SIEMENS

Data sheet

3RV2311-1EC10



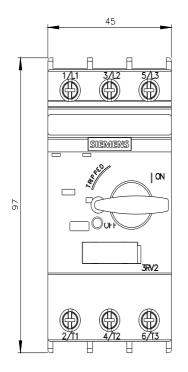
Circuit breaker size S00 for starter combination Rated current 4 A N release 52 A screw terminal Standard switching capacity

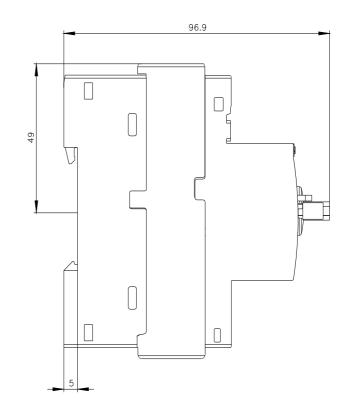
and at here down				
product brand name	SIRIUS			
product designation	Circuit breaker			
design of the product	For starter combinations			
product type designation	3RV2			
General technical data				
size of the circuit-breaker	S00			
size of contactor can be combined company-specific	S00, S0			
product extension auxiliary switch	Yes			
power loss [W] for rated value of the current				
 at AC in hot operating state 	7.25 W			
 at AC in hot operating state per pole 	2.4 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			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	10/01/2009			
SVHC substance name	Lead - 7439-92-1			
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			
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	4 A			
operational current				
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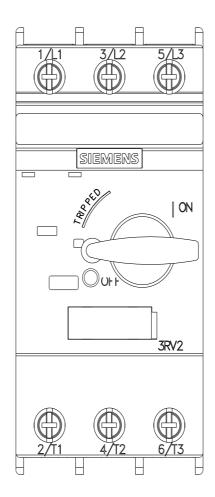
 at AC-3 at 400 V rated value 	4 A				
• at AC-3e at 400 V rated value	4 A				
operating power					
• at AC-3					
— at 230 V rated value	0.8 kW				
— at 400 V rated value	1.5 kW				
— at 500 V rated value	2.2 kW				
— at 690 V rated value	3 kW				
• at AC-3e					
— at 230 V rated value	0.8 kW				
— at 400 V rated value	1.5 kW				
— at 500 V rated value	2.2 kW				
— at 690 V rated value	3 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				
	U				
Protective and monitoring functions					
product function	Na				
ground fault detection	No				
phase failure detection	No				
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	6 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	4 kA				
response value current of instantaneous short-circuit trip unit	52 A				
UL/CSA ratings					
full-load current (FLA) for 3-phase AC motor					
• at 480 V rated value	4 A				
• at 600 V rated value	4 A				
yielded mechanical performance [hp]					
 for single-phase AC motor 					
— at 110/120 V rated value	0.13 hp				
— at 230 V rated value	0.33 hp				
• for 3-phase AC motor					
- at 200/208 V rated value	0.8 hp				
— at 220/230 V rated value	0.75 hp				
— at 460/480 V rated value	2 hp				
— at 575/600 V rated value	3 hp				
Short-circuit protection					
	Yes				
product function short circuit protection					
design of the short-circuit trip	magnetic				
design of the fuse link for IT network for short-circuit protection of the main circuit					
• at 400 V	gL/gG 32 A				
• at 500 V	gL/gG 32 A				
• at 690 V	gL/gG 25 A				
Installation/ mounting/ dimensions	9-9-9-2-7 A				
	2017				
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			
 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			
— upwards — backwards	0 mm			
— at the side	30 mm			
— forwards				
	0 mm			
• for live parts at 690 V	50 mm			
— downwards	50 mm			
— upwards	50 mm			
— backwards	0 mm			
— at the side	30 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	$2v (0.75 - 0.5 mm^2) 2v 4 mm^2$			
 — finely stranded with core end processing 	$2x (0.75 \dots 2.5 \text{ mm}^2), 2x 4 \text{ mm}^2$			
	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)			
for AWG cables for main contacts	2x (18 14), 2x 12			
tightening torque				
for main contacts with screw-type terminals	0.8 1.2 N·m			
design of screwdriver shaft	Diameter 5 to 6 mm			
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			
	Yes			
test wear-related service life necessary				
test wear-related service life necessary proportion of dangerous failures				
	40 %			
proportion of dangerous failures	40 % 50 %			
proportion of dangerous failureswith low demand rate according to SN 31920				
 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 	50 %			
 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 	50 % 5 000			

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device type according	ı to ISO 13849-1 cording to ISO 13849-2 r	00066051	3 Yes			
IEC 61508	ording to 150 13649-21	lecessary	res			
	cording to IEC 61508-2		Туре А			
T1 value			.,,			
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	IP20			
touch protection on the front according to IEC 60529			finger-safe, for vertical contact from the front			
lisplay				_	_	_
display version for swite pprovals Certificates	ching status		Handle			
		_		_		
General Product App	rovai					
CE EG-Konf.	UK CA	<u>Confirmatic</u>				EHC
Test Certificates		Marine / Shipp	ing			
<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS				Lloyd's Register urs
Marine / Shipping		other				Railway
PRS	RINA	<u>Miscellaneo</u>	<u>us Con</u>	<u>ifirmation</u>		Special Test Certific- ate
Railway	Environment					
<u>Confirmation</u>	EPD	Siemens EcoTech		i <u>mental Con-</u> mations		
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Information on the pa						
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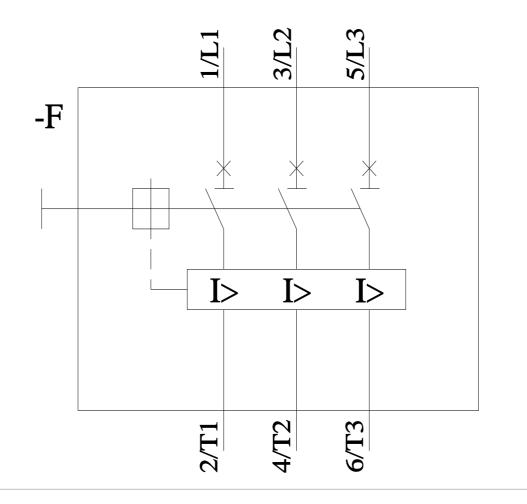




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