SIEMENS

Data sheet

3RV2011-0DA25



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.22...0.32 A N-release 4.2 A Spring-type terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.5 W
 at AC in hot operating state per pole 	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Weight	0.314 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Environmental footprint	
Global Warming Potential [CO2 eq] total	74.698 kg
Global Warming Potential [CO2 eq] during manufacturing	1.98 kg
global warming potential [CO2 eq] during sales	0.134 kg
Global Warming Potential [CO2 eq] during operation	72.7 kg
Global Warming Potential [CO2 eq] after end of life	-0.116 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Main circuit	

number of poles for main current circuit 3 adjustable current response value current of the current- dependent overload release 0.22 0.32 A operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V • operating frequency rated value 0.32 A operating frequency rated value 0.32 A operating frequency rated value 0.32 A operational current i and value 0.32 A operating frequency rated value 0.32 A operating frequency rated value 0.32 A operating frequency 0.32 A • at AC-3 at 400 V rated value 0.09 kW at 200 V rated value 0.1 kW • at AC-3 be 0.1 kW • at AC-3 be 0.1 kW - at 200 V rated value 0.1 kW • at AC-3 maximum 15 th - at 200 V rated value 0.1 kW operating frequency - • at AC-3 maximum 15 th - at AC-3 maximum 15 th -		
dependent overload release operating voltage • rated value 20 690 V • at AC-3 rated value maximum 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operating frequency rated value 0.32 A operating frequency 0.1 kW - at 200 V rated value 0.1 kW - at 400 V rated value 0.1 kW - at 230 V rated value 0.1 kW - at 240 V rated value 0.4 kW - at 400 V rated value 0.1 kW - at 400 V rated value 0.1 kW - at 600 V rated value 0.1 kW - at 600 V rated value 0.1 kW - at 600 V rated value 0.1 kW - at 230 V rated value 0.1 kW <t< td=""><td>AVIANABLE FULCTIFIC LEAVINGE VALUE FULTEDE OF THE CHILENT.</td><td>0.22 0.32 A</td></t<>	AVIANABLE FULCTIFIC LEAVINGE VALUE FULTEDE OF THE CHILENT.	0.22 0.32 A
• rated value20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value690 Voperating frequency rated value50 60 Hzoperational current rated value0.32 Aoperational current fact value0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-30.09 kW- at 230 V rated value0.09 kW- at 400 V rated value0.09 kW- at 400 V rated value0.1 kW- at 600 V rated value0.1 kW- at 600 V rated value0.09 kW- at 500 V rated value0.1 kW- at 600 V rated value0.0 kA		
• at AC-3 rated value maximum690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hz• operation al current rated value0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-3 bot V rated value0.90 kW- at 230 V rated value0.90 kW- at 230 V rated value0.1 kW- at 800 V rated value0.99 kW- at 800 V rated value0.1 kW• at AC-3e0.1 kW- at 800 V rated value0.99 kW- at 800 V rated value0.99 kW- at 800 V rated value0.1 kW• at AC-3e maximum15 1/h• at AC-3e maximum15 1/h• at AC-3e maximum15 1/h• at 80 V rated value0.1 kW• at 80 V rated value1.1 k• at 80 V rate	operating voltage	
• at AC-3e rated value maximum690 Voperating frequency rated value0.32 Aoperating at AC-3 at 400 V rated value0.32 A• at AC-3 at 400 V rated value0.32 Aoperating power-• at AC-3 at 400 V rated value0.32 A• at AC-3 at 400 V rated value0.09 KW- at 230 V rated value0.09 KW- at 400 V rated value0.09 KW- at 400 V rated value0.1 KW- at 600 V contacts for auxiliary contacts0.5 A </td <td>rated value</td> <td>20 690 V</td>	rated value	20 690 V
operating frequency rated value50 60 Hzoperational current rated value0.32 Aoperational current• at AC-3 at 400 V rated value0.32 Aoparating power• at AC-3• at AC-3 at 200 V rated value0.1 kW- at 690 V rated value0.1 kW- at 200 V rated value0.1 kW- at 200 V rated value0.09 kW- at 200 V rated value0.1 kW- at 200 V rated value0.09 kW- at 500 V rated value0.1 kW- at 600 V rated value0.1 kW- at AC-3 maximum15 l/hat AC-3 maximum15 l/hat AC-3 maximum10 kat 20 V0.5	• at AC-3 rated value maximum	690 V
