SIEMENS

Data sheet

3RV1011-0DA15



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

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
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
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)	01/01/2013
SVHC substance name	Lead - 7439-92-1
Weight	0.245 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 %
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
type of voltage for main current circuit	AC
operating voltage	
rated value	20 690 V
• at AC-3 rated value maximum	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.32 A
operational current	

• at AC3 at 400 V rated value 0.82 A • at AC3 at 400 V rated value 0.82 A • at AC3 0 W - at 230 V rated value 0.40 WW - at 230 V rated value 0.40 WW - at 230 V rated value 0.40 WW - at 230 V rated value 0.12 WW - at 230 V rated value 0.96 WW - at 230 V rated value 0.96 WW - at 300 V rated value 0.72 WW • at AC3 martum 15 1/h • at AC3 martum 15 1/h • at AC3 martum 15 1/h • at AC4 maxima value 0.06 WW • at AC4 maxima 10 MW • at AC4 maxima 10 MW • at AC4 maxima 11 MW • at AC4 M 2 A • at 120 V 2 A • at 210 V 2 A • at 220 V 2 A • at 20 V 0.5 A • operational current of auxiliary contacts at DC-13 1.4 • at 20 V 0.5 A • operational current of auxiliary contacts		
operating power • at 4230 V rade Value 0 kW - at 4200 V rade Value 0 kW - at 430 V rade Value 0 kW - at 630 V rade Value 0 kW - at 730 V 0 ka - at 730 V 2 A - at 120 V 2 A - a	 at AC-3 at 400 V rated value 	0.32 A
- art AC3 0 W - art AC3 0 W - art AOV rade value 0.09 kW - art AOV rade value 0.12 kW - art AOV rade value 0.12 kW - art AOV rade value 0.06 kW - art AOV rade value 0.06 kW - art AOV rade value 0.06 kW - art AOV rade value 0.02 kW - art AOV rade value 0.12 kW - art AOV rade value 0.10 kDOC number of NC contracts for auxiliary contracts 1 number of NC contracts for auxiliary contracts 1 number of NC contracts for auxiliary contracts 0.10 kDOC opportional current of auxiliary contracts at DC-13 -art 120 V - art 20 V 2.A -art 120 V - art 20 V 2.A -art 120 V - ort 20 V 2.A -art 120 V - art 20 V 2.A	 at AC-3e at 400 V rated value 	0.32 A
	operating power	
	• at AC-3	
	— at 230 V rated value	0 kW
	— at 400 V rated value	0.09 kW
		0.12 kW
elt AC-3e en 42-3e en 42-3e en 42-30 V rated value 0.05 WV en 42-30 V rated value 0.05 WV en 42-30 V rated value 0.12 kW en 42-30 V rated value 0.12 kW en 42-32 W ent 42-33 W ent 42-34 W ent 42-44 W ent 42		
		0.12 NVV
		0.114
— al 600 V rated value 0.12 kW operating frequency 15 1/h • al AC-3e maximum 15 1/h • dat AC-3e maximum 15 1/h design of the auxiliary switch transverse dype of voltage for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • • at 24 V 2 A • at 25 V 2 A • at 26 V 2 A • at 26 V 2 A • at 27 V 2 A • at 28 V 2 A • at 28 V 2 A • at 28 V 0.15 A Product function Yes operational current of auxiliary contacts at DC-13 1 A • at 28 V 0.15 A Product function Yes operating datedtection Yes • pround final detection Yes • at AC at 900 Y rated value 100 kA		
operating frequency 15 1/h • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h • dat AC-3 maximum AC/DC number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • • at 120 V 2 A • at 230 V 0 5 A operational current of auxiliary contacts at DC-13 • at 24 V 1 A • at 24 V 10 A	— at 500 V rated value	0.12 kW
• at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h Auxiliary decit • at AC-3 maximum design of the auxiliary switch transverse type of voltage for auxiliary contracts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts 1 • at 120 V 2 A • at 120 V 2 A • at 125 V 2 A • at 125 V 2 A • at 230 V 0.5 A operational current of auxiliary contacts at DC-13 1 A • at 24 V 1 A • at 25 V 0.5 A operational current of auxiliary contacts at DC-13 1 A • at 20 V 0.5 A protact function No • plase fullare detection Yes trip class CLASS 10 design of the overload release thermal maximum should build to detection Yes trip class CLASS 10 design of the overload release thermal tat AC at 800 V rated value 10	— at 690 V rated value	0.12 kW
• at AC-3e maximum 15 1h Auxiliary circuit design of the auxiliary witch transverse type of voltage for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • • at 24 V 2 A • at 120 V 2 A • at 120 V 2 A • at 230 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 20 V 0.15 A Protective and monitoring functions V product function Yes • ground fault delection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (icu) • • at AC at 20 V rated value 100 kA • at AC at 40 V rated value 100 kA • at AC at 40 V rated value 100 kA • at AC at 40 V rated value 100 kA • at AC at 200 V rated value 100 kA • at 400	operating frequency	
Auxiliary circuit Constraints design of the auxiliary and control circuit AC/DC number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 2A • at 24 V 2A • at 10 V 2A • at 120 V 2A • at 120 V 2A • at 120 V 2A • at 220 V 0.5A operational current of auxiliary contacts at DC-13 1 • at 24 V 1A • at 60 V 0.15 A Protective and monitoring functions Protective and monitoring functions product function Yes • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Ice) 4AC • at AC at 900 Y rated value 100 kA • at AC at 900 Y rated value 100 kA • at AC at 900 Y rated value 100 kA • at 400 Y rated value 100 kA • at 800 Y rated value<	• at AC-3 maximum	15 1/h
design of the auxiliary switch transverse type of voltage for auxiliary and control circuit ACDC number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • • at 120 V 2 A • at 120 V 2 A • at 120 V 2 A • at 120 V 0 S A • at 220 V 0 S A • at 24 V 1 A • at 24 V 10 V • at 24 V 1 A • at 24 V 10 V • at 24 V 100 V • at 24 V value value 100 VA • at 24 V value value 100 VA • at 24 V value value 100 VA •	• at AC-3e maximum	15 1/h
type of voltage for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 0 • al 24 V 2A • at 110 V 2A • at 125 V 2A • at 125 V 2A • at 125 V 2A • at 24 V 0.5A operational current of auxiliary contacts at DC-13 1A • at 24 V 1A • at 24 V 0.15 A Protective and monitoring functions product function • ground fault detection Yes tip class CLASS 10 design of the overload release thermal maximus short-circuit current breaking capacity (icu) • at AC at 400 V rated value • at AC at 400 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at 600 V rated value 100 k	Auxiliary circuit	
type of voltage for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 0 • al 24 V 2A • at 110 V 2A • at 125 V 2A • at 125 V 2A • at 125 V 2A • at 24 V 0.5A operational current of auxiliary contacts at DC-13 1A • at 24 V 1A • at 24 V 0.15 A Protective and monitoring functions product function • ground fault detection Yes tip class CLASS 10 design of the overload release thermal maximus short-circuit current breaking capacity (icu) • at AC at 400 V rated value • at AC at 400 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at 600 V rated value 100 k	design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 0 • at 24 V 2 A • at 110 V 2 A • at 120 V 2 A • at 120 V 2 A • at 120 V 2 A • at 220 V 0.5 A operational current of auxiliary contacts at DC-13 • at 20 V • at 20 V 0.15 A Productive and monitoring functions Productive and monitoring functions • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • at AC at 400 V rated value • at AC at 400 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V		
number of NO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 0 • at 24 V 2 A • at 110 V 2 A • at 120 V 2 A • at 230 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 24 V 1 A • at 80 V 0.15 A Protective and monitoring functions • product function No • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • 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 500 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA		
number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 2 A • at 120 V 2 A • at 120 V 2 A • at 120 V 2 A • at 230 V 0.5 A operational current of auxiliary contacts at DC-13 1 A • at 24 V 0.15 A Protective and monitoring functions product function No • ground fault detection No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • at AC at 400 V rated value • at AC at 400 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 400 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 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 k		
operational current of auxiliary contacts at AC-15 2 A • at 124 V 2 A • at 110 V 2 A • at 120 V 2 A • at 123 V 2 A • at 230 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 24 V 1 A • at 24 V 1 A • at 60 V 0.15 A Protective and monitoring functions Product function • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 400 V rated value 100 kA • at 4	-	
	·	0
• atl 10 V 2 A • atl 22 V 2 A • atl 23 V 0.5 A operational current of auxiliary contacts at DC-13 1 A • atl 24 V 1 A • atl 60 V 0.15 A Protective and monitoring functions Protective and monitoring functions product function No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA • at AC at 240 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 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 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 0.32 A <		
• at 120 V 2 A • at 230 V 0.5 A operational current of auxiliary contacts at DC-13 0.5 A • at 24 V 1 A • at 60 V 0.15 A Protective and monitoring functions • product function No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • 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 400 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 0 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 00 kA • at 600 V rated value 0.32 A • at	• at 24 V	
 at 125 V at 230 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V 1 A at 60 V 0.15 A Product function orground fault detection No optase failure detection Yes trip class CLASS 10 design of the overload release thermal 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 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at AC at 600 V rated value 100 kA at 400 V rated value 100 kA at 600 V rated value 00 kA at 600 V rated value 00 kA at 600 V rated value 00 kA at 600 V rated value 0.32 A at 600 V rated value 0.32 A at 400 V rated value 0.32 A<td>• at 110 V</td><td>2 A</td>	• at 110 V	2 A
