SIEMENS

Data sheet

3RV2011-1DA15



Circuit breaker size S00 for motor protection, CLASS 10 A-release 2.2...3.2 A N release 42 A screw 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	\$00
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 	7.25 W
 at AC in hot operating state per pole 	2.4 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
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
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	2.2 3.2 A
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	3.2 A
operational current	

• # AC-3 at ACO V rater value 32 A operating power 32 A • # AC-3 at AOV valued value 32 A • # AC-3 at AOV valued value 0.6 kW - # 320 V valued value 1.1 kW - # 320 V valued value 1.1 kW - # 320 V valued value 2.2 kW • # AC-3a 0.6 kW - # 320 V valued value 2.2 kW • # AC-3a 0.6 kW - # 320 V valued value 2.2 kW • # AC-3a maximum 15 1/h • # AC-3a maximum 15 1/h • # AC-3a maximum 15 1/h • # AC-3a maximum 16 1/h • # AC-3a maximum 10 1/h • # AC-3a maximum 0.1 • # AC-3a maximum 0.1 • # AC-3a maximum 0.5 A • # AC-3a M Ovated value 0.5 A		
operating power at 420 Vrailed value at 420 Vrailed value	 at AC-3 at 400 V rated value 	3.2 A
• at AC-3•- at AC-30.6 kW- at 600 Vrade value1.1 kW- at 600 Vrade value2.2 kW- at 200 Vrade value0.6 kW- at 200 Vrade value0.6 kW- at 200 Vrade value0.6 kW- at 600 Vrade value2.2 kW- at 600 Vrade value1.5 kW- at 600 Vrade value2.2 kW- at 600 Vrade value1.5 lrh- at 600 Vrade value0.6 kM- at 600 Vrade value1.6 km- at 600 Vrade value0.6 kM- at 720 Vrade value1.6 kM- at 720 Vrade value0.6 kM- at 720 Vrade value1.6 kM- at 720 Vrade value1.6 kM- at 720 Vrade value1.0 kA- at 720 Vrade value1.0 kA- at 720 Vrade value1.0 kA- at 720 Vrade value1.0 kA </td <td></td> <td>3.2 A</td>		3.2 A
	operating power	
- af 400 Vradel value1.1 kW- af 500 Vradel value1.5 kW- af 230 Vradel value0.6 kW- af 400 Vradel value2.2 kW- af 600 Vradel value1.5 th- af 600 Vradel value1.5 th- af 600 Vradel value1.6 km- af 600 Vradel value0.5 th- af 600 Vradel value0.5 th- af 600 Vradel value0.6 km- af 720 Vradel value1.0 kh- af 720 Vradel value1.0 kh- af 720 Vradel value1.00 kh- af 720 Vradel value1.00 kh- af 720 Vradel value1.00 kh- af 720 Vradel value <t< td=""><td>• at AC-3</td><td></td></t<>	• at AC-3	
	— at 230 V rated value	0.6 kW
	— at 400 V rated value	1.1 kW
• at AC-3e 0.0 kW - at 220 V ratid value 0.0 kW - at 600 V rated value 1.1 kW - at 600 V rated value 1.5 kW - at 600 V rated value 2.2 kW opparting frequency 1 - at 600 V rated value 2.2 kW opparting frequency 1 - at 600 V rated value 2.2 kW opparting frequency 1 - at 600 V rated value 1.5 fh - at 600 V rated value 1.5 fh - at 7.0 Contracts for a xulliary contacts 1 - number of NC contracts for a xulliary contacts 1 - number of Contracts for a xulliary contacts 1 - at 720 V 0.5 A - at 720 V rated value 0.5	— at 500 V rated value	1.5 kW
	— at 690 V rated value	2.2 kW
- al 400 V ratel value11 MV- at 500 V ratel value22 kWoperating frequency15 kW- al 620 v ratel value22 kWof A C-3e maximum15 1h- al A C-3e maximum15 1h- al A C-3e maximum15 1h- al A C-3e maximum16 1h- al A C-3e maximum1- an unber of NC contacts for auxillary contacts1- number of NC contacts for auxillary contacts1- number of NC contacts for auxillary contacts1- number of NC contacts for auxillary contacts0 al 24 V2A- al 120 V0.5 A- al 24 V0.5 A- al 24 V0.5 A- al 24 V0.5 A- al 60 V0.5 A- bits a faine detectionNo- bits a faine detectionYes- bits a faine detectionYes- bits a faine detection100 kA- al 4.0 V ratel value100 kA- al 4.00 V ratel value100 kA- al 4.00 V ratel value100 kA <tr< td=""><td>• at AC-3e</td><td></td></tr<>	• at AC-3e	
- al 500 V raide Vaule15 kW- al 600 V raide Vaule22 kWOperating frequency15 fh• al AC-3 maximum15 fh- al AC-3 maximum15 fhAutilary circuittensverseAutilary circuit1Autilary circuit1Autilary circuit1- al AC-3 maximum0.0operational current of auxiliary contacts1- ant AC 40.5 A- al AV0.5 A- al AV0.15 AProduct functionVes- al AV0.15 AProduct value0.15 AProduct value0.15 AProduct value100 VA- al AC 40 V rated value100 VA- al AC A 400 V rated value100 VA	— at 230 V rated value	0.6 kW
−	— at 400 V rated value	1.1 kW
operating frequency ist ACS maximum 15 1/h • at ACS maximum 15 1/h number of NG contacts for auxiliary contacts 1 number of NG contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • • at 20 V 0.5 A • at 212 V 0.5 A • at 22 V 0.5 A • at 22 V 0.5 A • at 60 V 0.15 A Protective and monitoring functions N • prize failure detection Yes trip class CLASS 10 design of the overload release thermai maximum short-fuculi current toraking capacity (tcu) 10 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 500 V rated value	1.5 kW
