SIEMENS

Data sheet

3RV2011-0JA20



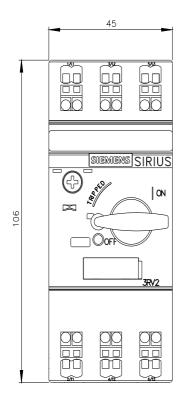


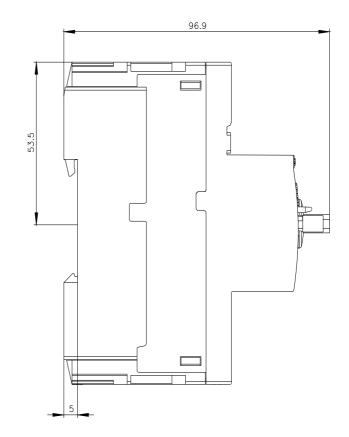


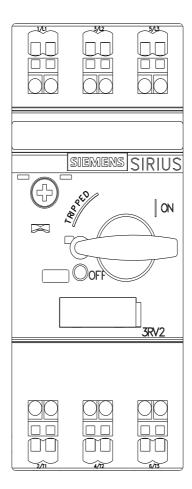
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	0.7 1 A
operating voltage rated value 	20 690 V
	20 690 V
• at AC-3 rated value maximum	
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	1 A
operational current	
• at AC-3 at 400 V rated value	1A
at AC-3e at 400 V rated value	1 A
operating power	
• at AC-3	
— at 230 V rated value	0.2 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	0.2 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 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)	
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 (Ics) at AC	100 kA
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	1 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 575/600 V rated value	0.5 hp
Short-circuit protection	
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 500 V	gL/gG 10 A
• at 690 V	gL/gG 10 A

nstallation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	106 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
 for grounded parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
● for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
 for live parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
onnections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded 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 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm ²)
 — finely stranded without core end processing 	2x (0.5 2.5 mm ²)
 for AWG cables for main contacts 	2x (20 12)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
afety related data	
product function suitable for safety function	Yes
suitability for use	
safety-related switching on	No
safety-related switching OFF	Yes
	10 a
service life maximum	
	Yes
test wear-related service life necessary	Yes
test wear-related service life necessary proportion of dangerous failures	
test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920	40 %
test wear-related service life necessary proportion of dangerous failures	

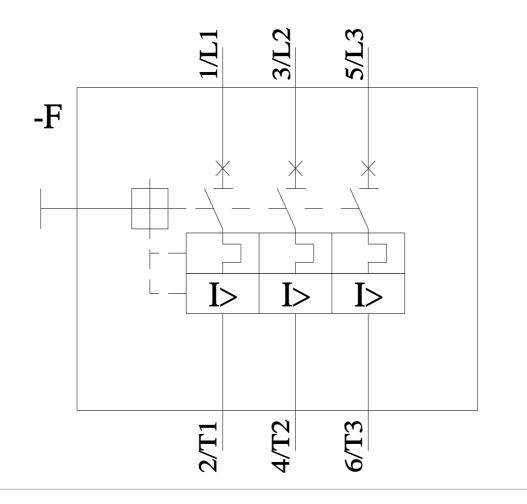
31920					
ISO 13849	n to 100 400 40		0		
device type according	-		3		
IEC 61508	cording to ISO 13849-2 ne	ecessary	Yes		
	cording to IEC 61508-2		Туре А		
T1 value			Турс А		
for proof test interval or service life according to IEC 61508		10 a			
Electrical Safety					
protection class IP on the front according to IEC 60529		IP20			
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front			
isplay					
display version for swit	ching status		Handle		
pprovals Certificates					
General Product App	oroval				
CE EG-Konf.	UK CA		<u>Confirmation</u>		EHC
For use in hazardous	locations	Test Certificate	S	Marine / Shipping	
IECE×	Ex ATEX	Special Test Ce ate	tific- <u>Type Test Certific-</u> <u>ates/Test Report</u>	ABS	BUREAU VERITAS
Marine / Shipping				other	
	Lloyd's Register us	PRS	RINA	<u>Confirmation</u>	<u>Miscellaneous</u>
other	Railway		Environment		
	<u>Special Test Certific-</u> <u>ate</u>	<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations
Information- and Dow https://www.siemens.cr Industry Mall (Online https://mall.industry.sie Cax online generator http://support.automation Service&Support (Ma https://support.industry Image database (proor http://www.automation. Characteristic: Trippi	siemens.com/cs/ww/en/vie mloadcenter (Catalogs, B om/ic10 ordering system) mens.com/mall/en/en/Cata on.siemens.com/WW/CAX(nuals, Certificates, Chara siemens.com/cs/ww/en/ps	rochures,) llog/product?mlfb= order/default.aspx icteristics, FAQs /3RV2011-0JA20 in drawings, 3D r e.aspx?mlfb=3RV t-through current	2 <u>lang=en&mlfb=3RV2011-0JA2</u>) nodels, device circuit diagran 2011-0JA20⟨=en	-	







Subject to change without notice © Copyright Siemens



last modified:

11/6/2024 🖸