SIEMENS

Data sheet

3RV1611-0BD10



Circuit breaker size S00 for fuse monitoring Screw terminal A-release 0.2 A N-release 1.2 A

product brand name SIRIUS product designation Circuit breaker design of the product for fuse monitoring product type designation 3RV1 Ceneral technical data		
design of the product for fuse monitoring product type designation 3RV1 General technical data	product brand name	SIRIUS
product type designation 3RV1 General technical data size of the circuit-breaker \$00 product extension auxiliary switch Yes power loss [W] for rated value of the current \$1 AC in hot operating state \$5.5 W e at AC in hot operating state per pole 1.8 W \$90 V insulation voltage with degree of pollution 3 at AC rated \$90 V surge voltage resistance rated value 6 kV mechanical service life (switching cycles) 100 000 of the main contacts typical 100 000 e of auxiliary contacts typical 100 000 e of uning operation 01/01/2013 Ambient conditions 200 m installation altitude at height above sea level maximum 200 m ambient temperature -60 +60 °C of uning storage -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating voltage 20 690 V e at AC-3 rated value maximum 690 V e at AC-3 rated value maximum 690 V e at AC-3 at 400 vitate value 02 690 V	product designation	Circuit breaker
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• at AC-3 maximum 15 1/h	• at AC-3e at 400 V rated value	0.2 A
	operating frequency	
• at AC-3e maximum 15 1/h	• at AC-3 maximum	15 1/h
	• at AC-3e maximum	15 1/h

Auxiliary circuit				
number of CO contacts for auxiliary contacts	0			
Protective and monitoring functions				
product function				
 ground fault detection 	No			
 phase failure detection 	Yes			
design of the overload release	thermal			
breaking capacity maximum short-circuit current (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			
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	1.2 A			
UL/CSA ratings				
full-load current (FLA) for 3-phase AC motor				
• at 480 V rated value	0.2 A			
• at 600 V rated value	0.2 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 240 V	none required			
• at 400 V	None required			
• at 500 V	None required			
• at 690 V	None required			
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	90 mm			
width	45 mm			
depth	75 mm			
required spacing				
• for grounded parts at 400 V				
— downwards	20 mm			
— upwards	20 mm			
— at the side	9 mm			
• for live parts at 400 V	20 mm			
- downwards	20 mm			
— upwards	20 mm			
— at the side	9 mm			
 for grounded parts at 500 V — downwards 	20 mm			
	20 mm 20 mm			
— upwards				
— at the side	9 mm			
• for live parts at 500 V	20 mm			
— downwards	20 mm			
— upwards	20 mm			
— at the side	9 mm			
 for grounded parts at 690 V 	20 mm			
— downwards	20 mm			
— upwards	20 mm			

boolourad			0	-		
— backward			0 mm			
	— at the side		9 mm			
— forwards	1000 V		0 mn	1		
 for live parts at 						
— downward	as		20 m			
— upwards			20 m			
- backward			0 mn	-		
— at the side	e		9 mn			
— forwards			0 mn	1		
Connections/ Termin	als					
type of electrical co	onnection					
 for main currer 	nt circuit		screw-type terminals			
	ctrical connectors for m	ain current	Тор а	and bottom		
circuit						
	e conductor cross-secti	ons				
 for main contact 						
— solid or st				,5 1,5 mm²), 2x (0,75	, ,	4 mm²)
	inded with core end proce	-	2x (0	.5 1.5 mm²), 2x (0.75	2.5 mm²)	
	e conductor cross-secti	ons				
 for auxiliary co 						
— solid or st	tranded		2x (0	.5 1.5 mm²), 2x (0.75	2.5 mm²)	
tightening torque						
 for main contacts with screw-type terminals 		0.8 1.2 N·m				
 for auxiliary contacts with screw-type terminals 		0.8 1.2 N·m				
size of the screwdriver tip		Pozidriv size 2				
0	d of the connection scre	ew				
 for main contact 	cts		M3			
Safety related data						
protection class IP 60529	on the front according	to IEC	IP20			
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front				
display version for switching status			Rocker switch			
Certificates/ approva	ls					
General Product A	pproval					Declaration of Conformity
		<u>Confirmatio</u>	<u>n</u>	U	EHC	CE EG-Konf.
Declaration of Conformity	Test Certificates			Marine / Shipping		
	<u>Special Test Certific-</u> <u>ate</u>	Type Test Cer ates/Test Rep		ABS	PRS	RARS RARS
other				Railway		
<u>Confirmation</u>	<u>Miscellaneous</u>			<u>Special Test Certific-</u> <u>ate</u>		
Further information	ownloadcenter (Catalog	s, Brochures,.)			

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1611-0BD10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1611-0BD10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1611-0BD10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1611-0BD10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1611-0BD10/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1611-0BD10&objecttype=14&gridview=view1





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