• el AC-3 maximum15 hn• al AC-3 e maximum15 hnAcuillary contactInnever of AC contacts for auxiliary contacts1number of NG contacts for auxiliary contacts1number of NG contacts for auxiliary contacts1number of NG contacts for auxiliary contacts0operational current of auxiliary contacts at AC-15-• al 24 V2A• al 25 V0.5 A• al 26 V0.5 A• al 27 V0.5 A• al 28 V0.15 APortectional current of auxiliary contacts at DC-13• al 28 V0.15 APortectiva and nonitoring functionsProduct function• ground faut detectionYes• ground faut detectionYes• fact 240 V rated value100 kA• al Color V rated value100 kA• al AC at 240 V rated value100 kA• al AC at 500 V rated value100 kA• al 40 V rated value100 kA• al 400 V rated value100 kA• al 400 V rated	— at 690 V rated value	2.2 kW
• el AC-3 maximum15 hn• al AC-3 e maximum15 hnAcuillary contactInnever of AC contacts for auxiliary contacts1number of NG contacts for auxiliary contacts1number of NG contacts for auxiliary contacts1number of NG contacts for auxiliary contacts0operational current of auxiliary contacts at AC-15-• al 24 V2A• al 25 V0.5 A• al 26 V0.5 A• al 27 V0.5 A• al 28 V0.15 APortectional current of auxiliary contacts at DC-13• al 28 V0.15 APortectiva and nonitoring functionsProduct function• ground faut detectionYes• ground faut detectionYes• fact 240 V rated value100 kA• al Color V rated value100 kA• al AC at 240 V rated value100 kA• al AC at 500 V rated value100 kA• al 40 V rated value100 kA• al 400 V rated value100 kA• al 400 V rated	operating frequency	
• at AC3e maximum15 1hAuxiliary circuittransversenumber of NC contacts for auxiliary contacts1number of NC contacts for auxiliary contacts0operational current of auxiliary contacts at AC-150• at 24 V2 A• at 24 V0.5 A• at 25 V0.5 A• at 24 V0.5 A• at 25 V0.5 A• at 26 V0.15 AProductional current of auxiliary contacts at DC-13• at 26 V0.15 AProductional functions• product function• product functional functiona		15 1/h
Auxiliary circuit Image of the auxiliary switch Image of the contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 0 • at 20 V 0.5 A • at 120 V 0.5 A • at 120 V 0.5 A • at 23 V 0.5 A • at 24 V 1.4 • at 25 V 0.5 A • at 26 V 0.5 A • at 26 V 0.5 A • at 60 V 0.5 A Protective and monitoring functions Protective and monitoring functions Protective and monitoring functions Yes if p class CLASS 10 design of the overload release thermal maximum short-ficult actreation 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 240 V rated value <td></td> <td></td>		
design of the auxiliary switch transverse number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 oparational current of auxiliary contacts 0 oparational current of auxiliary contacts at AC-15 2 A • at 120 V 0.5 A • at 230 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 Product function No • opticate for auxiliary contacts at DC-13 0.15 A Product function No • opticate for auxiliary contacts at DC-13 0.15 A Product function No • opticate for auxiliary contacts at DC-13 0.15 A Product function No • opticate for auxiliary capacity (locu) 0.15 A • at AC at 40 V rated value 100 kA • 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		
number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 opprational current of auxiliary contacts at AC-15 2A • at 24 V 0.5 A • at 125 V 0.5 A • at 22 V 0.5 A • at 23 V 0.5 A • at 23 V 0.5 A • at 24 V 1A • at 25 V 0.5 A • at 23 V 0.5 A • at 24 V 1A • at 24 V 1A • at 24 V 0.5 A • at 25 V 0.5 A • at 26 V 0.5 A • at 26 V 0.5 A • at 24 V 1A • at 24 V 1A • at 80 V 0.5 A Product function Ves • ground fault detection No • ground fault detection Ves thip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (lcu) 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 400 V rated value 100 kA • at 400 V rated value 100 kA		transverse
number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts at AC-15 0 • at 24 V 2A • at 120 V 0.5 A • at 120 V 0.5 A • at 23 V 0.5 A • at 24 V 1A • at 26 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 26 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 20 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 20 V 0.5 A operational current of auxiliary contacts at DC-13 • • at 20 V 0.5 A operational current of auxiliary contacts at DC-13 • • at AC at 20 V rated value 100 VA • at AC at 200 V rated value 100 VA • at AC at 200 V rated value 100 VA • at AC at 600 V rated value 100 VA • at 400 V rated value 100 VA <t< td=""><td></td><td></td></t<>		
number of CO contacts for auxiliary contacts at AC-15 0 operational current of auxiliary contacts at AC-15 2 A • at 120 V 0.5 A • at 230 V 0.5 A • at 24 V 1.4 • at 24 V 0.5 A • at 230 V 0.5 A • at 24 V 1.4 • at 24 V 1.4 • at 24 V 1.4 • at 60 V 0.15 A Protective and monitoring functions 0.15 A Protective and monitoring functions Ves rip 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 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 800 V rated value 100 kA • at AC at 800 V rated value 100 kA • at AC at 800 V rated value 100 kA • at AC at 800 V rated value 100 kA • at 600 V rated value 100 kA •		