operational current rated value0.32 Aoperational current0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-3 at 400 V rated value0.32 A• at AC-30.32 A• at AC-30.90 kW- at 200 V rated value0.09 kW- at 500 V rated value0.1 kW- at 600 V rated value0.09 kW- at 600 V rated value0.1 kW- at 600 V rated value0.09 kW- at 600 V rated value0.09 kW- at 600 V rated value0.1 kW- at 200 V rated value0.5 A- at 200 V0.5 A- at 200 V0.5 A- at 200 V0.5 A- at 200 V0.5 A	 at AC-3e rated value maximum 	690 V
operational current	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value 0.32 A • at AC-3 at 400 V rated value 0.32 A operating power - • at AC-3 - • at 230 V rated value 0 kW - at 230 V rated value 0.09 kW - at 690 V rated value 0.14 W - at 40 V rated value 0.09 kW - at 400 V rated value 0.14 W - at 230 V rated value 0.14 W - at 400 V rated value 0.09 kW - at 690 V rated value 0.09 kW - at 690 V rated value 0.14 W - at 20 V 0.5 A </td <td>operational current rated value</td> <td>0.32 A</td>	operational current rated value	0.32 A
• at AC-3e at 400 V rated value0.32 Aoperating power-• at AC-3 at 230 V rated value0.09 kW- at 400 V rated value0.09 kW- at 500 V rated value0.1 kW- at 230 V rated value0.1 kW- at 230 V rated value0.1 kW- at 230 V rated value0.09 kW- at 230 V rated value0.1 kW- at 230 V rated value0.09 kW- at 400 V rated value0.1 kW- at 400 V rated value0.1 kW- at 630 V rated value1.1 kmoperating frequencytrasverse- at 230 V contacts for auxiliary contacts1number of NC contacts for auxiliary contacts1number of NC contacts for auxiliary contacts1operational current of auxiliary contacts at AC-15 at 24 V2 A- at 125 V0.5 A- at 125 V0.5 A- at 126 V1.5 A- at 230 V0.5 A- at 24 V1.4- at 250 V0.5 A- at 250 V0.5 A- at 250 V0.5 A- at 26 V1.5 A- at 27 V1.5 A- at 28 V1.5 A- at 28 V1.5 A- at 28 V	operational current	
operating power• at AC-3- at 230 V rated value0.09 kW- at 230 V rated value0.09 kW- at 600 V rated value0.1 kW- at 600 V rated value0.1 kW- at 230 V rated value0.1 kW- at 230 V rated value0.1 kW- at 800 V rated value0.09 kW- at 600 V rated value0.1 kW- at 630 V rated value15 1/h• at AC-3 maximum15 1/h• at 24 V10 contacts for auxiliary contacts11 number of NC contacts for auxiliary contacts12 N• at 120 V• at 120 V• at 120 V• at 24 V• at 24 V• at 24 V• at 25 V• at 20 V<	 at AC-3 at 400 V rated value 	0.32 A
• at AC-3• at 230 V rated value0 kW- at 230 V rated value0.09 kW- at 630 V rated value0.1 kW- at 630 V rated value0.1 kW- at 230 V rated value0.1 kW- at 230 V rated value0.09 kW- at 230 V rated value0.09 kW- at 400 V rated value0.09 kW- at 630 V rated value0.1 kW- at 630 V rated value1- at AC-3 maximum15 1/h- at AC-3 maximum15 1/h- at AC-3 maximum1- at AC-3 maximum0- at AC-3 maximum0- at AC-3 maximum1- at AC-3 maximum1- at 24 V0.5 A- at 24 V0.5 A- at 23 V0.5 A- at 23 V0.5 A- at 23 V0.5 A- at 24 V1 A- at 24 V0.5 A- at 25 V0.5 A <td> at AC-3e at 400 V rated value </td> <td>0.32 A</td>	 at AC-3e at 400 V rated value 	0.32 A
at 230 V rated value0 kW at 400 V rated value0.09 kW at 500 V rated value0.1 kW at 230 V rated value0.1 kW at 230 V rated value0 kW at 400 V rated value0.09 kW at 400 V rated value0.09 kW at 400 V rated value0.1 kW at 690 V rated value0.1 kW at 690 V rated value0.1 kW at 690 V rated value0.1 kW at 630 V rated value0.1 km at 24 V2.A at 125 V0.5 A at 230 V0.5 A at 230 V0.5 A at 24 V1.A at 24 V1.5 A at 26 V0.5 A at 26 V1.5 A at 26 V1.5 A at 26 V1.5 A at 26 V0.5 A at 26 V<		
at 400 V rated value0.09 kW at 500 V rated value0.1 kW at 600 V rated value0.1 kW at 600 V rated value0.60 kW at 400 V rated value0.09 kW at 600 V rated value0.1 kW at 600 V rated value1 at 600 V rated value1 at 600 V rated value1 at 22 V0.5 A at 120 V0.5 A at 60 V0.15 A <t< td=""><td></td><td></td></t<>		
at 500 V rated value 0.1 kW at 690 V rated value 0.1 kW • at AC-3e		