• at 230 V 0.5 A 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 - • proase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) - • 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 400 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 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 0.32 A • at 600 V rated value 0.32 A • at 600 V rated value 0.32 A <td>• at 120 V</td> <td>2 A</td>	• at 120 V	2 A
operational current of auxiliary contacts at DC-13 1 A • at 24 V 1 A • at 60 V 0.15 A Protective and monitoring functions • product function No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 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 600 V rated value 0.32 A	• at 125 V	2 A
• at 22 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 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at 4C0 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 0.32 A • at 400 V rated value 0.32 A • at 600 V rated value 0.32 A • at 600 V rated value 0.32 A	• at 230 V	0.5 A
• at 60 V 0.15 Å Protective and monitoring functions	operational current of auxiliary contacts at DC-13	
Protective and monitoring functions product function s • ground fault detection No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 0.32 A • at 80 V rated value 0.32 A • at 80 V rated value 0.32 A • at 80 V rated value 0.32 A • at 800 V rated value 0.32 A • at 600 V rated value 0.32 A • at 800 V rated value 0.32 A • at 600 V rated value 0.32	• at 24 V	1 A
product function No • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • at AC at 240 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 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 690 V rated value 000 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings	• at 60 V	0.15 A
product function No • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • at AC at 240 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 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 690 V rated value 000 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings	Protective and monitoring functions	
• ground fault detection No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • at AC at 240 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 • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the fuse link for IT network for short-circuit fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)		
• phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • • at AC at 240 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 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings	•	No
trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 690 V rated value 100 kA • at 240 V rated value 100 kA • at 200 V rated value 100 kA • at 200 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 00 kA • at 600 V rated value 0.32 A • at 600 V rated value	-	
design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA • at AC at 240 V rated value 100 kA • at AC at 400 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 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 800 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings		165
maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value at 240 V rated value at 240 V rated value at 240 V rated value at 400 V rated value at 400 V rated value at 600 V rated value at 890 V rated value at 890 V rated value bo kA e at 600 V rated value at 600 V rated value bo kA at 800 V rated value at 800 V rated value bo kA e at 600 V rated value bo kA contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection yres design of the short-circuit trip magnetic design of the slink for short-circuit protection of the auxiliary switch required fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current Ik < 400 A) design of the fuse link for IT network for short-circuit	•	
• at AC at 240 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 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • 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 600 V rated value 0.32 A • contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes product function short circuit protection Yes design of the short-circuit rup magnetic design of the slink fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit cu	trip class	
• at AC at 400 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 • 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 690 V rated value 0.00 kA • at 690 V rated value 0.32 A • at 600 V rate	trip class design of the overload release	
• at AC at 500 V rated value 100 kA • at AC at 690 V rated value 100 kA operating short-circuit current breaking capacity (Ics) at AC 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 690 V rated value 0.0 kA • at 690 V rated value 0.0 kA • at 690 V rated value 0.0 kA • at 690 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 • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu)	thermal
• at AC at 690 V rated value 100 kA operating short-circuit current breaking capacity (Ics) at AC 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 690 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 UL/CSA ratings Jul/CSA ratings full-load current (FLA) for 3-phase AC motor 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 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value	thermal 100 kA
operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 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 • at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 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 Short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit protection of the auxiliary switch required fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value	thermal 100 kA
• at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 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 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current Ik < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value	thermal 100 kA 100 kA
• at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings 4.2 A full-load current (FLA) for 3-phase AC motor 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 Short-circuit protection Yes product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value	thermal 100 kA 100 kA 100 kA
• at 500 V rated value 100 kA • at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings 4.2 A full-load current (FLA) for 3-phase AC motor 0.32 A • at 480 V rated value 0.32 A • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value	thermal 100 kA 100 kA 100 kA
• at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings 4.2 A full-load current (FLA) for 3-phase AC motor 0.32 A • at 480 V rated value 0.32 A • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (lcu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (lcs) at AC	thermal 100 kA 100 kA 100 kA 100 kA
• at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings 4.2 A full-load current (FLA) for 3-phase AC motor 0.32 A • at 480 V rated value 0.32 A • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA
response value current of instantaneous short-circuit trip unit 4.2 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 0.32 A • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 0.32 A • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (lcu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (lcs) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA
full-load current (FLA) for 3-phase AC motor 0.32 A • at 480 V rated value 0.32 A • at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (lcu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (lcs) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA
 at 480 V rated value at 600 V rated value 0.32 A 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for short-circuit protection of the auxiliary switch required fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) design of the fuse link for IT network for short-circuit 	trip class design of the overload release maximum short-circuit current breaking capacity (lcu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA
• at 600 V rated value 0.32 A contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA
contact rating of auxiliary contacts according to UL C300 / R300 Short-circuit protection Yes product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value	thermal 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA 100 kA
Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (lcu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (lcs) at AC • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value	thermal 100 kA 100 kA
product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value	thermal 100 kA 100 kA
design of the short-circuit trip magnetic design of the fuse link fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	thermal 100 kA 100 kA
design of the fuse link • for short-circuit protection of the auxiliary switch required fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	thermal 100 kA 100 kA
• for short-circuit protection of the auxiliary switch required fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) design of the fuse link for IT network for short-circuit	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal 100 kA 100 k
• for short-circuit protection of the auxiliary switch required fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) design of the fuse link for IT network for short-circuit	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 600 V rat	thermal 100 kA 100 k
design of the fuse link for IT network for short-circuit	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 600 V rat	thermal 100 kA 100 k
	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the short-	thermal 100 kA 4.2 A
	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 600 V rat	thermal 100 kA 4.2 A
• at 240 V none required	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protecti	thermal 100 kA 4.2 A