operational current of auxiliary contacts at AC-15 2 A • at 120 V 0.5 A • at 120 V 0.5 A • at 120 V 0.5 A • at 230 V 0.5 A • at 24 V 1.A • at 24 V 1.A • at 24 V 0.5 A • at 25 V 0.5 A • at 26 V 0.15 A 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 200 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 240 V rated value 100 kA • at 600 V rated value 100 kA <		
• at 24 V2A• at 120 V0.5 A• at 123 V0.5 A• at 230 V0.5 A• at 24 V1A• at 24 V1A• at 60 V0.15 AProduct functionV• ground fault detectionYes• trip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)10 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value10 kA• at 240 V rated value10 kA• at 600 V rated value32 A• at 600 V rated value32 A• at 600 V rated value32 A• at 600 V rated value0.1 hp- at 200/200 V rated value0.1 hp- at 200/200 V rated value0.5 hp- at 200/200 V rated value0.5 hp- at 40/4040 V rated val		0
• at 120 V0.5 Å• at 125 V0.5 Å• at 230 V0.5 Å• at 230 V0.5 Å• at 230 V1 Å• at 24 V1 Å• at 60 V0.15 ÅProduct functionV• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kÅ• at AC at 240 V rated value100 kÅ• at AC at 240 V rated value100 kÅ• at AC at 500 V rated value100 kÅ• at AC at 680 V rated value100 kÅ• at AC at 680 V rated value100 kÅ• at AC at 400 V rated value100 kÅ• at AC at 400 V rated value100 kÅ• at 40 V rated value100 kÅ• at 40 V rated value100 kÅ• at 40 V rated value100 kÅ• at 400 V rated value32 Å• at 400 V rated value32 Å• at 400 V rated value32 Å• at 600 V rated value32 Å• at 400 V rated value0.1 hp- at 200/208 V rated value0.5 hp- at 200/208		2.4
• at 125 V 0.5 Å • at 230 V 0.5 Å operational current of auxiliary contacts at DC-13 1 Å • at 24 V 1 Å • at 60 V 0.15 Å Protective and monitoring functions product function • ground fault detection No • phase failure detection Yes • the overload release thermal maximum short-circuit current breaking capacity (icu) • at AC at 24 V rated value • 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 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 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 40 V rated value 100 kA • at 40 V rated value 100 kA • at 600 V rated value		
• at 230 ∨ 0.5 Å operational current of auxilliary contacts at DC-13 1A • at 24 ∨ 1A • at 80 ∨ 0.15 Å Protective and monitoring functions 0.15 Å product function No • phase failure detection Yes citig 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 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 900 V rated value 100 kA • at AC at 900 V rated value 100 kA • at AC at 900 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 0.0 kA • at 600 V rated value 0.0 kA • at 600 V rated value 0.0 kA • at 600 V rated		
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 No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (lcu) 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 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 500 V rated value 100 kA • at 600 V rated value 10 kA • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rat		
e at 24 V e at 60 V 0.15 A Protective and monitoring functions product function eground fault detection eground fault eground fault		0.5 A
• at 60 V 0.15 Å Protective and monitoring functions		
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 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 AO at 600 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 10 kA response value current (FLA) for 3-phase AC motor 42 A full-cod current (FLA) for 3-phase AC motor 3.2 A • at 4800 V rated value 3.2 A • at 480 V rated value 3.2 A • at 480 V rated value 0.1 hp - at 230 V rated value 0.5 hp <td></td> <td></td>		
product function No • 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 • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 680 V rated value 100 kA • at 420 V rated value 100 kA • at 400 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 400 V rated value 3.2 A • at 400 V rated value 3.2 A • at 400 V rated value 3.2 A • at 600 V rated value 3.2 A • at 400 V rated value 0.1 hp - at 200 V rated value 0.25 hp • for single-phase AC motor 0.25 hp - at 200 V rated value 0.5 hp - at 200 V rated value 0.5 hp - at 200 V rated value <	• at 60 V	0.15 A
• 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 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 500 V rated value 100 kA • at 400 V rated value 10 kA response value current of instantaneous short-circuit trip unit 42 A UL/CSA ratings	Protective and monitoring functions	
