SIEMENS

Product data sheet 3RV1031-4AA10

CIRCUIT-BREAKER 11...16 A,
N-RELEASE 208 A, SIZE S2,
MOTOR PROTECTION CLASS 10 SCREW CONNECTION
STANDARD BREAKING CAPACITY

General technical data:		
product brand name		SIRIUS
product designation		circuit breaker
Size of the circuit-breaker		S2
Number of poles / for main current circuit		3
Product function		
• removable terminal for auxiliary and control circuit		No
• overload protection		Yes
• phase disturbance recognition		Yes
• short-circuit to earth recognition		No
Product component		
• auxiliary switch		No
• undervoltage release mechanism		No
• trip indicator		No
Product extension		
• auxiliary switch		Yes
• optional / motor drive		Yes
Impulse voltage resistance / rated value	V	6,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

subject to modifications
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Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		25g / 11 ms
Ambient temperature		
• during transport	°C	-50 … +80
• during storage	°C	-50 … +80
• during operating	°C	-20 … +70
Active power loss / total / typical	W	12

Main circuit:		
Operating voltage / rated value	V	690
type of voltage		AC/DC
Service power / at AC-3 / at 400 V / rated value	kW	7.5
Operating current / at AC-3 / at 400 V / rated value	A	16
Mechanical operating cycles as operating time / of the main contacts / typical		50,000
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	15

Auxiliary circuit:		
Number of change-over switches / for auxiliary contacts		0

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	11 … 16
Breaking capacity limit short-circuit current (Icu)		
• at 400 V / rated value	kA	50
• at 500 V / rated value	kA	12
• at 690 V / rated value	kA	5

Installation/mounting/dimensions:		
Type of mounting		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
mounting position		any
Depth	mm	149
Height	mm	140
Width	mm	55

Connections:		
Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection		
• for main current circuit		screw-type terminals with box terminals
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		

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• for main contacts	
• solid	2x (0.75 ... 16 mm²)
• finely stranded	
• with conductor end processing	2x (0.75 ... 16 mm²), 0.75 ... 25 mm²
• stranded	2x (0.75 ... 25 mm²), 0.75 ... 35 mm²
• for AWG conductors / for main contacts	2x (18 ... 2), 1x (18 ... 2)

Certificates/approvals:

General Product Approval					For use in hazardous locations
CCC	CSA	GOST	KETI	UL	ATEX

Declaration of Conformity	Test Certificates
EG-Konf.	Special Test Certificate

Shipping Approval

ABS	BUREAU VERITAS	DNV	GL	LRS	RMRS

other

Confirmation	Declaration of Conformity	other	Environmental Confirmations

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/3RV1031-4AA10/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1031-4AA10

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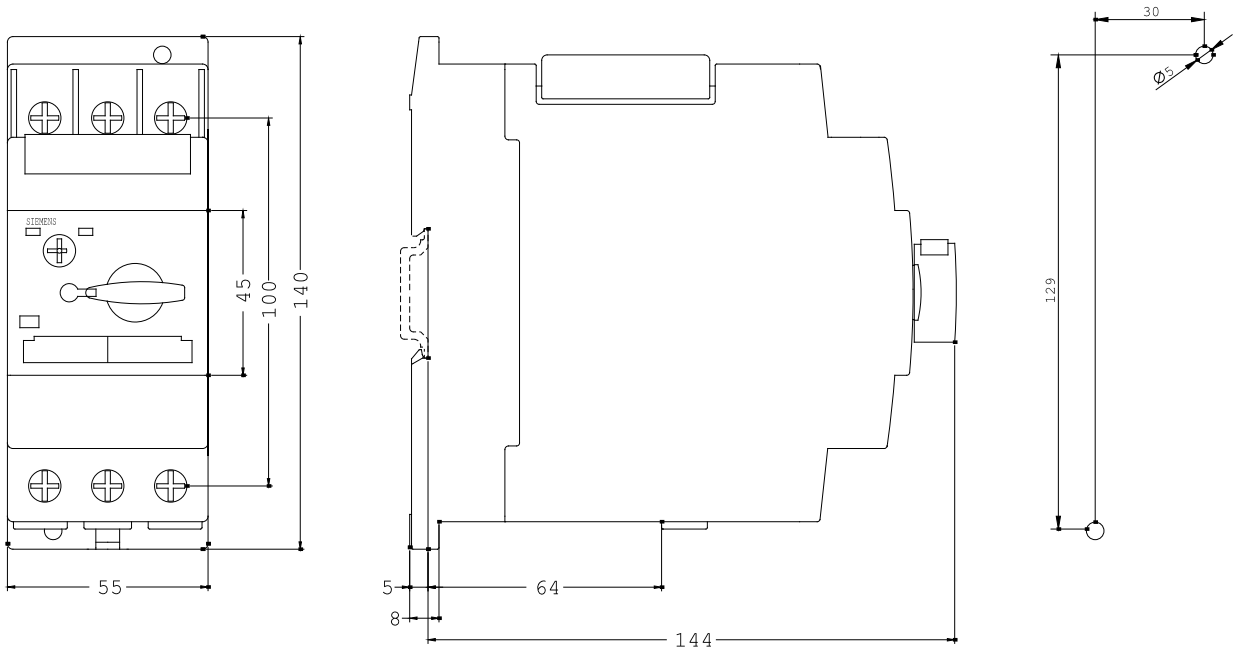

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