SIEMENS

Data sheet 3RV2011-0CA20



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.18...0.25 A N-release 3.3 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 value for main assurant aircuit	3
number of poles for main current circuit	

690 V
690 V
50 60 Hz
0.25 A
0.25 A
40 W
60 W
90 W
120 W
15 1/h
0
0
0
No
Yes
CLASS 10
thermal
100 kA
100 kA
100 kA
100 kA
100 kA
100 kA
100 kA
100 kA
3.3 A
0.25 A
0.25 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 mm
9 mm 30 mm



2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20 finger-safe, for vertical contact from the front Handle For use in hazardous locations
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20 finger-safe, for vertical contact from the front
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20 finger-safe, for vertical contact from the front
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 %
2x (20 12) Diameter 3 mm 3,0 x 0,5 mm 5 000
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2x (20 12) Diameter 3 mm 3,0 x 0,5 mm
2x (20 12) Diameter 3 mm
2x (20 12) Diameter 3 mm
2x (20 12) Diameter 3 mm
2x (20 12)
2x (0.5 2.5 mm²)
2x (0,5 4 mm²)
2v (0.5 4 mm²)
. op and bottom
spring-loaded terminals
No
0 mm
30 mm
0 mm
50 mm
50 mm
0 mm
30 mm
0 mm
50 mm
50 mm
9 mm
30 mm
30 mm
9 mm
30 mm
30 mm













Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other











Confirmation

other

Railway



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=3RV2011-0CA20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0CA20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0CA20

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0CA20&lang=en

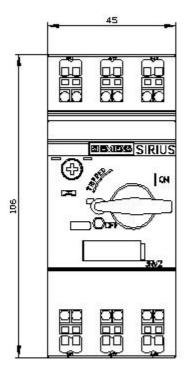
Characteristic: Tripping characteristics, I2t, Let-through current

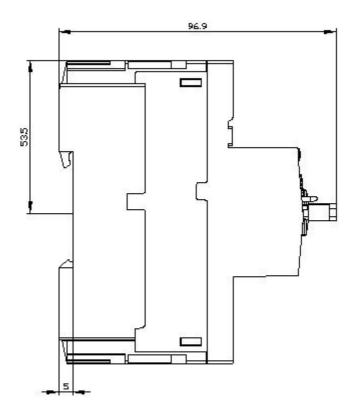
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0CA20/char

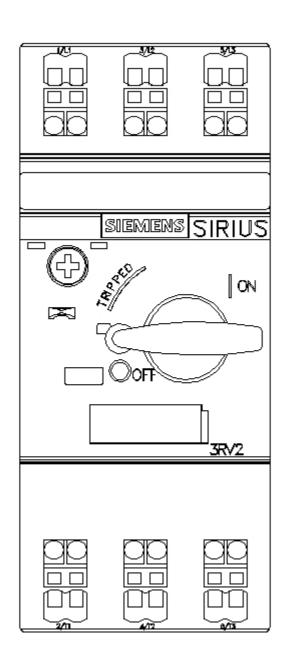
Further characteristics (e.g. electrical endurance, switching frequency)

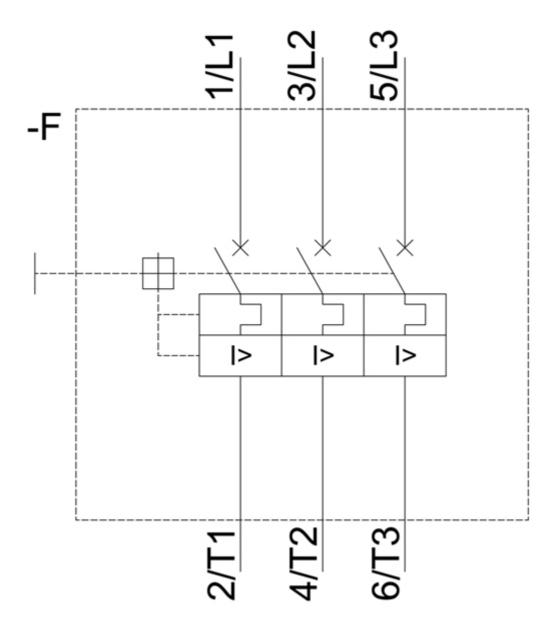
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0CA20&objecttype=14&gridview=view1











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