• at 400 V	None required				
• at 500 V	None required				
• at 690 V	None required				
Installation/ mounting/ dimensions					
mounting position	any				
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
height	90 mm				
width	45 mm				
depth	75 mm				
required spacing					
 for grounded parts at 400 V 					
— downwards	20 mm				
— upwards	20 mm				
— at the side	9 mm				
 for live parts at 400 V 					
— downwards	20 mm				
— upwards	20 mm				
— at the side	9 mm				
• for grounded parts at 500 V					
— downwards	20 mm				
— upwards	20 mm				
— at the side	9 mm				
• for live parts at 500 V					
— downwards	20 mm				
— upwards	20 mm				
— at the side	9 mm				
 for grounded parts at 690 V 					
— downwards	20 mm				
— upwards	20 mm				
— backwards	0 mm				
— at the side	9 mm				
— forwards	0 mm				
 for live parts at 690 V 					
— downwards	20 mm				
— upwards	20 mm				
— backwards	0 mm				
— at the side	9 mm				
— forwards	0 mm				
Connections/ Terminals					
type of electrical connection					
 for main current circuit 	screw-type terminals				
 for auxiliary and control circuit 	screw-type 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 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)				
 — finely stranded with core end processing 	2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)				
type of connectable conductor cross-sections					
for auxiliary contacts					
- solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
tightening torque					
 for main contacts with screw-type terminals 	0.8 1.2 N·m				
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m				
design of screwdriver shaft	Diameter 5 to 6 mm				
size of the screwdriver tip	Pozidriv size 2				
design of the thread of the connection screw					
for main contacts	M3				
 of the auxiliary and control contacts 	M3				
Safety related data					
product function suitable for safety function	Yes				
product runction suitable for safety function	100				

