SIEMENS

Data sheet

3RV2311-0KC10



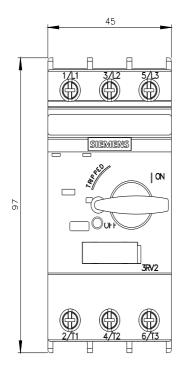
Circuit breaker size S00 for starter combination Rated current 1.25 A N-release 16 A screw terminal Standard switching capacity

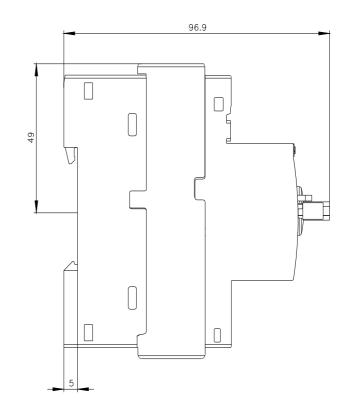
product brand name	SIRIUS			
product designation	Circuit breaker			
design of the product	For starter combinations			
product type designation	3RV2			
General technical data				
size of the circuit-breaker	S00			
size of contactor can be combined company-specific	S00, S0			
product extension auxiliary 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	1.25 A			
operational current				

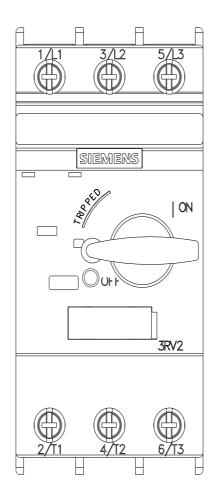
• at AC-3 at 400 V rated value	1.25 A
• at AC-3e at 400 V rated value	1.25 A
operating power	
● at AC-3	
— at 230 V rated value	0.2 kW
— at 400 V rated value	0.4 kW
— at 500 V rated value	0.4 kW
— at 690 V rated value	0.8 kW
• at AC-3e	
— at 230 V rated value	0.2 kW
— at 400 V rated value	0.4 kW
— at 500 V rated value	0.4 kW
— at 690 V rated value	0.8 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	No
maximum short-circuit current breaking capacity (lcu)	
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 	100 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 	100 kA
response value current of instantaneous short-circuit trip unit	16 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1.25 A
at 600 V rated value	1.25 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
- at 460/480 V rated value	1 hp
- 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	magnette
protection of the main circuit	
• at 500 V	gL/gG 16 A
• at 690 V	gL/gG 16 A
Installation/ mounting/ dimensions	
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
— upwaruo	00 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		
Connections/ Terminals	0 mm		
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			
type of connectable conductor cross-sections • for main contacts			
	2x (0.75 2,5 mm²), 2x 4 mm²		
for main contacts — solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 for main contacts — solid or stranded — finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 for main contacts — solid or stranded — finely stranded with core end processing for AWG cables for main contacts 			
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m		
for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm		
for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m		
for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm		
for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts Safety related data product function suitable for safety function suitability for use 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts Safety related data product function suitable for safety function suitability for use safety-related switching on 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3 Yes No		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts Safety related data product function suitable for safety function suitability for use safety-related switching on safety-related switching OFF 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3 Yes No Yes		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts Safety related data product function suitable for safety function suitability for use safety-related switching on safety-related switching OFF service life maximum 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3 Yes No Yes 10 a		
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 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts safety related data	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3 Yes No Yes 10 a Yes 40 %		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts Safety related data product function suitable for safety function suitability for use safety-related switching on safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3 Yes No Yes 10 a Yes 40 % 50 %		
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw for main contacts safety related data product function suitable for safety function suitability for use safety-related switching on safety-related switching OFF service life maximum test wear-related service life necessary	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M3 Yes No Yes 10 a Yes 40 % 50 % 5 000		
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61508							
Electrical Safety							
protection class IP on the front according to IEC 60529		IP20					
touch protection on th	e front according to IE	C 60529	finger-	safe, for vertical contact f	rom the front		
Display							
display version for switching status			Handle				
Approvals Certificates							
General Product Appr	oval						
"	UK	Confirmation		(m)	ŝ	KC	
	Ē			<u>m</u>	W		
EG-Konf.	ĽН			ccc	UL		
General Product Ap- proval	Test Certificates			Marine / Shipping			
provai							
	Type Test Certific-	Special Test Cer	<u>tific-</u>	and the second s	Starte .	8	
FHI	ates/Test Report	ate				ተዋ	
LIIL				ABS	1921	DNV	
					VERITAS		
Marine / Shipping				other			
Lloyd's	(AS)			Miscellaneous	Confirmation		
Register						(D.E)	
LRS	PRS	RINA				VDE	
Railway		Environment					
Special Test Certific-	Confirmation				Environmental Con-		
ate	oommation	N		Siemens	firmations		
		EDD		EcoTech			
		EFU		Leoneen			
Further information	kaging						
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875							
Information- and Dowr		Brochures,…)					
https://www.siemens.com Industry Mall (Online of							
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2311-0KC10							
Cax online generator	n siemens com/\/\/\//CA	Xorder/default aspy?	2lanc=e	n&mlfh=3R\/2311_0KC10			
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-0KC10 Service&Support (Manuals, Certificates, Characteristics, FAQs,)							
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0KC10							
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2311-0KC10⟨=en							
Characteristic: Tripping characteristics, I ² t, Let-through current							
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0KC10/char Further characteristics (e.g. electrical endurance, switching frequency)							
					vpe=14&aridview=view1		
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0KC10&objecttype=14&gridview=view1							

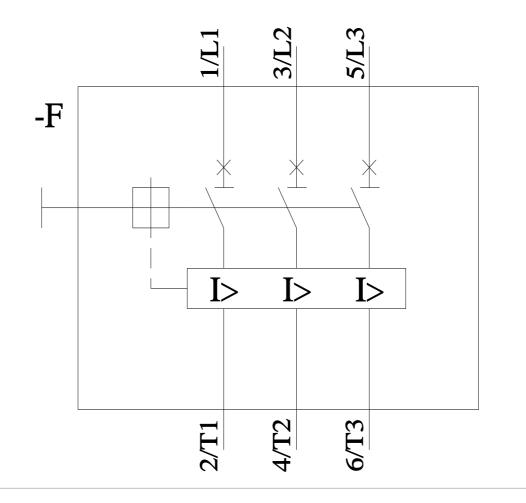






6/8/2024

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4/12/2024 🖸