SIEMENS

Data sheet 3RV2011-0AA20



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.11...0.16 A N-release 2.1 A Spring-type terminal Standard switching capacity

product brand name	SIRIUS	
product designation	Circuit breaker	
design of the product	For motor protection	
product type designation	3RV2	
General technical data		
size of the circuit-breaker	S00	
size of contactor can be combined company-specific	S00, S0	
product extension auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	5.5 W	
 at AC in hot operating state per pole 	1.8 W	
insulation voltage with degree of pollution 3 at AC rated value	690 V	
surge voltage resistance rated value	6 kV	
maximum permissible voltage for safe isolation in networks with grounded star point		
 between main and auxiliary circuit 	400 V	
 between main and auxiliary circuit 	400 V	
shock resistance acc. to IEC 60068-2-27	25g / 11 ms	
mechanical service life (switching cycles)		
 of the main contacts typical 	100 000	
of auxiliary contacts typical	100 000	
electrical endurance (switching cycles) typical	100 000	
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD	
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001	
reference code acc. to IEC 81346-2	Q	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
 ambient temperature during operation 	-20 +60 °C	
 ambient temperature during storage 	-50 +80 °C	
 ambient temperature during transport 	-50 +80 °C	
temperature compensation	-20 +60 °C	
relative humidity during operation	10 95 %	
Main circuit		
number of poles for main current circuit	3	
adjustable current response value current of the	0.11 0.16 A	

690 V
690 V
50 60 Hz
0.16 A
0.16 A
20 W
40 W
60 W
60 W
15 1/h
0
0
0
No
Yes
CLASS 10
thermal
400.14
100 kA
100 kA
100 kA
100 kA
400 4
100 kA
100 kA
100 kA
100 kA
2.1 A
0.16 A
0.16 A
Yes
magnetic
any
screw and snap-on mounting onto 35 mm standard mounting rail
according to DIN EN 60715
106 mm
45 mm
97 mm
30 mm
30 mm
9 mm
9 11111
9 11111
30 mm



 — upwards — at the side • for live parts at 500 V — downwards — upwards — at the side • for grounded parts at 690 V — downwards — upwards 50 — upwards 	00 mm 00 mm 00 mm 00 mm 00 mm 00 mm
 — at the side ● for live parts at 500 V — downwards — upwards — at the side ● for grounded parts at 690 V — downwards — upwards 50 	0 mm 60 mm 9 mm 9 mm
 for live parts at 500 V — downwards — upwards — at the side 9 for grounded parts at 690 V — downwards — upwards 50 50 	00 mm 00 mm 0 mm
 — downwards — upwards — at the side ● for grounded parts at 690 V — downwards — upwards 50 	00 mm 0 mm 50 mm
 — downwards — upwards — at the side ● for grounded parts at 690 V — downwards — upwards 50 	00 mm 0 mm 50 mm
 — upwards — at the side ● for grounded parts at 690 V — downwards — upwards 50 	00 mm 0 mm 50 mm
 at the side for grounded parts at 690 V downwards upwards 50 	0 mm
 for grounded parts at 690 V — downwards — upwards 50 	60 mm
— downwards— upwards50	
— upwards 50	
	60 mm
) mm
	0 mm
) mm
	/ IIIIII
• for live parts at 690 V	20
	00 mm
	60 mm
) mm -
	0 mm
101110110) mm
Connections/ Terminals	
product function removable terminal for auxiliary and control circuit	No
type of electrical connection	
• for main current circuit	pring-loaded terminals
arrangement of electrical connectors for main current circuit	op and bottom
type of connectable conductor cross-sections	
• for main contacts	
	x (0,5 4 mm²)
	x (0.5 2.5 mm²)
	x (0.5 2.5 mm²)
	x (20 12)
	Diameter 3 mm
	3,0 x 0,5 mm
	,0 % 0,3 111111
Safety related data	
B10 value	
<u> </u>	5 000
proportion of dangerous failures	
	60 %
<u> </u>	0 %
failure rate [FIT]	
	0 FIT
T1 value for proof test interval or service life acc. to IEC 61508	0 y
protection class IP on the front acc. to IEC 60529	P20
touch protection on the front acc. to IEC 60529 fir	nger-safe, for vertical contact from the front
display version for switching status	Handle
Certificates/ approvals	
General Product Approval	For use in hazardous locations













For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping



Miscellaneous



Type Test
Certificates/Test
Report

Special Test Certificate



Marine / Shipping













other

Railway

Confirmation



Vibration and Shock

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?mlfb=3RV2011-0AA20

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2011-0AA20}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0AA20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0AA20&lang=en

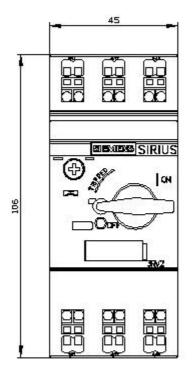
Characteristic: Tripping characteristics, I2t, Let-through current

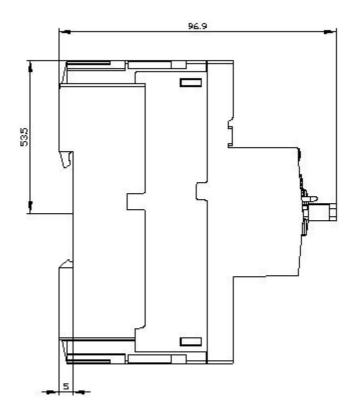
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0AA20/char

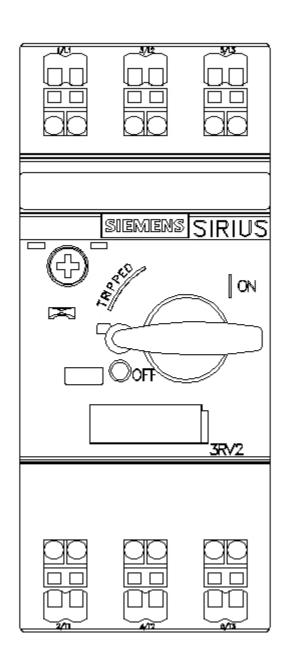
Further characteristics (e.g. electrical endurance, switching frequency)

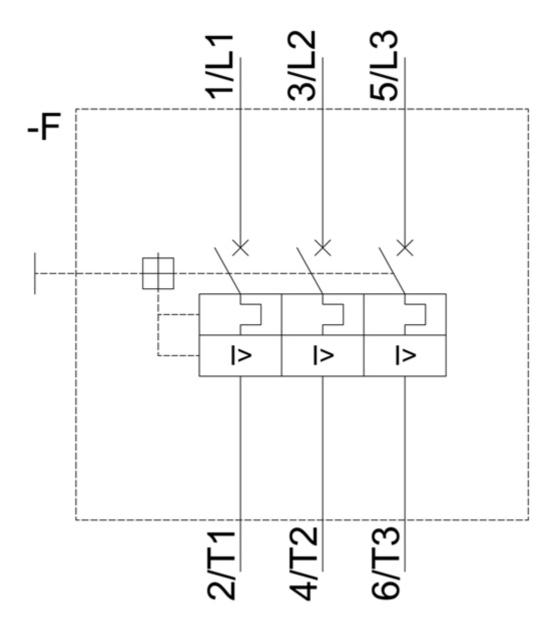
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0AA20&objecttype=14&gridview=view1











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