SIEMENS

Data sheet

3RV2111-0HA10



CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, W. OVERLOAD RELAY FUNCTION A-RELEASE 0.55...0.8A,N-RELEASE 10A SCREW CONNECTION, STANDARD SW. CAPACITY

Product designation3RV2 circuit breakerCeneral technical data:V6Active power loss total typicalW6Insulation voltageV690Shock resistanceV690Shock resistanceV690Surge voltage resistance Rated valueKV6Mechanical service life (switching cycles)KV6Of the main contacts typical100 000100 000Electrical endurance (switching cycles)100 000100 000Itemperature compensation°C-20 +60Size of contactor can be combined company-specificS00Protection class IPIP20of the terminalIP20Type of protectionIncreased safetyEquipment marking • acc. to DIN EN 81346-2QMain circuit:X	product brand name		SIRIUS
Ceneral technical data: W 6 Active power loss total typical W 6 Insulation voltage V 690 Shock resistance 25g / 11 ms e. acc. to IEC 60068-2-27 25g / 11 ms Surge voltage resistance Rated value KV 6 Mechanical service life (switching cycles) 100 000 e. of the main contacts typical 100 000 e. of the auxiliary contacts typical 100 000 Electrical endurance (switching cycles) 100 000 e. typical 100 000 Temperature compensation °C -20 +60 Size of contactor can be combined company-specific S00 Protection class IP IP20 e. on the front IP20 IP20 IP20 e. of the terminal IP20 Increased safety Equipment marking Q Main circuit:			
Active power loss total typicalW6Insulation voltageV690with degree of pollution 3 Rated valueV690Shock resistance25g / 11 ms• acc. to IEC 60068-2-2725g / 11 msSurge voltage resistance Rated valuekV6Mechanical service life (switching cycles)100 000• of the main contacts typical100 000• of the auxiliary contacts typical100 000Electrical endurance (switching cycles)100 000• typical100 000Temperature compensation°CSize of contactor can be combined company-specificS00Protection class IPIP20• on the frontIP20• of the terminalIP20Type of protectionIncreased safetyEquipment markingQ• acc. to DIN EN 81346-2Q	roudel designation		
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• of the auxiliary contacts typical100 000Electrical endurance (switching cycles) • typical100 000Temperature compensation°CSize of contactor can be combined company-specificS00Protection class IP • on the frontIP20• of the terminalIP20Type of protectionIncreased safetyEquipment marking • acc. to DIN EN 81346-2Q	Mechanical service life (switching cycles)		
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Protection class IPIP20• on the frontIP20• of the terminalIP20Type of protectionIncreased safetyEquipment marking • acc. to DIN EN 81346-2QMain circuit:Image: State S	Temperature compensation	°C	-20 +60
• on the frontIP20• of the terminalIP20Type of protectionIncreased safetyEquipment markingQ• acc. to DIN EN 81346-2Q	Size of contactor can be combined company-specific		S00
• of the terminal IP20 Type of protection Increased safety Equipment marking Q • acc. to DIN EN 81346-2 Q	Protection class IP		
Type of protection Increased safety Equipment marking Q • acc. to DIN EN 81346-2 Q	• on the front		IP20
Equipment marking Q • acc. to DIN EN 81346-2 Q	• of the terminal		IP20
acc. to DIN EN 81346-2 Q Main circuit:	Type of protection		Increased safety
Main circuit:	Equipment marking		
	• acc. to DIN EN 81346-2		Q
	Main aircuit		
Number of poles for main current circuit 3			2

	Δ	0.55 0.8
Adjustable response value current of the current- dependent overload release	A	0.55 0.6
Operating voltage	_	
Rated value	V	690
 at AC-3 Rated value maximum 	V	690
Operating frequency Rated value	Hz	50 60
Operating current Rated value	А	0.8
Operating current		
● at AC-3		
— at 400 V Rated value	А	0.8
Operating power		
• at AC-3		
— at 230 V Rated value	W	120
— at 400 V Rated value	W	180
— at 500 V Rated value	W	250
— at 690 V Rated value	W	370
Operating frequency		
• at AC-3 maximum	1/h	15
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
Product expansion Auxiliary switch		Yes
Design of the auxiliary switch		laterally
Operating current of the auxiliary contacts at AC-15		
• at 24 V	A	1.5
• at 230 V	A	1.5
Operating current of the auxiliary contacts at DC-13		
• at 24 V	A	1
Protective and monitoring functions:		
Trip class		CLASS 10 thermal
Design of the overload circuit breaker Operational short-circuit current breaking capacity		urennal
(lcs) with AC		
• at 240 V Rated value	kA	100
• at 400 V Rated value	kA	100
• at 500 V Rated value	kA	100
at 690 V Rated value	kA	100
Maximum short-circuit current breaking capacity (Icu)		
maxing of a contract of the contracting the contracting the contract of the co		

