SIEMENS

Data sheet 3RV2011-0DA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.22...0.32 A N-release 4.2 A screw 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
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (operating 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 according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	0.22 0.32 A
operating voltage	
• rated value	20 690 V
 at AC-3 rated value maximum 	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.32 A
operational current	

• at AC-3 at 400 V rated value	0.32 A
• at AC-3e at 400 V rated value	0.32 A
operating power	
• at AC-3	
— at 230 V rated value	0 kW
— at 400 V rated value	0.09 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.1 kW
• at AC-3e	
— at 230 V rated value	0 kW
— at 400 V rated value	0.09 kW
— at 500 V rated value	0.1 kW
— at 690 V rated value	0.1 kW
operating frequency	
• at AC-3 maximum	15 1/h
at AC-3e maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
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 (Icu)	Ulcilliai
at AC at 240 V rated value	100 kA
at AC at 240 V rated value 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 (lcs) at AC	400 1.4
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	4.2 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	0.32 A
at 600 V rated value	0.32 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 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

General Product Approval	use in hazard-locations
- at the side • for grounded parts at 690 V - d-downwards - upwards - backwards - or man contacts - for man contacts with screw-type terminals - safety related data - B10 value - with low demand rate according to SN 31920 - with low demand rate according to SN 31920 - with low demand rate according to SRC 50 SC 50 Fin Greense For vertical contact from the front discless of protection on the front according to IEC 60529 - with low demand rate according to IEC 60529 - general Product Approvals - Sol man contact from the front decordinate on the front dended contact from the front dended contact or servicing safe, for vertical contact or servicing safe, for vertical contact or servicing safe, for vertical contact or servicing safe, for servicing safe, for vertical contact or servicing safe, for servicing safe, for vertical contact or servicing safe, for vertical contact or servicing safe, for vertical contact or servicing safe, for vertical contact from the front decording to IEC 60529 - with low demand rate according to IEC 60529 - for related proveds safe, for vertical contact from the front design proveds safe, for vertical contact from the front decording to IEC 60529 - for servicing safe, for vertical contact from the front design proveds safe, for vertical contact from the front decording to IEC 60529 - for servicing safe, for vertical contact from the front decording to IEC 60529 - for servicing safe, for vertical contact from the front decording to IEC 60529 - for servicing safe, for vertical contact from the front decording to IEC 60529 - for servicing safe, for vertical contact from the front design proved safe saccording to IEC 60529 - for servicing safe safe, for vertical contact from the front safe saccording to IEC 60529 - for safe safe saccording to IEC 60529 - for safe safe safe saccording to IEC 60529 - for saf	
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 — at the side ● for grounded parts at 690 V — downwards — upwards — backwards — at the side — forwards ● for live parts at 690 V — downwards — upwards — upwards — backwards — backwards — at the side 30 mm 50 mm — upwards — backwards — at the side 30 mm 	
 — at the side ● for grounded parts at 690 V — downwards — upwards — backwards — at the side — forwards ● for live parts at 690 V — downwards — upwards — upwards — backwards 0 mm 50 mm 50 mm 0 mm 	
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 — at the side ● for grounded parts at 690 V — downwards — upwards — backwards — at the side — at the side — forwards ● for live parts at 690 V 	
 — at the side ● for grounded parts at 690 V — downwards — upwards — backwards — at the side — forwards 0 mm 30 mm — forwards 0 mm 	
 — at the side 9 mm • for grounded parts at 690 V — downwards — upwards — backwards — at the side 9 mm 50 mm 0 mm 30 mm 	
 — at the side 9 mm for grounded parts at 690 V — downwards — upwards — backwards 50 mm — backwards 0 mm 	
 — at the side 9 mm for grounded parts at 690 V — downwards — upwards 50 mm 50 mm 	
— at the side 9 mm • for grounded parts at 690 V — downwards 50 mm	
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— at the side 9 mm	
Unwords 20 mm	
— downwards 30 mm	
• for live parts at 500 V	
— at the side 9 mm	
— upwards 30 mm	
— downwards 30 mm	
• for grounded parts at 500 V	







Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other











Confirmation

other

Railway



Vibration and Shock

Confirmation

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=3RV2011-0DA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0DA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0DA10

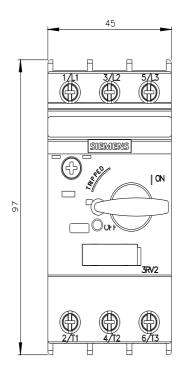
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

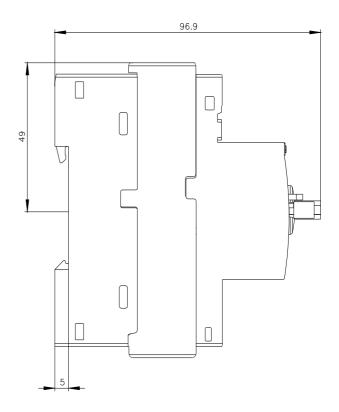
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0DA10&lang=en

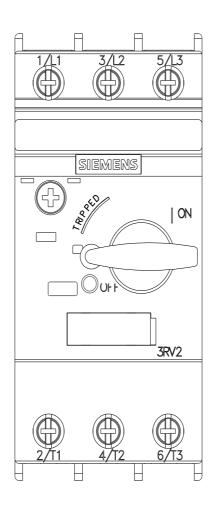
Characteristic: Tripping characteristics, I2t, Let-through current

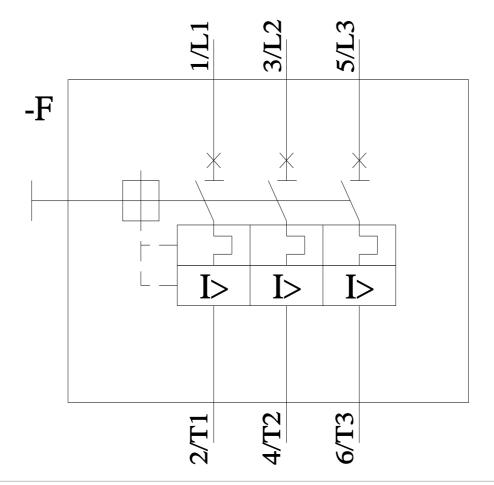
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0DA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0DA10&objecttype=14&gridview=view1









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