• 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 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 420 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 32 A ULCSA ratings ULCSA ratings full-load current (FLA) for 3-phase AC motor 32 A • at 800 V rated value 32 A yielded mechanical performance [hp] • at 100/120 V rated value • for 3-phase AC motor 0.1 hp - at 200/208 V ra	product function	
trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) i • 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 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 240 V rated value 100 kA • at 400 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 600 V rated value 3.2 A full-load current (FLA) for 3-phase AC motor 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 0.25 hp • for single-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 400/480 V rated value 2 hp	 ground fault detection 	No
design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA • at AC at 24 0V trated 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 90 V rated value 100 kA • at AC at 90 V rated value 10 kA operating short-circuit current breaking capacity (Ics) at AC • • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 3.2 A UL/CSA ratings	 phase failure detection 	Yes
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 400 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 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 42 A UL/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 3.2 A • at 480 V rated value 3.2 A • at 600 V rated value 0.1 hp - at 110/120 V rated value 0.1 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp	trip class	CLASS 10
• 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 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 42 A UL/CSA ratings Juli CSA ratings full-load current (FLA) for 3-phase AC motor 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 0.1 hp - at 10/r120 V rated value 0.25 hp - at 200/r208 V rated value 0.5 hp - at 200/r208 V rated value 0.5 hp - at 200/r208 V rated value 0.75 hp -	design of the overload release	thermal
• 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 10 kA operating short-circuit current breaking capacity (Ics) at AC - • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 42 A ULCSA ratings 42 A full-load current (FLA) for 3-phase AC motor 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 110/120 V rated value 0.1 hp - at 210/208 V rated value 0.25 hp • at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.75 hp <t< td=""><td>maximum short-circuit current breaking capacity (Icu)</td><td></td></t<>	maximum short-circuit current breaking capacity (Icu)	
• at AC at 500 V rated value100 kA• at AC at 690 V rated value10 kAoperating short-circuit current breaking capacity (lcs) at AC-• at 240 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AU/CSA ratings-full-load current (FLA) for 3-phase AC motor-• at 600 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.1 hp- at 220/230 V rated value0.5 hp- at 220/230 V rated value0.5 hp- at 460/480 V rated value0.75 hp- at 460/480 V rated value2 hp	 at AC at 240 V rated value 	100 kA
• at AC at 690 V rated value10 kAoperating short-circuit current breaking capacity (Ics) at AC0• at 240 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value10 kA• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AUL/CSA ratings3.2 Afull-load current (FLA) for 3-phase AC motor3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.25 hp• for single-phase AC motor at 200/208 V rated value0.5 hp- at 220/230 V rated value0.5 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp	 at AC at 400 V rated value 	100 kA
operating short-circuit current breaking capacity (Ics) at AC• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AULCSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 480 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.25 hp• for 3-phase AC motor at 200/208 V rated value0.5 hp- at 200/208 V rated value0.75 hp- at 460/480 V rated value2 hp	• at AC at 500 V rated value	100 kA
• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor at 200/208 V rated value0.5 hp- at 200/208 V rated value0.75 hp- at 460/480 V rated value2 hp	 at AC at 690 V rated value 	10 kA
• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor at 200/208 V rated value0.5 hp- at 200/208 V rated value0.75 hp- at 460/480 V rated value2 hp	operating short-circuit current breaking capacity (lcs) at AC	
• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor at 200/208 V rated value0.5 hp- at 200/208 V rated value0.75 hp- at 460/480 V rated value2 hp	operating short-encoul current preaking capacity (ics) at AC	
• at 500 V rated value100 kA• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 600 V rated value3.2 A• at 600 V rated value0.1 hp- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor0.5 hp- at 200/208 V rated value0.5 hp- at 460/480 V rated value0.75 hp- at 460/480 V rated value2 hp		100 kA
