SIEMENS

Data sheet

3RV2311-0HC20



Circuit breaker size S00 for starter combination Rated current 0.8 A N-release 10 A Spring-type 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	
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 (switching cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (switching cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
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	0.8 A
operational current	
 at AC-3 at 400 V rated value 	0.8 A
 at AC-3e at 400 V rated value 	0.8 A

operating power	
• at AC-3	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.2 kW
— at 500 V rated value	0.3 kW
— at 690 V rated value	0.4 kW
• at AC-3e	
— at 230 V rated value	0.1 kW
— at 400 V rated value	0.2 kW
— at 500 V rated value	0.3 kW
— at 690 V rated value	0.4 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
breaking capacity maximum short-circuit current (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	100 kA
breaking capacity operating short-circuit current (lcs)	
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	10 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	0.8 A
 at 600 V rated value 	0.8 A
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 protection of the main circuit	
• at 690 V	gL/gG 6 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
height	106 mm
width	45 mm
depth	97 mm
required spacing	
 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 − downwards 30 mm − downwards 30 mm − at the side 9 mm • at the side 30 mm <th></th> <th></th> <th></th> <th></th>				
- downwards - at the side - at the	— at the side	9 mm		
	 for grounded parts at 500 V 			
	— downwards	30 mm		
 for live parts at 50 V - downwards - at the side - at the side - downwards - downwards - downwards - downwards - bockwards - bockwards - bockwards - bockwards - owards -	— upwards	30 mm		
- downwards - gowards - gowards	— at the side	9 mm		
- upwards - at the side - at the si	 for live parts at 500 V 			
	— downwards	30 mm		
	— upwards	30 mm		
• for grounded parts at 660 V • downwards • backwards • for wards • for		9 mm		
- downwards 60 mm - backwards 00 mm - backwards 00 mm - at the side 00 mm - for live parts at 690 V - at the side 00 mm - borkwards - borkwards				
- upwards S0 mm - backwards 0 mm - forwards 0 mm - forwards 0 mm - upwards 50 mm - upwards 20 mm - upwards 20 mm - upwards 20 mm - upwards 20 mm - upwards 2x (0.5 4 mm ²) - upwards 2x (0.5 25 mm ²) - upwards 30 x 0.5 mm - dial or standed with core end processing 2x (0.5 25 mm ²) - esced/river tip 30 x 0.5 mm - upwards 50 % - upwards 60 %<		50 mm		
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Declaration of Conformity Test Certificates Marine / Shipping	Confirmation Confirmation		<u>KC</u>	EHC
	Declaration of Conformity Test Certific	ates	Marine / Shipping	

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Further information						
Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2311-0HC20						
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-0HC20 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0HC20						
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2311-0HC20⟨=en						
Characteristic: Tripping characteristics, I ² t, Let-through current <u>https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0HC20/char</u> Further characteristics (e.g. electrical endurance, switching frequency)						

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0HC20&objecttype=14&gridview=view1

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