SIEMENS

Product data sheet 3RV1011-0DA25



CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-RELEASE 0.22...0.32 A, N-RELEASE 4.2 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

mounting rail according to DIN EN 50022 mounting position any Depth mm 81 Height mm 90 Width mm 45			
Ambient temperature • during transport • during transport • during storage • during operating Active power loss / total / typical Main circuit: Operating voltage / rated value Service power / at AC-3 / at 400 V / rated value Operating current / at AC-3 / at 400 V / rated value A 0.32 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.15 Protection function: Trip class CLASS 10 Adjustable response current / of the current-dependent overload release Mounting type Installation/mounting/dimensions: Mounting type mm 81 Height mm 90 W 5 W 690 Service power / at AC-3 / maximum **C -50 +80 **O	Installation altitude / at a height over sea level / maximum	m	2,000
• during storage *C -50 +80 • during operating *C -50 +80 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 V 690 Operating current / at AC-3 / at 400 V / rated value A 0.32 Mechanical operating current / at AC-3 / maximum 100,000 Auxillary circuit: Design of the auxillary witch transverse Number of changeover contacts / for auxillary contacts 0 Operating current / of the auxillary contacts 0 • at AC-15 A 2 • at 24 V A 0.5 • at 60 V A 0.5 Protection function: Trip class Adjustable response current / of the current-dependent coverload release CLASS 10 Adjustable response current / of the current-dependent coverload release screw and snap-on mounting onto 35 mm standar mounting rall according to DIN EN 50022	Resistance against shock		25g / 11 ms
• during storage *C -50 +80 • during operating *C -20 +60 Active power loss / total / typical W 5 Main circuits Operating voltage / rated value V 690 Service power / at AC-3 / at 400 V / rated value A 0.32 Mechanical operating cycles as operating time / of the main contacts / typical 100,000 100,000 Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts 0 • at AC-15 - at 230 V A 2 • at 24 V A 2 • at B60 V A 0.15 Protection function: Trip class CLASS 10 Adjustable response current / of the current-dependent overload release A 0.22 0.32 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting pos	Ambient temperature		
- during operating	during transport	°C	-50 +80
Active power loss / total / typical Main circuit: Operating voltage / rated value Service power / at AC-3 / at 400 V / rated value Operating current / at AC-3 / at 400 V / rated value A 0.32 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum I/h 15 Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type mounting position Depth mm 81 Height W 690	during storage	°C	-50 +80
Main circuit: Operating voltage / rated value Service power / at AC-3 / at 400 V / rated value Operating current / at AC-3 / at 400 V / rated value Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum I/h 15 Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type mounting position Depth mm 81 Height Width Width	during operating	°C	-20 +60
Operating voltage / rated value V 690 Service power / at AC-3 / at 400 V / rated value kW 0.09 Operating current / at AC-3 / at 400 V / rated value A 0.32 Mechanical operating cycles as operating time / of the main contacts / typical 100,000 Frequency of operation / with AC-3 / maximum 1/h 15 Auxillary circuit: Design of the auxillary switch transverse Number of changeover contacts / for auxillary contacts 0 Operating current / of the auxiliary contacts 0 • at AC-15 4 2 • at 24 V A 2 • at DC-13 4 1 • at 60 V A 0.15 Protection function: Trip class CLASS 10 Adjustable response current / of the current-dependent overload release A 0.22 0.32 Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standam mounting rail according to DIN EN 50022 mounting position mm 81 Height	Active power loss / total / typical	W	5
Service power / at AC-3 / at 400 V / rated value Operating current / at AC-3 / at 400 V / rated value A 0.32 Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum I/h 15 Auxillary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type mounting position Depth Height Width Width	Main circuit:		
Operating current / at AC-3 / at 400 V / rated value	Operating voltage / rated value	V	690
Mechanical operating cycles as operating time / of the main contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.5 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type mounting position Depth Height Width Vidth 1/h 15 100,000 1/h 15 15 15 16 17 18 18 18 18 18 19 100,000 100,000 100 100 100 1	Service power / at AC-3 / at 400 V / rated value	kW	0.09
contacts / typical Frequency of operation / with AC-3 / maximum 1/h 15 Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type mounting position Depth Height Midth 1	Operating current / at AC-3 / at 400 V / rated value	А	0.32
Auxiliary circuit: Design of the auxiliary switch Number of changeover contacts / for auxiliary contacts Operating current / of the auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A O15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth			100,000
Design of the auxiliary switch Itransverse O	Frequency of operation / with AC-3 / maximum	1/h	15
Number of changeover contacts / for auxiliary contacts Operating current / of the auxiliary contacts • at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A O.5 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth Height mm 90 Width Mounting type Mounting type Mounting type mm 45	Auxiliary circuit:		
Operating current / of the auxiliary contacts	Design of the auxiliary switch		transverse
• at AC-15 • at 24 V • at 230 V • at DC-13 • at 24 V • at 60 V A 0.5 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting not 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth mm 81 Height mm 90 Width	Number of changeover contacts / for auxiliary contacts		0
at 24 V at 230 V at DC-13 at 24 V at 60 V Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth mm 81 Height mm 90 Width mm 45	Operating current / of the auxiliary contacts		
at 230 V at DC-13 at 24 V at 60 V Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth mm 81 Height mm 90 Width	• at AC-15		
at 24 V at 60 V A 0.15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth mm 81 Height mm 90 Width	• at 24 V	Α	2
• at 24 V • at 60 V A 0.15 Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth mm 81 Height mm 90 Width	• at 230 V	Α	0.5
Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type Screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position Depth mm 81 Height mm 90 Width	• at DC-13		
Protection function: Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position any Depth mm 81 Height mm 90 Width	• at 24 V	Α	1
Trip class Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position pepth mm 81 Height mm 90 Width CLASS 10 A 0.22 0.32	• at 60 V	Α	0.15
Adjustable response current / of the current-dependent overload release Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position pepth mm 81 Height mm 90 Width	Protection function:		
Installation/mounting/dimensions: Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position any Depth mm 81 Height mm 90 Width mm 45	Trip class		CLASS 10
Mounting type screw and snap-on mounting onto 35 mm standar mounting rail according to DIN EN 50022 mounting position any Depth mm 81 Height mm 90 Width mm 45		А	0.22 0.32
mounting position any Depth mm 81 Height mm 90 Width mm 45	Installation/mounting/dimensions:		
Depth mm 81 Height mm 90 Width mm 45	Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Height mm 90 Width mm 45	mounting position		any
Width mm 45	Depth	mm	81
	Height	mm	90
Connections:	Width	mm	45
	Connections:		
Arrangement of electrical connectors / for main current circuit front side	Arrangement of electrical connectors / for main current circuit		front side
Design of the electrical connection	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)
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