kA	100
kA	100
kA	100
kA	100
-	
kA	10
kA	10
kA	10
A	10
А	0.8
А	0.8
-	C600 / R300
	Yes
-	magnetic
-	
	fuse gL/gG: 6 A, quick: 10 A
_	
	gL/gG 6 A
	any
_	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
mm	97
mm	65
mm	96
mm	0
mm	0
mm mm	0 0
mm mm mm	0 0 50
mm mm mm	0 0 50 50
	кА кА кА кА кА кА кА кА кА кА

— 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		
 for main current circuit 		screw-type terminals
 for auxiliary and control current circuit 		screw-type terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function	-	
 removable terminal for auxiliary and control circuit 		No
Type of connectable conductor cross-section	-	
 for main contacts 		
— single or multi-stranded		2x (0,75 2,5 mm²), 2x 4 mm²
— finely stranded with core end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG conductors for main contacts 		2x (18 14), 2x 12
 for auxiliary contacts 		
— single or multi-stranded		2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
— finely stranded with core end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG conductors for auxiliary contacts 		2x (20 16), 2x (18 14)
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
 of the auxiliary and control contacts 		M3
Safety related data:		
B10 value with high demand rate acc. to SN 31920		50 000
Proportion of dangerous failures		
• with low demand rate acc. to SN 31920	%	40
• with high demand rate acc. to SN 31920	%	40
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	50

T4 volve for proof to				10		
T1 value for proof te IEC 61508		e lile acc. lo	У	10		
Protection against e	lectrical shock			finger-safe		
-			_			
Mechanical data: Size of the circuit-br	a a kan			S00	_	_
Size of the circuit-br	eaker			300		
Ambient conditions						
Installation altitude a	at height above sea	level	m	2 000		
maximum						
Ambient temperatur						
 during operation 			°C	-20 +60		
 during storage 	9		°C	-50 +80		
 during transpo 			°C	-50 +80		
Relative humidity du	iring operation		%	10 95		
Display:						
Display version						
 for switching s 	tatus			Handle		
Certificates/ approv	als:					
General Produc				Declaration of	Test Certificates	
				Conformity		
$\overline{}$					Type Test	Special Test
	(S)	CO (Type Test Certificates/Test	Special Test Certificate
	(SP)	EHC		Conformity	Type Test	
	CSA CSA	EAC			Type Test Certificates/Test	
	CSA	EAC		Conformity	Type Test Certificates/Test	
	CSA	EHC		Conformity	Type Test Certificates/Test	
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

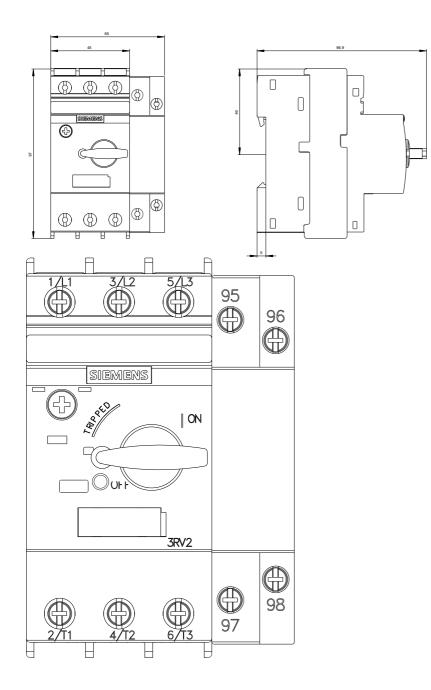
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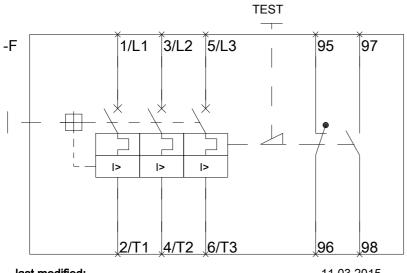
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