SIEMENS

Product data sheet 3RV1011-0KA20

CIRCUIT-BREAKER,
0.9...1.25 A N-RELEASE 16 A,
SIZE S00 MOTOR PROTECTION, CLASS 10,
CAGE CLAMP CONNECTION STANDARD BREAKING
CAPACITY

General technical data:		
product brand name		SIRIUS
Product designation		circuit breaker
Size of the circuit-breaker		S00
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		No
Impulse voltage resistance / rated value	V	6,000
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe

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 … +60
Active power loss / total / typical	W	5

Main circuit:		
Operating voltage / rated value	V	690
Service power / at AC-3 / at 400 V / rated value	kW	0.37
Operating current / at AC-3 / at 400 V / rated value	A	1.25
Mechanical operating cycles as operating time / of the main contacts / typical		100,000
Frequency of operation / with AC-3 / maximum	1/h	15

Auxiliary circuit:		
Number of changeover contacts / for auxiliary contacts		0

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	0.9 … 1.25

Installation/mounting/dimensions:		
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
mounting position		any
Depth	mm	81
Height	mm	90
Width	mm	45

Connections:		
Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection		
• for main current circuit		Cage Clamp terminals
• for auxiliary and control current circuit		Cage Clamp terminals
Type of the connectable conductor cross-section		
• for main contacts		
• solid		2x (0.25 ... 2.5 mm²)
• finely stranded		
• without conductor final cutting		2x (0.25 ... 2.5 mm²)
• with conductor end processing		2x (0.25 ... 1.5 mm²)

• for AWG conductors / for main contacts	2x (24 ... 14)

Certificates/approvals:

General Product Approval	Test Certificates
CCC CSA EAC	Special Test Certificate

Shipping Approval

ABS	BUREAU VERITAS	DNV	GL	Lloyd's Register LRS	PRS

Shipping Approval	other
RINA RMRS	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
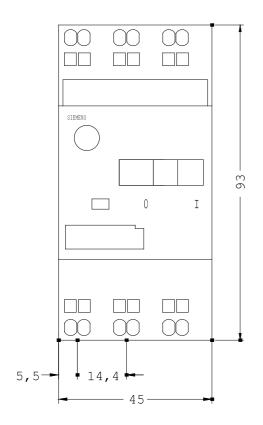
Cax online generator:
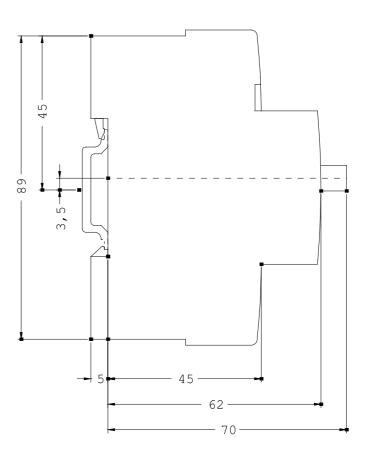http://www.siemens.com/cax

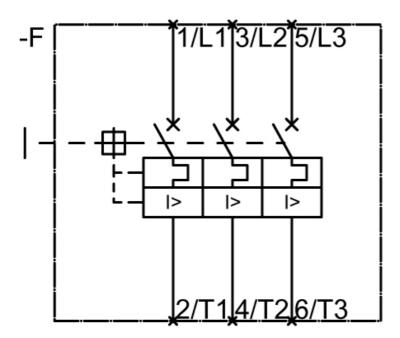**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/3RV1011-0KA20/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-0KA20

Dimensional drawing

93

45

5,5 → 14,4 →

45

89

45

3,5

5

45

62

70

Circuit diagram

-F

1/L1 3/L2 5/L3

I

I> I> I>

2/T1 4/T2 6/T3

last change: Aug 4, 2014