at 690 V rated value0.1 kW• at AC-3e at 230 V rated value0 kW- at 400 V rated value0.09 kW- at 690 V rated value0.1 kW- at 690 V rated value0.1 kWoperating frequency0.1 kW- at 690 V rated value0.1 kWoperating frequency0.1 kW- at 690 V rated value0.1 kWoperating frequency10 km- at 690 V rated value0.1 kWoperating frequency10 km- at 690 V rated value0.1 kWoperating frequency10 km- at 690 V rated value10 km- at 690 V rated value10 kmoperating frequency10 km- at 400 V rated value10 km- at 40 V rated value10 km- at 21 V2 A- at 22 V2 A- at 120 V0.5 A- at 230 V0.5 A- at 230 V0.5 A- at 24 V1 A- at 24 V1 A- at 60 V0.15 AProtective and monitoring functions1- protective and monitoring functions1- at 60 V0.15 AProtective and monitoring functionsYes- at 61 rut flaut detectionYes- at 61 rut flaut detectionYes		
• at AC-3e- at 230 V rated value0 kW- at 400 V rated value0.09 kW- at 500 V rated value0.1 kW- at 690 V rated value0.1 kW- at 690 V rated value0.1 kW- at 690 V rated value15 1/h• at AC-3 maximum15 1/h• at AC-3e maximum10Auxiliary circuit1design of the auxiliary switchtransversenumber of NO contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1number of CO contacts for auxiliary contacts1• at 24 V2 A• at 25 V0.5 A• at 230 V0.5 A• at 230 V0.5 A• at 230 V0.5 A• at 24 V1 A• at 60 V0.15 AProduct function• at 60 V0.15 AProtective and monitoring functionsVes• ground fault detectionNo• probas failure detectionNo• pripelasCLASS 10		
- at 230 V rated value 0 kW - at 400 V rated value 0.09 kW - at 500 V rated value 0.1 kW - at 690 V rated value 0.1 kW operating frequency 0.1 kW - at 630 N rated value 15 1/h - at AC-3 maximum 15 1/h - at AC-3 maximum contacts for auxiliary contacts 1 - number of NC contacts for auxiliary contacts 0 - at 24 V 2 A - at 120 V 0.5 A - at 230 V 0.5 A - at 230 V 0.5 A - at 24 V 1 A - at 60 V 0.15 A Protective and monitoring functions <		0.1 kW
- at 400 V rated value0.09 kW- at 500 V rated value0.1 kW- at 690 V rated value0.1 kWoperating frequency-• at AC-3 maximum15 1/h• at 24 V0.5 A• at 120 V0.5 A• at 125 V0.5 A• at 125 V0.5 A• at 24 V1A• at 60 V0.5 A• at 60 V0.5 A		
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• at AC-3 maximum15 1/h• at AC-3e maximum15 1/hAuxiliary circuittransversedesign of the auxiliary switchtransversenumber of NC contacts for auxiliary contacts1number of CO contacts for auxiliary contacts0operational current of auxiliary contacts at AC-150• at 24 V2 A• at 120 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsproduct function• ground fault detection• phase failure detectionYestrip class		0.1 kW
• at AC-3e maximum15 1/hAuxiliary circuittransversedesign of the auxiliary switchtransversenumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts0operational current of auxiliary contacts at AC-150• at 24 V2 A• at 24 V0.5 A• at 120 V0.5 A• at 230 V0.5 A• at 24 V0.15 AProtective and monitoring functions• product function• ground fault detection• phase failure detectionVes• trip classCLASS 10		
Auxiliary circuit transverse design of the auxiliary switch transverse number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 0 e at 24 V 2 A e at 120 V 0.5 A e at 230 V 0.5 A operational current of auxiliary contacts at DC-13 0 e at 24 V 0.5 A e at 24 V 0.5 A ot 230 V 0.5 A operational current of auxiliary contacts at DC-13 0 e at 24 V 0.5 A operational current of auxiliary contacts at DC-13 0.5 A operational current of auxiliary contacts at DC-13 0.5 A e at 60 V 0.15 A Protective and monitoring functions 0.15 A product function V e ground fault detection No ves Yes trip class CLASS 10		
design of the auxiliary switchtransversenumber of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1number of CO contacts for auxiliary contacts0operational current of auxiliary contacts at AC-150• at 24 V2 A• at 120 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-130• at 24 V0.5 A• at 24 V0.5 A• at 24 V0.5 A• at 24 V0.5 A• at 230 V0.5 A• at 24 V0.5 A• at 60 V0.15 AProtective and monitoring functions• ground fault detectionNo• phase failure detectionNo• phase failure detectionCLASS 10		15 1/h