Special Test Certificate

Shipping Approval













Shipping Approval





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:

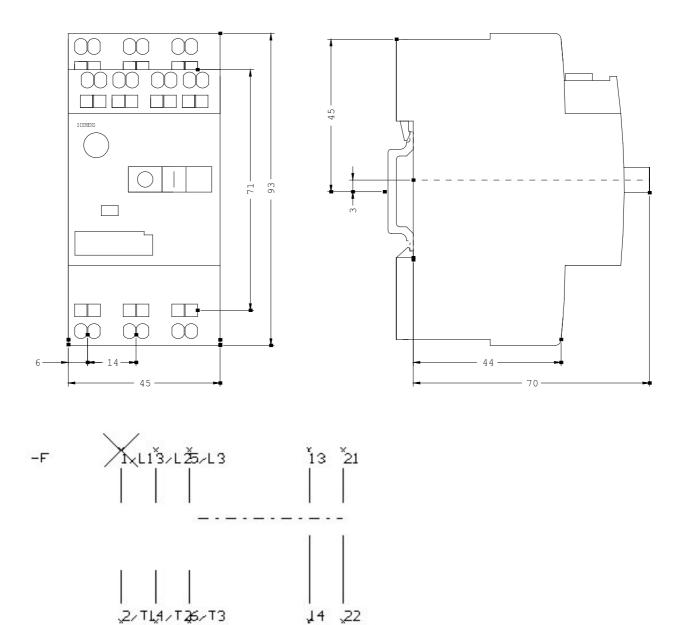
http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3RV1011-0DA25/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-0DA25



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