• at 690 V rated value10 kAresponse value current of instantaneous short-circuit trip unit42 AUL/CSA ratings3.2 Afull-load current (FLA) for 3-phase AC motor3.2 A• at 480 V rated value3.2 A• at 600 V rated value0.2 Ayielded mechanical performance [hp]0.1 hp• for single-phase AC motor0.1 hp- at 110/120 V rated value0.25 hp• for 3-phase AC motor0.5 hp- at 200/208 V rated value0.5 hp- at 220/230 V rated value0.75 hp- at 60/480 V rated value2 hp	• at 240 V rated value	
response value current of instantaneous short-circuit trip unit42 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 600 V rated value3.2 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor- at 200/208 V rated value0.5 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp	at 240 V rated valueat 400 V rated value	100 kA
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A yielded mechanical performance [hp] • • for single-phase AC motor 0.1 hp - at 110/120 V rated value 0.25 hp • for 3-phase AC motor 0.25 hp • for 3-phase AC motor 0.5 hp - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 575/600 V rated value 2 hp	 at 240 V rated value at 400 V rated value at 500 V rated value 	100 kA 100 kA
full-load current (FLA) for 3-phase AC motor• at 480 V rated value3.2 A• at 600 V rated value3.2 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor- at 200/208 V rated value0.5 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp	 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 	100 kA 100 kA 10 kA
• at 480 V rated value 3.2 A • at 600 V rated value 3.2 A yielded mechanical performance [hp] 3.2 A • for single-phase AC motor 0.1 hp - at 110/120 V rated value 0.1 hp - at 230 V rated value 0.25 hp • for 3-phase AC motor - - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp	 at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit 	100 kA 100 kA 10 kA
• at 600 V rated value 3.2 A yielded mechanical performance [hp]	at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings	100 kA 100 kA 10 kA
yielded mechanical performance [hp]• for single-phase AC motor0.1 hp- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp• for 3-phase AC motor at 200/208 V rated value0.5 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value2 hp	at 240 V rated value at 400 V rated value at 500 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	100 kA 100 kA 10 kA 42 A
 for single-phase AC motor at 110/120 V rated value 0.1 hp at 230 V rated value 0.25 hp for 3-phase AC motor at 200/208 V rated value 0.5 hp at 220/230 V rated value 0.75 hp at 460/480 V rated value 2 hp at 575/600 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 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	100 kA 100 kA 10 kA 42 A 3.2 A
	 at 240 V rated value at 400 V rated value at 500 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 	100 kA 100 kA 10 kA 42 A 3.2 A
	 at 240 V rated value at 400 V rated value at 500 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 at 600 V rated value yielded mechanical performance [hp] 	100 kA 100 kA 10 kA 42 A 3.2 A
• for 3-phase AC motor 0.5 hp - at 220/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 575/600 V rated value 2 hp	 at 240 V rated value at 400 V rated value at 500 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 at 600 V rated value for single-phase AC motor 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A
	 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 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 0.1 hp
	 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 yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 0.1 hp
	 at 240 V rated value at 400 V rated value at 500 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 at 600 V rated value for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 3.2 A 0.1 hp 0.25 hp
- at 575/600 V rated value 2 hp	 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 at 600 V rated value for single-phase AC motor at 10/120 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 0.1 hp 0.25 hp 0.5 hp
	 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 yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 0.1 hp 0.25 hp 0.5 hp 0.75 hp
contact rating of auxiliary contacts according to UL C300 / R300	 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 at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 0.1 hp 0.25 hp 0.75 hp 2 hp
	 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 at 600 V rated value for single-phase AC motor at 110/120 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value 	100 kA 100 kA 10 kA 42 A 3.2 A 3.2 A 0.1 hp 0.25 hp 0.5 hp 0.75 hp 2 hp 2 hp