number of NC contacts for auxiliary contacts1number of NO contacts for auxiliary contacts1number of CO contacts for auxiliary contacts0operational current of auxiliary contacts at AC-150• at 24 V2 A• at 20 V0.5 A• at 120 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13		
number of NO contacts for auxiliary contacts1number of CO contacts for auxiliary contacts0operational current of auxiliary contacts at AC-152• at 24 V2 A• at 120 V0.5 A• at 125 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13		
number of CO contacts for auxiliary contacts0operational current of auxiliary contacts at AC-152• at 24 V2 A• at 120 V0.5 A• at 125 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-131• at 24 V0.15 A• at 60 V0.15 AProtective and monitoring functionsNoproduct functionYes• phase failure detectionNo• trip classCLASS 10		
operational current of auxiliary contacts at AC-15• at 24 V2 A• at 20 V0.5 A• at 125 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsproduct functionV• ground fault detectionNo• phase failure detectionYestrip classCLASS 10		
• at 24 V2 A• at 120 V0.5 A• at 125 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13Image: Control of auxiliary contacts at DC-13• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsproduct functionImage: Control of auxiliary contacts at DC-13• ground fault detectionNo• ground fault detectionYes• phase failure detectionCLASS 10	· · · · · · · · · · · · · · · · · · ·	0
• at 120 V0.5 A• at 125 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-130.5 A• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsproduct functionNo• ground fault detectionNo• phase failure detectionYestrip classCLASS 10		2 A
• at 125 V0.5 A• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsproduct function• ground fault detectionNo• phase failure detectionYestrip classCLASS 10		
• at 230 V0.5 Aoperational current of auxiliary contacts at DC-13• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsproduct function• ground fault detectionNo• phase failure detectionYestrip classCLASS 10		
operational current of auxiliary contacts at DC-13 • at 24 V 1 A • at 60 V 0.15 A Protective and monitoring functions product function • ground fault detection No • phase failure detection Yes trip class CLASS 10		
• at 24 V1 A• at 60 V0.15 AProtective and monitoring functionsImage: margin of the sector o		
• at 60 V 0.15 A Protective and monitoring functions		1 A
Protective and monitoring functions product function • ground fault detection • phase failure detection Yes trip class CLASS 10		
product function No • ground fault detection No • phase failure detection Yes trip class CLASS 10	rotective and monitoring functions	
• phase failure detection Yes trip class CLASS 10		
• phase failure detection Yes trip class CLASS 10		No
trip class CLASS 10	-	
		CLASS 10
design of the overload release thermal	design of the overload release	thermal
maximum short-circuit current breaking capacity (lcu)	maximum short-circuit current breaking capacity (Icu)	
at AC at 240 V rated value 100 kA	at AC at 240 V rated value	100 kA
• at AC at 400 V rated value 100 kA	• at AC at 400 V rated value	100 kA
• at AC at 500 V rated value 100 kA	• at AC at 500 V rated value	100 kA
• at AC at 690 V rated value 100 kA	• at AC at 690 V rated value	100 kA
operating short-circuit current breaking capacity (Ics) at AC	operating short-circuit current breaking capacity (Ics) at AC	
• at 240 V rated value 100 kA	• at 240 V rated value	100 kA
• at 400 V rated value 100 kA	• at 400 V rated value	100 kA
• at 500 V rated value 100 kA	• at 500 V rated value	100 kA
• at 690 V rated value 100 kA	• at 690 V rated value	100 kA
response value current of instantaneous short-circuit trip unit 4.2 A	response value current of instantaneous short-circuit trip unit	4.2 A
UL/CSA ratings	L/CSA ratings	
full-load current (FLA) for 3-phase AC motor	full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value 0.32 A	• at 480 V rated value	0.32 A
• at 600 V rated value 0.32 A	• at 600 V rated value	0.32 A
contact rating of auxiliary contacts according to UL C300 / R300	contact rating of auxiliary contacts according to UL	C300 / R300

