SIEMENS

Data sheet 3RV1011-0AA15

0101110



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.11...0.16 A N-release 2.1 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC

product brand name SIF	RIUS	
product designation Cir	cuit breaker	
design of the product Fo	r motor protection	
product type designation 3R	V1	
General technical data		
size of the circuit-breaker S0	0	
size of contactor can be combined company-specific S0	0	
product extension auxiliary switch Ye	s	
power loss [W] for rated value of the current		
• at AC in hot operating state 5.5	5 W	
• at AC in hot operating state per pole 1.8	3 W	
insulation voltage with degree of pollution 3 at AC rated value 69	0 V	
surge voltage resistance rated value 6 k	⟨V	
mechanical service life (operating cycles)		
• of the main contacts typical	0 000	
• of auxiliary contacts typical	0 000	
electrical endurance (operating cycles) typical	0 000	
reference code according to IEC 81346-2 Q		
Substance Prohibitance (Date) 01	/01/2013	
SVHC substance name Ble	ei - 7439-92-1	
Ambient conditions		
installation altitude at height above sea level maximum 2 0	000 m	
ambient temperature		
• during operation -20	0 +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	11 0.16 A	
operating voltage		
• rated value 20	690 V	
• at AC-3 rated value maximum 69	0 V	
• at AC-3e rated value maximum 69	0 V	
operating frequency rated value 50	60 Hz	
operational current rated value 0.1	16 A	
operational current		
• at AC-3 at 400 V rated value 0.1	16 A	
• at AC-3e at 400 V rated value 0.1	16 A	

operating power	
• at AC-3	
— at 230 V rated value	0 kW
— at 400 V rated value	0.04 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	0.04 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	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
• note	1
number of NO contacts for auxiliary contacts	1
• note	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A
• at 110 V	2 A
• at 120 V	2 A
• at 125 V	2 A
• at 230 V	0.5 A
	0.5 A
operational current of auxiliary contacts at DC-13	1 A
at 24 Vat 60 V	0.15 A
	0.15 A
Protective and monitoring functions	
product function	N.
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)	400 4
• 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 (lcs) 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	100 kA 2.1 A
response value current of instantaneous short-circuit trip unit UL/CSA ratings	
<u> </u>	
UL/CSA ratings	
UL/CSA ratings full-load current (FLA) for 3-phase AC motor	2.1 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	2.1 A 0.16 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	2.1 A 0.16 A 0.16 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL	2.1 A 0.16 A 0.16 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection	2.1 A 0.16 A 0.16 A C300 / R300
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection	2.1 A 0.16 A 0.16 A C300 / R300 Yes
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip	2.1 A 0.16 A 0.16 A C300 / R300 Yes
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link	2.1 A 0.16 A 0.16 A C300 / R300 Yes magnetic
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection 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	2.1 A 0.16 A 0.16 A C300 / R300 Yes magnetic

● at 500 V	None required
• at 690 V	None required
nstallation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	90 mm
width	45 mm
depth	75 mm
required spacing	
 for grounded parts at 400 V 	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
for grounded parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
for grounded parts at 690 V	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
• for live parts at 690 V	· · · · · · · · · · · · · · · · · · ·
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
onnections/ Terminals	O Hilli
type of electrical connection	
for main current circuit	corow typo terminals
	screw-type terminals screw-type terminals
for auxiliary and control circuit arrangement of electrical connectors for main current	Top and bottom
circuit	Top and bottom
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
tightening torque	
for main contacts with screw-type terminals	0.8 1.2 N·m
for auxiliary contacts with screw-type terminals	0.8 1.2 N·m
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
• for main contacts	M3
of the auxiliary and control contacts	M3
afety related data	
proportion of dangerous failures	
proportion of dangerous families	
 with low demand rate according to SN 31920 	50 %

failure rate [FIT] with low demand rate according to SN 31920	50 FIT
B10 value with high demand rate according to SN 31920	5 000
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
display version for switching status	Rocker switch
Approvals Cartificates	

Approvals Certificates

General Product Approval

For use in hazardous locations



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping



LRS









Confirmation

other

other

Railway

Miscellaneous



Special Test Certificate

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=3RV1011-0AA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0AA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0AA15

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

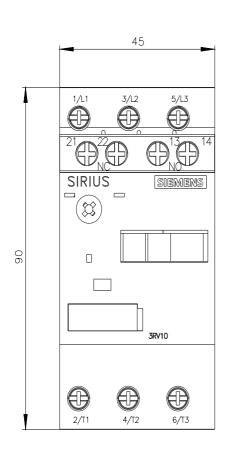
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0AA15&lang=en

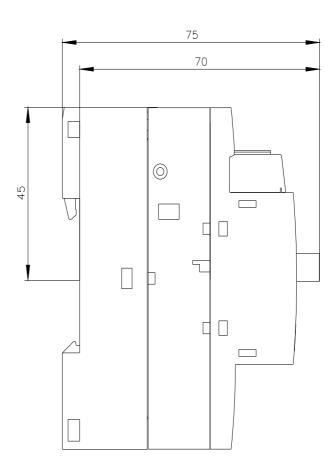
Characteristic: Tripping characteristics, I²t, Let-through current

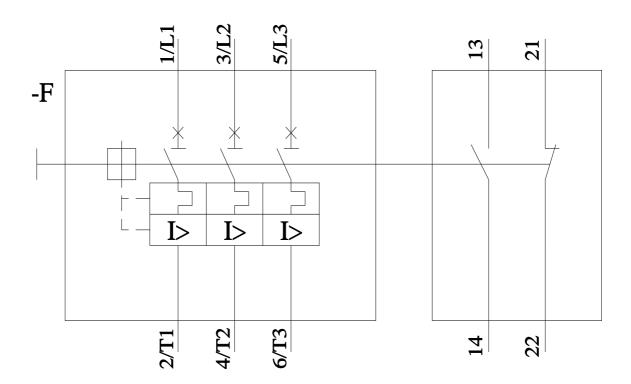
https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0AA15/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0AA15&objecttype=14&gridview=view1







last modified: 9/5/2023 🖸