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 gL/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 protection of the main circuit	
• at 400 V	gL/gG 25 A
• at 500 V	gL/gG 32 A
• at 690 V	gL/gG 25 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
 with side-by-side mounting at the side 	0 mm
 for grounded parts at 400 V 	
- downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	20 mm
— downwards	30 mm
— upwards — at the side	30 mm 9 mm
 for grounded parts at 690 V 	91111
 or grounded parts at 050 v — downwards 	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
- downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 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 (0,75 2,5 mm²), 2x 4 mm²
 finely stranded with core end processing 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)
for AWG cables for main contacts	2x (18 14), 2x 12
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)

-	nded with core end proces	ssing		1.5 mm²), 2x (0.75	2.5 mm²)	
	s for auxiliary contacts		2x (20 1	6), 2x (18 14)		
tightening torque						
	ts with screw-type termina		0.8 1.2 N·m			
for auxiliary contacts with screw-type terminals design of screwdriver shaft		0.8 1.2				
size of the screwdriver shaft		Diameter 5 to 6 mm				
	-		Pozidriv si	ze z		
-	of the connection screw	/	MO			
 for main contacts of the auxiliary and control contacts 			M3			
• Of the auxiliary a			M3	_		
			_			
B10 value	nd rate according to CN 2	1020	5 000			
proportion of danger	nd rate according to SN 3	1920	5 000			
	id rate according to SN 31	920	50 %			
	nd rate according to SN 3		50 %			
failure rate [FIT]		1020	00 /0			
	d rate according to SN 31	920	50 FIT			
	interval or service life acc		10 a			
61508			10 u			
protection class IP o	on the front according to	IEC 60529	IP20			
touch protection on	the front according to IE	C 60529	finger-safe	, for vertical contact f	rom the front	
display version for swi	itching status		Handle			
Certificates/ approvals	3					
General Product Ap	proval					For use in hazard- ous locations
ccc		UL				ATEX
For use in hazard- ous locations	Declaration of Confo	ormity	Те	st Certificates		Marine / Shipping
	Declaration of Confe UK	ormity CE EG-Konf.		st Certificates ecial Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	Marine / Shipping
ous locations		(€		ecial Test Certific-		
OUS locations		(€		ecial Test Certific-		ABS
OUS locations	UK CA	EG-Konf.		ecial Test Certific-		ABS
ous locations	UK CA	EG-Konf.	Sp	ecial Test Certific-		ABS
ous locations	Kailway Confirmation d to exit the Russian ma com/global/en/pressreleas on the renewal of the cu	Lis Vibration and S Vibration and S rket (see here). se/siemens-wind-do rrent EAC certifica status of validity of EAEU member sta	Shock	ecial Test Certific- ate		other Confirmation