product function short circuit protection Yes design of the short-circuit trip magnetic design of the two link Fuse gL/gC: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 / A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 / A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 / A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 / A (short-circuit current ik < 4 / A) C: 10 A, miniature circuit breaker C 6 / A (short-circuit current circuit super circuit breaker C 6 / A (short-circuit current circuit super circuit circuit super circuit circu	Short-circuit protection			
design of the short-circuit trip magnetic design of the two link for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fastening method arry fastening method arry fastening non-on mounting onto 35 mm DIN rail according to DIN EN 6071 height 106 mm with add-ty-side mounting at the side of man on the side<td></td><td>Yes</td>		Yes		
design of the fuse link Fuse gL/g0: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 4 A)				
for short-circul protection of the auxiliary switch required A Suss gLigG: 10 A, miniature circuit breaker C 6 A (short-circuit current ik < 4 A mounting collinensions any mounting collinension any any		magnete		
mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071 height 106 mm with 45 mm dopth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm - upwards 30 mm - upwards 30 mm - at the side 9 mm • for grounded parts at 500 V 30 mm - at the side 9 mm • for ilve parts at 500 V 30 mm - at the side 9 mm • for ilve parts at 500 V 30 mm - at the side 9 mm • for ilve parts at 500 V 30 mm - at the side 9 mm • for ilve parts at 500 V 30 mm - at the side 30 mm - upwards 30 mm - at the side 30 mm - upwards 50 mm - at the side 30 mm - upwards 50 mm	-	Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current Ik < 400 A)		
festing method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071 height 106 mm depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • of or grounded parts at 400 V 30 mm - downwards 30 mm - upwards 30 mm - at the side 9 mm • for lice parts at 400 V - - downwards 30 mm - at the side 9 mm • for lice parts at 400 V - - downwards 30 mm - at the side 9 mm • for lice parts at 500 V - - downwards 30 mm - upwards 30 mm - at the side 9 mm • for lice parts at 500 V - - downwards 30 mm - upwards 30 mm - upwards 50 mm - backwards 0 mm -	Installation/ mounting/ dimensions			
festing method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071 height 106 mm depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • of or grounded parts at 400 V 30 mm - downwards 30 mm - upwards 30 mm - at the side 9 mm • for lice parts at 400 V - - downwards 30 mm - at the side 9 mm • for lice parts at 400 V - - downwards 30 mm - at the side 9 mm • for lice parts at 500 V - - downwards 30 mm - upwards 30 mm - at the side 9 mm • for lice parts at 500 V - - downwards 30 mm - upwards 30 mm - upwards 50 mm - backwards 0 mm -		any		
width 45 mm depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • downwards 30 mm - upwards 50 mm - upwards 50 mm - upwards 50 mm - upwards 30 mm		screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
depth 97 mm required spacing 0 mm • with side b-yside mounting at the side 0 mm • for grounded parts at 400 V 30 mm - qownwards 30 mm - at the side 9 mm • for live parts at 400 V	height	106 mm		
required spacing 0 mm • with side-by-side mounting at the side 0 mm • or grounded parts at 400 V 30 mm - upwards 30 mm - upwards 30 mm - at the side 9 mm • for live parts at 400 V 30 mm - upwards 30 mm - upwards 30 mm - upwards 30 mm - upwards 30 mm - at the side 9 mm • for grounded parts at 500 V 30 mm - upwards 30 mm - at the side 9 mm • for grounded parts at 690 V - - downwards 50 mm - upwards 50 mm - at the side 30 mm - upwards 50 mm - upwards 50 mm - downwards 50 mm - upwards 50 mm - at the side 30 mm - backwards 0 mm - forwards	width	45 mm		
 with side-by-side mounting at the side 0 mm or grounded parts at 400 V - upwards 30 mm - upwards 30 mm - at the side 9 mm for live parts at 400 V - downwards 30 mm - upwards 0 mm - at the side 9 mm or or under parts at 500 V - at the side 0 mm - upwards 0 mm - upwards 0 mm - upwards 0 mm - backwards 0 mm - backwards	depth	97 mm		
for grounded parts at 400 V	required spacing			
-downwards30 mmupwards9 mm-of the side9 mm-of or live parts at 400 Vdownwards30 mm-upwards30 mm-upwards9 mm-of orgounded parts at 500 Vdownwards30 mm-upwards30 mm-upwards30 mm-upwards30 mmdownwards30 mm-upwards30 mm-upwards50 mm <td> with side-by-side mounting at the side </td> <td>0 mm</td>	 with side-by-side mounting at the side 	0 mm		
upwards30 mm at the side9 mm downwards30 mm upwards30 mm upwards30 mm at the side9 mm downwards30 mm at the side9 mm downwards30 mm upwards30 mm upwards30 mm upwards30 mm upwards30 mm upwards30 mm upwards30 mm at the side9 mm of onike parts at 500 V downwards30 mm upwards30 mm upwards30 mm upwards30 mm upwards30 mm upwards30 mm at the side9 mm downwards50 mm at the side30 mm backwards0 mm backwards0 mm at the side30 mm forwards50 mm downwards50 mm at the side30 mm backwards50 mm backwards <td> for grounded parts at 400 V </td> <td></td>	 for grounded parts at 400 V 			
	— downwards	30 mm		
• for live parts at 400 V	— upwards	30 mm		
- downwards30 mm- upwards30 mm- at the side9 mm- for grounded parts at 500 V downwards30 mm- upwards30 mm- upwards30 mm- at the side9 mm- for lar parts at 500 V downwards30 mm- at the side9 mm- for lar parts at 500 V downwards30 mm- upwards30 mm- upwards30 mm- upwards50 mm- downwards50 mm- downwards50 mm- upwards0 mm- backwards0 mm- forwards0 mm- backwards0 mm- for and current circuitspring-loaded terminals- for anin current circuitspring-loaded terminals- for main current circuitspring-loaded terminals- for main current circuitspring-loaded terminals- for main contacts- solid or stranded- solid or stranded2x (0.5 4 mm²)		9 mm		
upwards30 mm at the side9 mm- downwards30 mm downwards30 mm upwards30 mm at the side9 mm at the side9 mm downwards30 mm at the side9 mm downwards30 mm upwards30 mm upwards30 mm upwards30 mm at the side9 mm at the side9 mm downwards50 mm at the side90 mm downwards50 mm backwards0 mm backwards0 mm forwards0 mm forwards50 mm backwards0 mm backwards0 mm backwards0 mm backwards0 mm forwards0 mm forwards				
• for grounded parts at 500 V	•			
