## **SIEMENS**

Data sheet 3RV2311-0EC10



CIRCUIT-BREAKER SZ S00, FOR STARTER COMBINATION, RATED CURRENT 0.4A, N-RELEASE 5.2A, SCREW CONNECTION, STANDARD SW. CAPACITY

product brand name	SIRIUS
Product designation	3RV2 circuit breaker

General technical data:			
Active power loss total typical	W	5	
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>		100 000	
<ul> <li>of the auxiliary contacts typical</li> </ul>		100 000	
Electrical endurance (switching cycles)			
• typical		100 000	
Size of contactor can be combined company-specific		S00	
Protection class IP			
• on the front		IP20	
of the terminal		IP20	
Equipment marking			
• acc. to DIN EN 81346-2		Q	

Main circuit:			
Number of poles for main current circuit		3	
Operating voltage			
Rated value	V	690	

	090
Hz	50 60
Α	0.4
Α	0.4
W	60
W	90
W	120
W	180
-	
1/h	15
	2
	0
	2
	0
	2
	0
	Yes
I. A	100
	100
	100
	100
kA	100
1- 0	100
	100
	100
	100
kA	100
kA	10
kA	10
kA	10
NA .	
	A  W W W W 1/h  kA kA kA kA kA

690

• at AC-3 Rated value maximum

UL/CSA ratings:			
Full-load current (FLA) for three-phase AC motor			
● at 480 V Rated value	Α	0.4	
● at 600 V Rated value	Α	0.4	
Short-circuit:			
Product function Short circuit protection		Yes	
Design of the short-circuit trip		magnetic	
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	
• for grounded parts			
— 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			
• for main current circuit		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		
<ul><li>— single or multi-stranded</li></ul>		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		
<ul> <li>for main contacts with screw-type terminals</li> </ul>	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
Mechanical data:		
Size of the circuit-breaker		S00
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
<ul><li>during operation</li></ul>	°C	-20 +60
during storage	°C	-50 <b>+</b> 80
during transport	°C	-50 <b>+</b> 80
Relative humidity during operation	%	10 95
Display:		
Display version		
• for switching status		Handle
Certificates/ approvals:		

### **General Product Approval**

# Declaration of Conformity

#### **Test Certificates**









Special Test
Certificate

Type Test
Certificates/Test
Report

Test

**Shipping Approval** 

## Certificates

Declaration of the Compliance with the order









GL



LRS

**Shipping Approval** 

other







Confirmation

Environmental Confirmations



other

other

#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

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=3RV23110EC10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RV23110EC10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV23110EC10&lang=en



