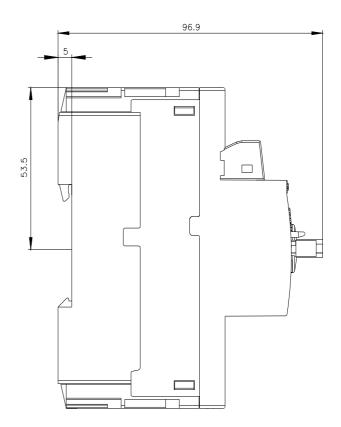
Characteristic: Tripping characteristics, I²t, Let-through current

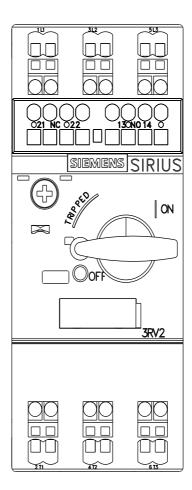
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0FA25/char

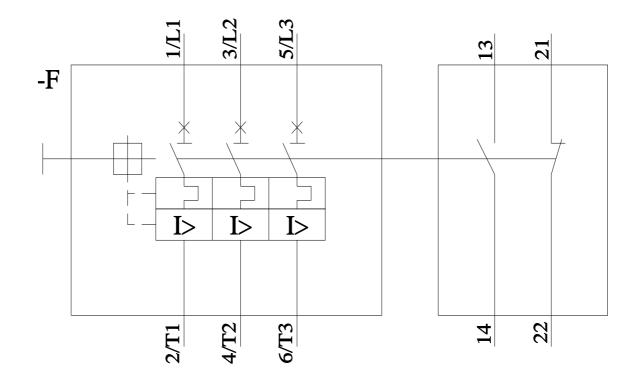
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0FA25&objecttype=14&gridview=view1









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