- downwards 30 mm - upwards 30 mm - at the side 9 mm • for live parts at 500 V 30 mm - downwards 30 mm - upwards 50 mm - at the side 9 mm • for grounded parts at 690 V 50 mm - upwards 50 mm - backwards 0 mm - at the side 30 mm - at the side 30 mm - at the side 30 mm - forwards 0 mm - forwards 0 mm - forwards 50 mm - downwards 50 mm - downwards 50 mm - forwards 0 mm - backwards 0 mm - backwards 0 mm - forwards 0		9 mm		
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at the side9 mm• for live parts at 500 V30 mm- downwards30 mm upwards30 mm at the side9 mm• for grounded parts at 690 V downwards50 mm downwards50 mm downwards0 mm backwards0 mm backwards0 mm forwards0 mm forwards0 mm forwards0 mm forwards0 mm forwards50 mm downwards50 mm downwards50 mm forwards0 mm forwards				
• for live parts at 500 V	•			
- downwards30 mm- upwards30 mm- at the side9 mm• for grounded parts at 690 V downwards50 mm- upwards50 mm- backwards0 mm- backwards0 mm- at the side30 mm- for vards0 mm- for live parts at 690 V downwards50 mm- for live parts at 690 V downwards50 mm- downwards50 mm- downwards50 mm- backwards0 mm- backwards50 mm- upwards50 mm- backwards0 mm- backwards0 mm- backwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- for auxiliary and control circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• for main current circuitspring-loaded terminals• for main contactsTop and bottom• for main contacts- solid or stranded2x (0,5 4 mm²)		9 mm		
upwards30 mm at the side9 mm- for grounded parts at 690 V downwards50 mm upwards50 mm upwards0 mm backwards0 mm at the side30 mm forwards0 mm forwards0 mm forwards0 mm downwards50 mm downwards50 mm downwards50 mm downwards50 mm upwards50 mm upwards50 mm upwards50 mm upwards0 mm backwards0 mm backwards0 mm backwards0 mm at the side30 mm at the side0 mm forwards0 mm forwards0 mm forwards0 mm at the side0 mm forwards0 mm forwards0 mm forwards0 mm forwards0 mm formain current circuitspring-loaded terminals for auxiliary and control circuitspring-loaded terminals for auxiliary and control circuitspring-loaded terminals for main current circuitspring-loaded terminals solid or stranded2x (0,5 4 mm²)	-	20 mm		
 for grounded parts at 690 V downwards downwards upwards upwards backwards mm backwards omm at the side of mm for live parts at 690 V downwards for live parts at 690 V downwards of mm for live parts at 690 V downwards 50 mm downwards 50 mm downwards of mm backwards of mm backwards of mm backwards of mm backwards of mm forwards of mm forwards of mm for main current circuit spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit spring-loaded terminals arrangement of electrical connectors for main current type of connectable conductor cross-sections for main contacts solid or stranded 2x (0,5 4 mm²) 	•			
downwards50 mm		3 11111		
upwards50 mmbackwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm• for live parts at 690 V downwards50 mm- upwards50 mm- upwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- for auxiliary and control circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• for main contacts- solid or stranded- solid or stranded2x (0,5 4 mm²)		50 mm		
at the side 30 mm forwards 0 mm • for live parts at 690 V - downwards 50 mm upwards 50 mm upwards 0 mm backwards 0 mm at the side 30 mm forwards 0 mm forwards 0 mm at the side 30 mm forwards 0 mm forwards forwards	•			
forwards0 mm• for live parts at 690 V50 mm downwards50 mm upwards50 mm backwards0 mm backwards0 mm at the side30 mm forwards0 mm <td></td> <td></td>				
• for live parts at 690 VS0 mm- downwards50 mm- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- for act the side30 mm- for act the side0 mm- for act the side50 mm- solid or stranded2x (0,5 4 mm²)				
- downwards50 mm- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mmconnections/ Terminals0 mmtype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminalsarrangement of electrical connectors for main currentTop and bottomtype of connectable conductor cross-sectionsJack at mm²)				
- upwards50 mm- backwards0 mm- at the side30 mm- forwards0 mm- forwards0 mmConnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminalsarrangement of electrical connectors for main currentTop and bottomtype of connectable conductor cross-sectionsTop and bottom• for main contacts2x (0,5 4 mm²)	-	50 mm		
at the side30 mm forwards0 mmConnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminalsarrangement of electrical connectors for main current circuitTop and bottomtype of connectable conductor cross-sections • for main contacts - solid or stranded2x (0,5 4 mm²)	•			
forwards 0 mm Connections/Terminals type of electrical connection spring-loaded terminals • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections Zx (0,5 4 mm²)				
Connections/ Terminals type of electrical connection spring-loaded terminals • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections • for main contacts - solid or stranded 2x (0,5 4 mm²)				
type of electrical connection spring-loaded terminals • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections - solid or stranded - solid or stranded 2x (0,5 4 mm²)				
• for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections • for main contacts • for main contacts - solid or stranded 2x (0,5 4 mm²) 2x (0,5 4 mm²)				
• for auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded 2x (0,5 4 mm²)		spring-loaded terminals		
arrangement of electrical connectors for main current circuit Top and bottom type of connectable conductor cross-sections for main contacts — solid or stranded 2x (0,5 4 mm²) 				
type of connectable conductor cross-sections • • for main contacts - — solid or stranded 2x (0,5 4 mm²)	arrangement of electrical connectors for main current			
for main contacts — solid or stranded 2x (0,5 4 mm ²)				
— solid or stranded 2x (0,5 4 mm ²)				
		2x (0,5 4 mm²)		
	— finely stranded with core end processing	2x (0.5 2.5 mm ²)		
 — finely stranded without core end processing 2x (0.5 2.5 mm²) 				
• for AWG cables for main contacts 2x (20 12)				
type of connectable conductor cross-sections	type of connectable conductor cross-sections			
for auxiliary contacts				
— solid or stranded 2x (0.5 2.5 mm ²)	-	2x (0.5 2.5 mm²)		
— finely stranded with core end processing 2x (0.5 1.5 mm ²)	— finely stranded with core end processing	2x (0.5 1.5 mm²)		
— finely stranded without core end processing 2x (0.5 1.5 mm ²)	- finely stranded without core end processing	2x (0.5 1.5 mm²)		
• for AWG cables for auxiliary contacts 2x (20 14)	 for AWG cables for auxiliary contacts 	2x (20 14)		
design of screwdriver shaft Diameter 3 mm	design of screwdriver shaft	Diameter 3 mm		