suitability for use						
 safety-related switching on 			D			
safety-related switching OFF			Yes			
service life maximum			10 a			
test wear-related service life necessary			Yes			
proportion of dangerous failures						
 with low demand rate according to SN 31920 			40 %			
 with high demand rate according to SN 31920) %			
B10 value with high demand rate according to SN 31920			5 000			
failure rate [FIT] with low demand rate according to SN 31920			50 FIT			
ISO 13849						
device type according	to ISO 13849-1	3				
overdimensioning acc	ording to ISO 13849-2 n	ecessary Ye	es			
IEC 61508						
safety device type acc	ording to IEC 61508-2	Ту	/ре А			
Electrical Safety						
protection class IP on	the front according to I	EC 60529 IP	20			
touch protection on th	e front according to IEC	60529 fir	nger-safe, for vertical contact	from the front		
isplay						
display version for switc	hing status	R	ocker switch			
pprovals Certificates						
General Product Appr	oval					
ccc	EG-Konf.	UK CA	UL			
General Product Approval	For use in hazardous	locations	Test Certificates		Marine / Shipping	
<u>BIS CRS</u>	IECE×	K ATEX	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	ABS	
Marine / Shipping						
B U R E A U VERITAS		Llovd's Register urs	PRS	RINA		
other			Railway	Environment		
<u>Miscellaneous</u>	<u>Confirmation</u>		<u>Special Test Certific-</u> <u>ate</u>	Environmental Con- firmations		
urther information Information on the pao	skaging					
https://support.industry.	siemens.com/cs/ww/en/vie nloadcenter (Catalogs, E <u>m/ic10</u>					

