SIEMENS

Product data sheet

3RV2411-4AA10



CIRCUIT-BREAKER SZ S00, FOR TRANSFORMER PROT. A-RELEASE 11...16A, N-RELEASE 286A, SCREW CONNECTION, STANDARD SW. CAPACITY

Product brand name		SIRIUS
product designation		3RV2 circuit breaker
Size of the circuit-breaker		S00
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	8.3
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F
according to DIN EN 61346-2		F

Product function Yes		
Type of the driving mechanism / motor drive No Design of the operating mechanism select Product function Yes		
Design of the operating mechanism select Product function Yes	otor switch	
Product function Yes	stor switch	
• overload protection Yes		
phase disturbance recognition Yes		
Product component		
auxiliary switch 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 15.5		
Service power / at AC-3		
• at 400 V / rated value W 7,500)	
• at 500 V / rated value W 7,500)	
• at 690 V / rated value W 11,00	00	
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 a	and bottom	
Adjustable response current		
• of the non-delayed short-circuit release A 286	286	
• of the current-dependent overload release A 11	. 16	
Service power / at AC-3 / at 230 V / rated value W 4,000)	
Continuous current / rated value A 16		
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		

Short-circuit:		
Breaking capacity limit short-circuit current (lcu)		
• at 400 V / rated value	А	55,000
• at 500 V / rated value	А	10,000
• at 690 V / rated value	А	4,000
Design of the overcurrent release and short-circuit release		thermomagnetic
Installation/mounting/dimensions:		
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	97
Depth	mm	91
Distance, to be maintained, to the ranks assembly		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
downwards	mm	50
• sidewards	mm	0
Distance, to be maintained, to earthed part		
• forwards	mm	0
backwards	mm	0
• upwards	mm	50
• sidewards	mm	30
downwards	mm	50
Distance, to be maintained, conductive elements		
forwards	mm	0
backwards	mm	0
• upwards	mm	50
downwards	mm	50
• sidewards	mm	30
Connections:		
Product function		
removable terminal for main circuit		No
removable terminal for auxiliary and control circuit		No
Design of the electrical connection		
for main current circuit		screw-type terminals
Type of the connectable conductor cross-section		

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• at 110/120 V / rated value hp 1 • at 230 V / rated value hp 2 • for three-phase squirrel cage motors Image: Cage motors Image: Cage motors	
• at 230 V / rated value hp 2 • for three-phase squirrel cage motors	
for three-phase squirrel cage motors	
• at 200/208 V / rated value hp 3	
• at 220/230 V / rated value hp 5	
• at 460/480 V / rated value hp 10	
Operating current (FLA) / for three-phase squirrel cage motors	
• at 480 V / rated value A 14	

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

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

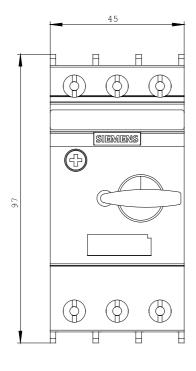
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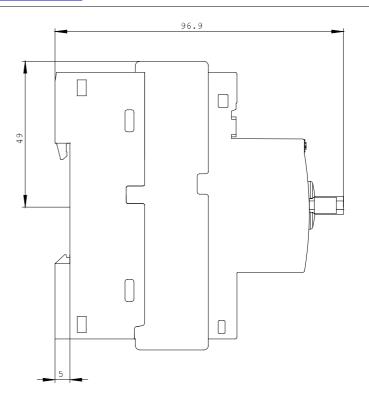
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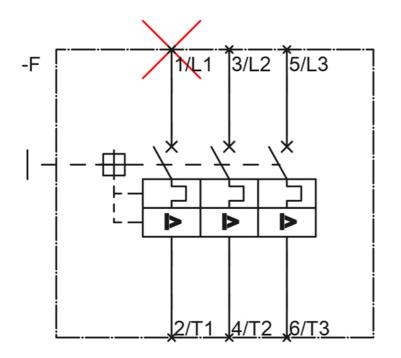
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RV2411-4AA10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2411-4AA10







last change:

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