size of the scrowdriver tip	2	0 x 0 5 mm		
size of the screwdriver tip	3,	.0 x 0,5 mm		
Safety related data				
product function suitable for safety function	Ye	es		
suitability for use				
 safety-related switching on 	N			
safety-related switching OFF		es		
service life maximum		Оа		
test wear-related service life necessary		es		
proportion of dangerous failures				
 with low demand rate according to SN 31920 	0 40	0 %		
with high demand rate according to SN 3192	20 50	0 %		
B10 value with high demand rate according to S	SN 31920 5	000		
failure rate [FIT] with low demand rate accordin 31920	ig to SN 50) FIT		
ISO 13849				
device type according to ISO 13849-1	3			
overdimensioning according to ISO 13849-2 new	cessary Ye	es		
IEC 61508				
safety device type according to IEC 61508-2	Ту	уре А		
 T1 value for proof test interval or service life according 61508 	g to IEC 10) a		
Electrical Safety				
protection class IP on the front according to IE	C 60529	20		
			from the front	
touch protection on the front according to IEC (nger-safe, for vertical contact		
Display				
display version for switching status	Ha	andle		
Approvals Certificates				
General Product Approval				
CCC CCC CCC EG-Konf.	UK CA	<u>Confirmation</u>		KC
General Product Approval	ocations	Test Certificates		Marine / Shipping
	IECE×	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS
Marine / Shipping				other
BUREAU VERITAS	Llovds Register urs	PRS	RINA	<u>Miscellaneous</u>
other	Railway		Environment	
Confirmation	Special Test Certific	<u>C-</u> <u>Confirmation</u>		
	ate		EPD	Siemens EcoTech
Environment			EPD	

