SIEMENS

Product data sheet 3RV1011-1FA25

CIRCUIT-BREAKER, SIZE S00,
FOR MOTOR PROTECTION, CLASS 10,
A-RELEASE 3.5...5 A, N-RELEASE 65 A,
CAGE-CLAMP CONNECTION STANDARD SWITCHING
CAPACITY W. TRANSV. AUX. SWITCH 1NO+1NC

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		Yes
• undervoltage release mechanism		No
• trip indicator		Yes
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

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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 … +60
Active power loss / total / typical	W	6

Main circuit:		
Operating voltage / rated value	V	690
Service power / at AC-3 / at 400 V / rated value	kW	1.5
Operating current / at AC-3 / at 400 V / rated value	A	5
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:		
Design of the auxiliary switch		transverse
Number of changeover contacts / for auxiliary contacts		0
Operating current / of the auxiliary contacts		
• at AC-15		
• at 24 V	A	2
• at 230 V	A	0.5
• at DC-13		
• at 24 V	A	1
• at 60 V	A	0.15

Protection function:		
Trip class		CLASS 10
Adjustable response current / of the current-dependent overload release	A	3.5 … 5

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		

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• 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)
• for auxiliary contacts		
• solid		2x (0.25 ... 2.5 mm²)
• finely stranded / with conductor end processing		2x (0.25 ... 1.5 mm²)
• for AWG conductors / for auxiliary contacts		2x (24 ... 14)

Certificates/approvals:

General Product Approval			Test Certificates		
CCC	CSA	EAC	Special Test Certificate		
Shipping Approval					
ABS	BUREAU VERITAS	DNV	GL	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/3RV1011-1FA25/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-1FA25

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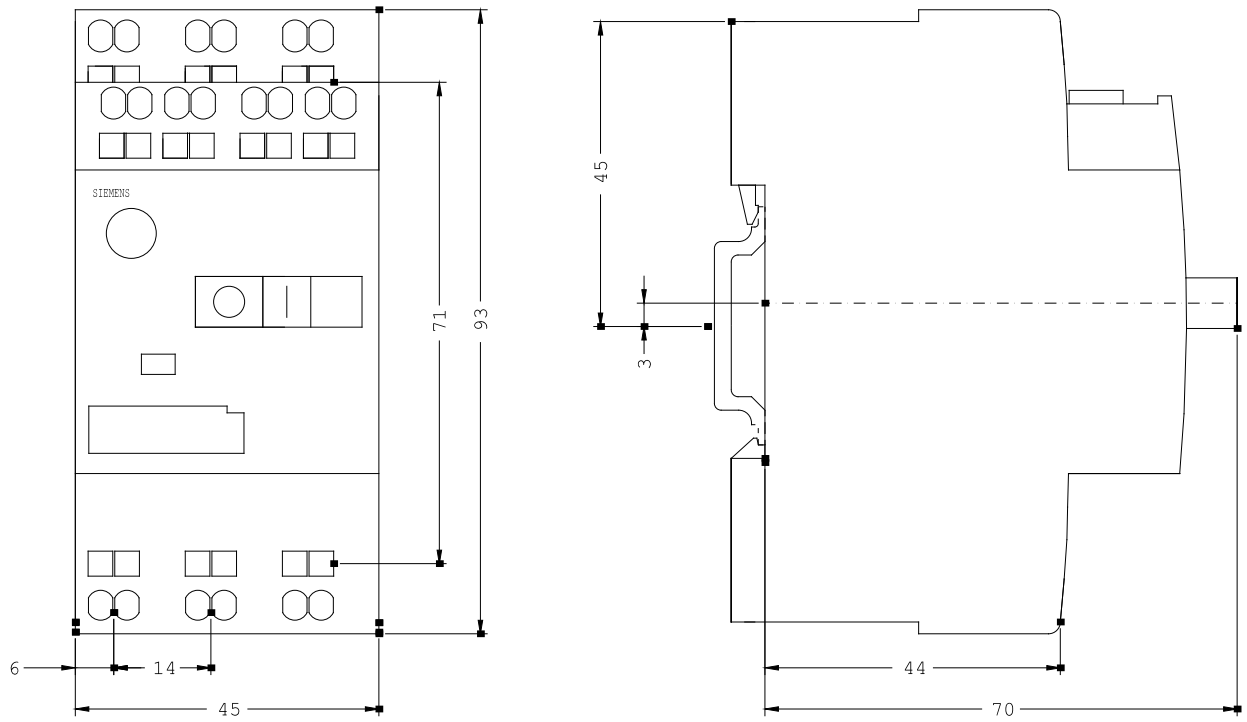

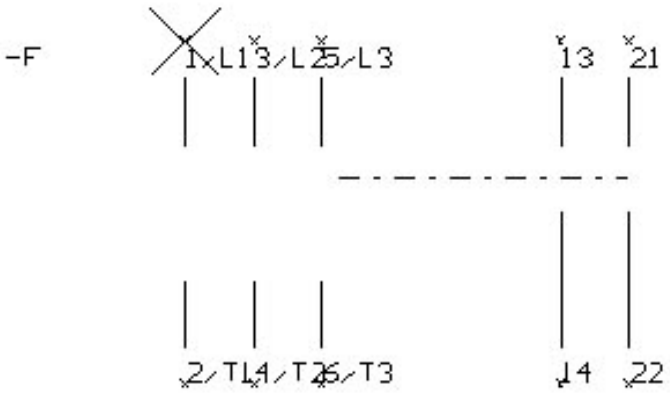

last change: Aug 4, 2014

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