SIEMENS

Product data sheet

3RV2411-0FA20



CIRCUIT-BREAKER SZ S00, FOR TRANSFORMER PROT. A-RELEASE 0.35...0.5A, N-RELEASE10A, SPRING-L. CONNECTION, STANDARD SW. CAPACITY

General technical data:		
Product brand name		SIRIUS
product designation		3RV2 circuit breaker
Size of the circuit-breaker		\$00
Trip class		CLASS 10
Protection class IP / on the front		IP20
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
during storage	°C	-50 80
during operating	°C	-20 60
during transport	°C	-50 80
Resistance against shock		25g / 11 ms
Impulse voltage resistance / rated value	kV	6
Insulation voltage / rated value	V	690
Active power loss / total / typical	W	4.9
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F
according to DIN EN 61346-2		F

• of the main contacts / typical100,000• of the auxiliary contacts / typical100,000Type of the driving mechanism / motor driveNoDesign of the operating mechanismselector switchProduct functionYes• overload protectionYes• phase disturbance recognitionYesProduct componentNo• auxiliary switchNo• undervoltage release mechanismNo• trip indicatorNo
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• phase disturbance recognition Yes Product component Ves • auxiliary switch No • undervoltage release mechanism No
Product component No • auxiliary switch No • undervoltage release mechanism No
• auxiliary switch • undervoltage release mechanism No
undervoltage release mechanism No
• trip indicator No
Product extension / optional / motor drive No
Main circuit:
Number of poles / for main current circuit 3
Operating voltage / at AC-3 / rated value / maximum V 690
Operating current / at AC-3 / at 400 V / rated value A 0.44
Service power / at AC-3
• at 400 V / rated value W 120
• at 500 V / rated value W 120
• at 690 V / rated value W 180
Frequency of operation / at AC-3 / according to IEC 60947-6-2 / 1/h 15 maximum 15
Arrangement of electrical connectors / for main current circuit Top and bottom
Adjustable response current
• of the non-delayed short-circuit release A 10 10
• of the current-dependent overload release A 0.35 0.5
Service power / at AC-3 / at 230 V / rated value W 60
Continuous current / rated value A 0.5
Auxiliary circuit:
Product extension / auxiliary switch Yes
Number of NC contacts / for auxiliary contacts / instantaneous 0 switching 0
Number of NO contacts / for auxiliary contacts / instantaneous 0 switching 0
Number of change-over switches / for auxiliary contacts 0
Inputs/ Outputs:
Number of digital inputs 0

Breaking capacity limit short-circuit current (icu) A 100,000 • at 400 V / raied value A 100,000 • at 500 V / raied value A 100,000 Design of the overcurrent release and short-circuit release • morranguetic Installation/nounring/dimensions: • morranguetic Built in orientation • mn • errow and snap-on mounting onto 35 mm standard mounting rail according to DNE N8 0715 Width mm 45 Height mm 91 Distance, to be maintained, to the ranks assembly • min • ony • forwards mm 0 • downwards mm 50 • downwards mm	Short-circuit:				
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Design of the overcurrent release and short-circuit release thermomagnetic Installation/mounting/dimensions: any Built in orientation any Type of mounting seew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Width mm 45 Height mm 109 Depth mm 91 Distance, to be maintained, to the ranks assembly • forwards mm 0 • upwards. mm 50 • downwards mm 0 • idewards mm 0 • upwards mm 0 • downwards mm 0 • upwards mm 0 • upwards mm 0 • downwards mm 50 • upwards mm 50 • upwards mm 50 • downwards mm 50 • downwards mm 50 • upwards mm 50 • upward	• at 500 V / rated value	А	100,000		
Installation/mounting/dimensions: any Built in orientation any Type of mounting screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Width mm 45 Height mm 109 Depth mm 101 Distance, to be maintained, to the ranks assembly mm 0 • forwards mm 0 • downwards	• at 690 V / rated value	• at 690 V / rated value A 100,000			
Built in orientation any Type of mounting screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Width mm 45 Height mm 109 Depth mm 91 Distance, to be maintained, to the ranks assembly - •forwards mm 0 •backwards mm 0 •downwards mm 50 •downwards mm 0 •idewards mm 0 •downwards mm 50 •downwards mm 50 <td>Design of the overcurrent release and short-circuit release</td> <td></td> <td>thermomagnetic</td>	Design of the overcurrent release and short-circuit release		thermomagnetic		
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· forwardsmm0· backwardsmm0· upwardsmm50· downwardsmm50· sidewardsmm30· connections:mm30· removable terminal for main circuitINo· removable terminal for auxiliary and control circuitNoDesign of the electrical connectionINo· for main current circuitIspring-loaded terminalsType of the connectable conductor cross-sectionII	downwards	mm	50		
• backwardsnm0• upwardsmm50• downwardsmm30• sidewardsmm30• connections:	Distance, to be maintained, conductive elements				
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Product function No • removable terminal for main circuit No • removable terminal for auxiliary and control circuit No Design of the electrical connection No • for main current circuit spring-loaded terminals Type of the connectable conductor cross-section Image: Spring-loaded terminals	• sidewards	mm	30		
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• for main current circuit spring-loaded terminals Type of the connectable conductor cross-section Image: Constant of the connectable conductor cross-section	removable terminal for auxiliary and control circuit		No		
Type of the connectable conductor cross-section	Design of the electrical connection				
	• for main current circuit		spring-loaded terminals		
• for main contacts	Type of the connectable conductor cross-section				
	for main contacts				

