SIEMENS

Data sheet

3RV1011-0JA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.7...1 A N-release 13 A Screw terminal Standard switching capacity

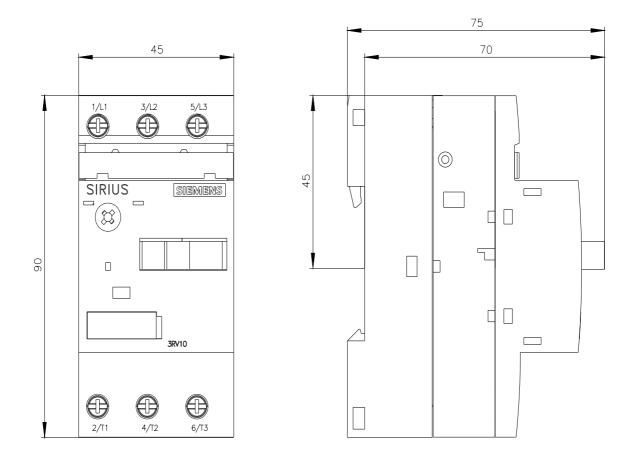
SIRIUS
Circuit breaker
For motor protection
3RV1
S00
S00
Yes
5.5 W
1.8 W
690 V
6 kV
100 000
100 000
100 000
Q
01/01/2013
Lead - 7439-92-1
2 000 m
-20 +60 °C
-50 +80 °C
-50 +80 °C
10 95 %
3
0.7 1 A
20 690 V
690 V
690 V
50 60 Hz
1 A
1 A

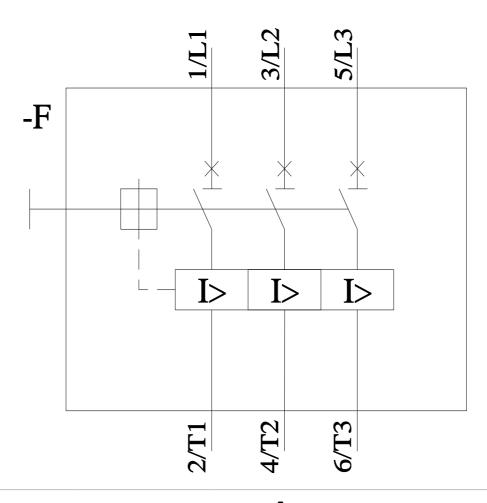
operating power	
• at AC-3	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.25 kW
— at 500 V rated value	0.4 kW
— at 690 V rated value	0.6 kW
● at AC-3e	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.25 kW
— at 500 V rated value	0.4 kW
— at 690 V rated value	0.6 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
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)	
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	13 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1 A
• at 600 V rated value	1A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
- at 575/600 V rated value	0.5 hp
Short-circuit protection	0.0 mp
	Vec
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 240 V	none required
• at 400 V	gL/gG 10 A
• at 500 V	gL/gG 10 A
• at 690 V	gL/gG 10 A
Installation/ 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	

	20
— 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
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type 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 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
Safety related data	
product function suitable for safety function	Yes
suitability for use	
 safety-related switching on 	No
safety-related switching OFF	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Туре А
Electrical Safety	
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					
	display version for switching status				
Approvals Certificates		_		_	
General Product Appr	oval				
CE EG-Konf.	UK CA	CCC	<u>Confirmation</u>	(U) u	KC
General Product Approval	For use in hazardous I	ocations	Test Certificates		Marine / Shipping
EHC	KEX ATEX	IECEX	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS
Marine / Shipping					
BUREAU VERITAS		Llovd's Register uis	PRS	RINA	RMRS
other			Railway	Environment	
<u>Confirmation</u>	<u>Miscellaneous</u>		Special Test Certific- ate	Environmental Con- firmations	
Further information					
Information on the pac https://support.industry. Information- and Down https://www.siemens.co Industry Mall (Online of https://mall.industry.sier Cax online generator http://support.automatio Service&Support (Mar https://support.industry. Image database (produ http://www.automation.s Characteristic: Trippir https://support.industry.	siemens.com/cs/ww/en/vie nloadcenter (Catalogs, B m/ic10 ordering system) nens.com/mall/en/en/Cata n.siemens.com/WW/CAXC nuals, Certificates, Chara siemens.com/cs/ww/en/ps/	rochures,) log/product?mlfb=3RV1 rder/default.aspx?lang cteristics, FAQs,) (3RV1011-0JA10 n drawings, 3D model 2.aspx?mlfb=3RV1011- -through current (3RV1011-0JA10/char	=en&mlfb=3RV1011-0JA10 ls, device circuit diagrams -0JA10⟨=en		

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0JA10&objecttype=14&gridview=view1





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