https://www.siemens.com/ic10

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-1DA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1DA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1DA15

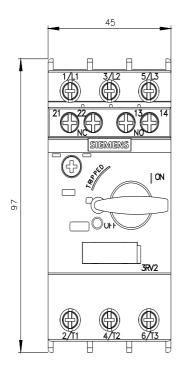
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

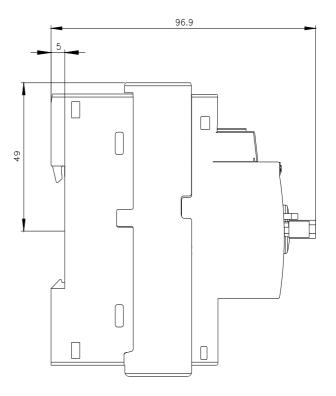
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1DA15&lang=en

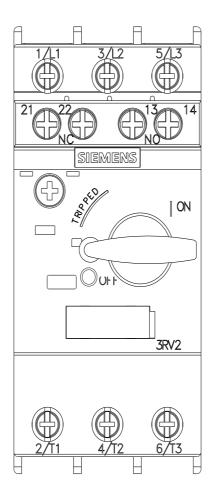
Characteristic: Tripping characteristics, I²t, Let-through current

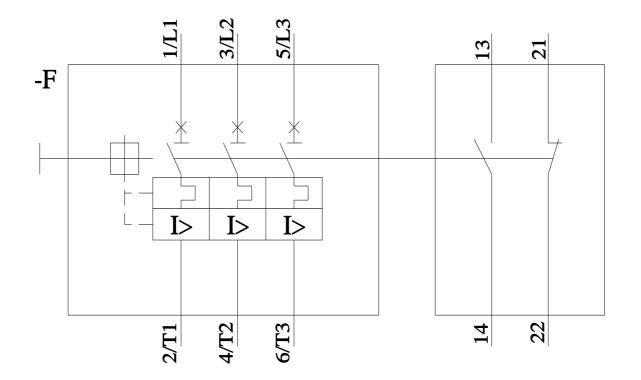
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1DA15/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1DA15&objecttype=14&gridview=view1









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