• solid				2x (0.5 4 mm2)	
 stranded 				2x (0.5 4 mm²)	
 finely strande 	ed				
with conductor end processing			2 x (0.5 2.5 mm2)		
without conductor final cutting			2x (0.5 2.5 mm2)		
 for AWG conduct 	for AWG conductors / for main contacts			2x (20 12)	
Certificates/appr	ovals:				
Verification of suita	ability			CE / UL / CSA	
• für Staubexplos	ionsschutz für Zone 21,	/22		no	
 for gas explosio 	n protection for zone 1/	2		no	
General Product	Approval			Test Certificates	
COC	(SA)	ROSTEST		Manufacturer	
Shipping Approva	al				
ABS	GL	Lloyd's Register	PRS	RINA	RMRS
other					
Manufacturer	other				

Safety:				
B10 value / with high demand rate				
according to SN 31920		50,000		
T1 value / for proof test interval or service life				
according to IEC 61508	а	10		
Failure rate (FIT value) / with low demand rate				
according to SN 31920	FIT	50		
Proportion of dangerous failures				
with low demand rate / according to SN 31920	%	40		
• with high demand rate / according to SN 31920	%	40		
Protection against electrical shock		finger-safe		

VDE

Further information:

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

Industry Mall (Online ordering system)

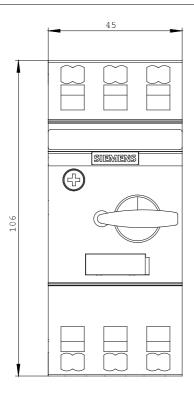
http://www.siemens.com/industrial-controls/mall

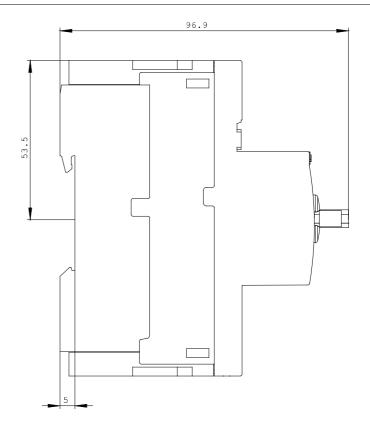
CAx-Online-Generator

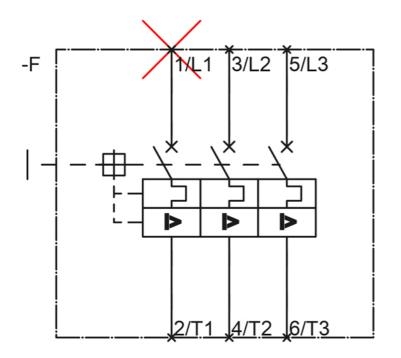
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RV2411-0FA20/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2411-0FA20







last change:

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