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-0DA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0DA15

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0DA15

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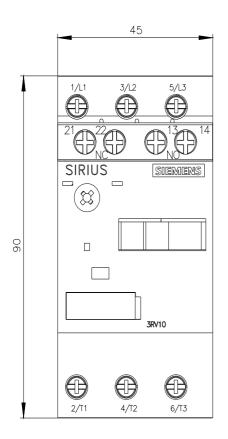
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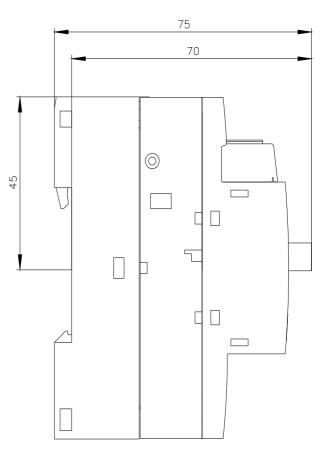
 Characteristic: Tripping characteristics, I²t, Let-through current

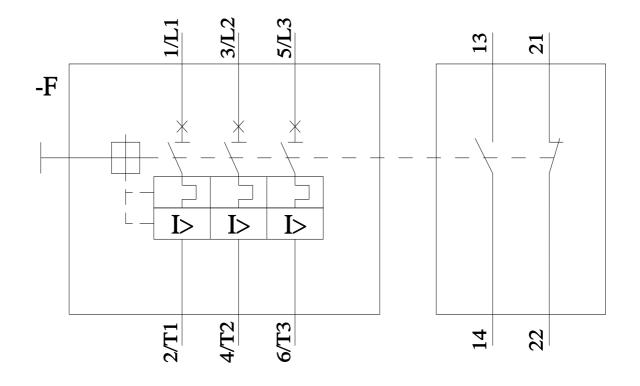
 https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0DA15/char

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

 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0DA15&objecttype=14&gridview=view1







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