## **SIEMENS**

## Data sheet

## 3RV2411-1HA10-0BA0



SPECIAL TYPE CIRCUIT BREAKER SIZE S00, FOR TRANSFORMER PROTECTION A-RELEASE 5.5...8A, SHORT-CIRCUIT RELEASE 163A, SCREW TERMINAL, STANDARD SWITCHING CAPACITY AMBIENT TEMPERATURE -50 GRAD 500 SWITCHING CYCLES

Figure similar			
product brand name		SIRIUS	
Product designation		3RV2 circuit breaker	
General technical data:			
Active power loss total typical	W	7	
Insulation voltage			
<ul> <li>with degree of pollution 3 Rated value</li> </ul>	V	690	
Shock resistance			
• acc. to IEC 60068-2-27		25g / 11 ms	
Surge voltage resistance Rated value	kV	6	
Mechanical service life (switching cycles)			
<ul> <li>of the main contacts typical</li> </ul>		500	
<ul> <li>of the auxiliary contacts typical</li> </ul>		500	
Electrical endurance (switching cycles)			
• typical		100 000	
Temperature compensation	°C	-20 +60	
Protection class IP			
• on the front		IP20	
• of the terminal		IP20	
Equipment marking			
• acc. to DIN EN 81346-2		Q	
Main circuit:			

Indiri circuit.		
Number of poles for main current circuit		3
Adjustable response value current of the current- dependent overload release	A	5.5 8
Operating voltage		

V	690
V	690
Hz	50 60
А	8
A	8
W	1 500
W	3 000
W	4 000
W	5 500
1/h	15
	0
-	
	0
_	
	0
-	Yes
	CLASS 10
_	thermal
_	
kA	100
kA	100
kA	42
kA	4
kA	100
kA	100
kA	42
kA	6
kA	10
kA	10
	V Hz A W W W W W 1/h 1/h

<ul> <li>with 3 current paths in series for DC at 450 V</li> <li>Rated value</li> </ul>	kA	10
Response value current of the instantaneous short- circuit release	A	163
UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	А	8
• at 600 V Rated value	А	8
yielded mechanical performance [hp]		
<ul> <li>for single-phase AC motor at 110/120 V Rated value</li> </ul>	metric hp	0.333
<ul> <li>for single-phase AC motor at 230 V Rated value</li> </ul>	metric hp	1
<ul> <li>for three-phase AC motor at 200/208 V Rated value</li> </ul>	metric hp	2
<ul> <li>for three-phase AC motor at 220/230 V Rated value</li> </ul>	metric hp	2
<ul> <li>for three-phase AC motor at 460/480 V Rated value</li> </ul>	metric hp	5
<ul> <li>for three-phase AC motor at 575/600 V Rated value</li> </ul>	metric hp	5

## Short-circuit:Product function Short circuit protectionYesDesign of the short-circuit tripmagneticDesign of the fuse link for IT network for short-circuit<br/>protection of the main circuitgL/gG 50 A• at 400 VgL/gG 40 A• at 690 VgL/gG 35 A

Installation/ mounting/ dimensions:				
mounting position		any		
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
Height	mm	97		
Width	mm	45		
Depth	mm	96		
Required spacing				
<ul> <li>with side-by-side mounting</li> </ul>				
— forwards	mm	0		
— Backwards	mm	0		
— upwards	mm	50		
— downwards	mm	50		
— at the side	mm	0		

<ul> <li>for grounded parts</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— at the side	mm	30
— downwards	mm	50
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	30

Connections/ Terminals:		
Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		screw-type terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function		
<ul> <li>removable terminal for auxiliary and control circuit</li> </ul>		No
Type of connectable conductor cross-section	_	
• for main contacts		
— single or multi-stranded		2x (0,75 2,5 mm²), 2x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>for AWG conductors for main contacts</li> </ul>		2x (18 14), 2x 12
Tightening torque		
• for main contacts with screw-type terminals	N∙m	0.8 1.2
Design of screwdriver shaft	-	Diameter 5 to 6 mm
Design of the thread of the connection screw		
• for main contacts		M3
Safety related data:		
B10 value with high demand rate acc. to SN 31920		50 000
Proportion of dangerous failures	_	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	%	40
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	%	40
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	50
T1 value for proof test interval or service life acc. to IEC 61508	У	10
Protection against electrical shock		finger-safe

Size of the circuit-bro	eaker		-	S00		
Ambient conditions:						
Installation altitude at height above sea level maximum		m	2 000			
Ambient temperature	Ambient temperature		_			
<ul> <li>during operation</li> </ul>	on		°C	-50 +60		
<ul> <li>during storage</li> </ul>			°C	-50 +80		
<ul> <li>during transport</li> </ul>	rt		°C	-50 +80		
Relative humidity du	ring operation		%	10 95		
Display:						
Display version						
<ul> <li>for switching st</li> </ul>	tatus			Handle		
Certificates/ approv	als:					
General	Declaration of	Test Certif	icates			Shipping
Product	Conformity					Approval
Approval				,		
EHC	EG-Konf.	<u>Special Te</u> Certificate		eclaration of the mpliance with the order	<u>Type Test</u> Certificates/Test <u>Report</u>	ABS
Shipping Approv	/al					
B U R E A U V E R I T A S	ĴÅ DNV DNV	GL GL	R	lovd's egister Lrs	PRS	RINA
Shipping Approval	other					
RMRS	Confirmation	Environmer Confirmatic		VDE	<u>other</u>	
Further information	Further information					

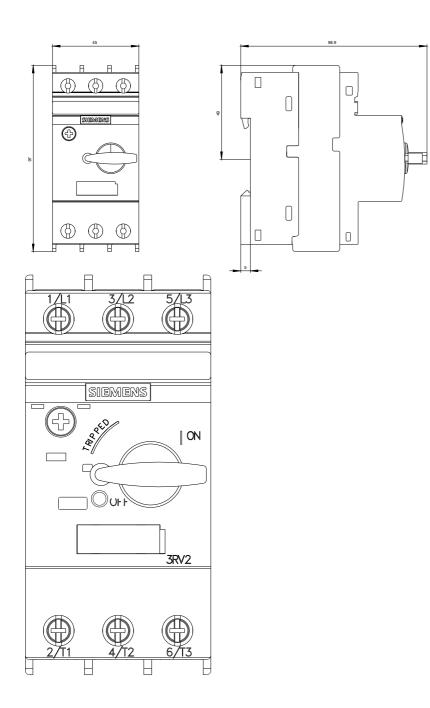
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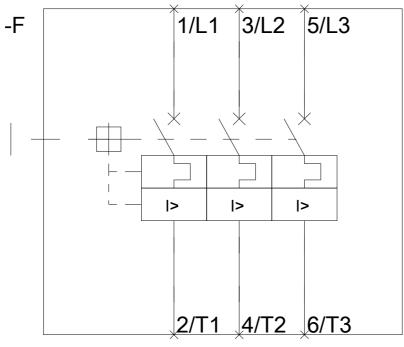
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV24111HA100BA0

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