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-0DA25

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0DA25

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0DA25

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

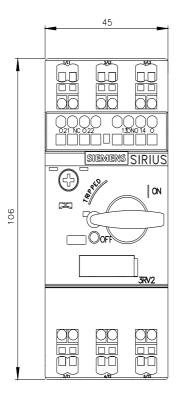
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0DA25&lang=en

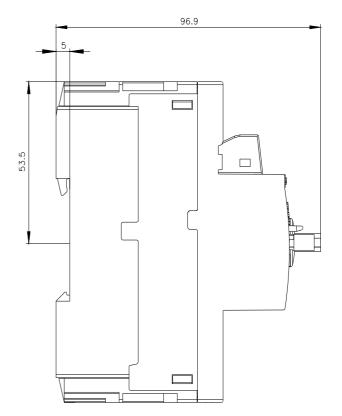
Characteristic: Tripping characteristics, I²t, Let-through current

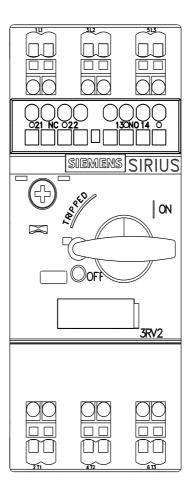
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0DA25/char

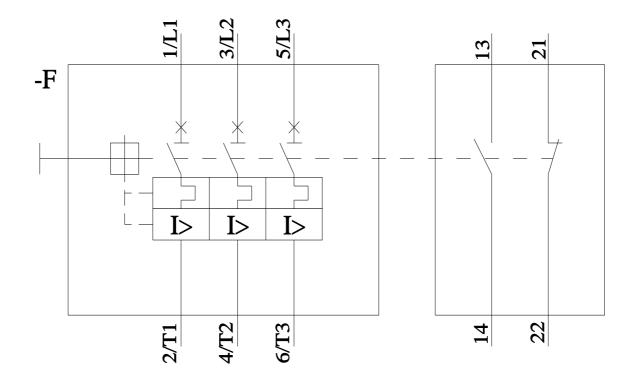
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0DA25&objecttype=14&gridview=view1









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