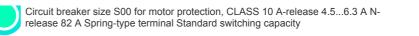
SIEMENS

Data sheet

3RV2011-1GA20





the los be	
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 	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
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.373 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

Type of voltage for main current circuit AC/DC operating voltage 00 V • at AC-3 rated value maximum 600 V • at AC-3 rated value maximum 600 V • at AC-3 rated value maximum 600 V operating frequency rated value 60. A operating requency rated value 63.A operating requency 63.A operating requency 63.A operating requency 63.A operating requency 63.A - at 230 V rated value 15.KW - at 630 V rated value 15.KW - at 230 V rated value 3.KV - at 230 V rated value 3.KW - at 230 V rated value 3.KW - at 630 V rated value 3.KW - at 630 V rated value 3.KW	adjustable current response value current of the current-	4.5 6.3 A
operating voltage	dependent overload release	
• rated value20 690 V• at AC3 rated value maximum690 Voperating frequency rated value690 Voperating frequency rated value63. Aoperating at 400 V rated value6.3. Aoperating power6.3. A• at AC3 at 400 V rated value6.3. Aoperating power6.3. A• at AC3 at 400 V rated value1.5. KW- at 230 V rated value1.5. KW- at 400 V rated value4. KV- at 600 V rated value1.5. KW- at 600 V rated value1.5. KW- at 600 V rated value4. KV- at 600 V rated value1.5. KW- at 600 V rated value2.2. kW- at 600 V rated value4. KV• at AC3 maximum1.5. KW- at 600 V rated value3. kW- at 600 V rated value4. KW• at AC3 maximum15. f/h• at AC3 maximum0.• at AC3 maximum0.• at AC3 maximum0.• at AC3 maximum0.• at AC3 maximum and control circuit0.• at AC3 maximum and control circuit100 kA• at AC3 ta 600 V rated value100 kA• at AC3 ta 600 V rated value <td< td=""><td></td><td></td></td<>		
at AC-3 rated value maximum690 Vet AC-3e rated value maximum690 Voperating fequency rated value690 Voperational current rated value6.3 Aoperating active value6.3 Aoperating power6.3 Aet AC-3 at 400 V rated value6.3 Aoperating power2.2 kW- at 230 V rated value3 kW- at 400 V rated value3 kW- at 600 V rated value10 kA- at 600 V rated value0- at 600 V rated value100 kA- at 600 V rated value100 kA- at 600 V rated value100 kA- at 600 V rated value100 kA		
• at AC-3e rated value maximum690 Voperational current rated value6.3 A• at AC-3 at 400 V rated value1.5 kW- at 230 V rated value1.5 kW- at 230 V rated value3 kW• at AC-33 kW• at AC-3 rate value4 kW• at AC-3 rate value4 kW• at AC-3 rate value4 kW• at 630 V rated value3 kW- at 630 V rated value4 kW• at 630 V rated value15 1/h• at 630 V rated value0• at 643 per suxtiliary contacts0• at 643 per suxtiliary and control circuitConcortacts for auxiliary contacts• or or or fand fail defectionNo• or or or fail defectionNo• or or or fail defectionNo• or or or fail defectionNo• or or or fail defect		
operating frequency rated value50 60 Hzoperational current rated value6.3 Aoperational current6.3 A• at AC-3 at 400 V rated value6.3 A• at AC-3 at 400 V rated value6.3 A• at AC-36.3 A- at 230 V rated value7.5 AV- at 200 V rated value2.2 kW- at 600 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value3 kW- at 600 V rated value1.5 kW- at 600 V rated value3 kW- at 600 V rated value15 l/htype of volteg for auxiliary contacts0number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0number of CC contacts for auxiliary contacts0product functionYes• pipase failure detectionYes• at AC 3 ta 00 V rated value100 kA• at AC 3 ta 00 V rated value100 kA• at AC at 600 V rated value6 kA		
operational current rated value6.3 Aoperational current6.3 Aot AC-3 at 400 V rated value6.3 Aot AC-3 at 400 V rated value6.3 Aot AC-3- at 230 V rated value- at 230 V rated value1.5 kW- at 200 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value2.2 kW- at 230 V rated value4 kW• at AC-3- at 600 V rated value- at 600 V rated value2.2 kW- at 600 V rated value2.2 kW- at 600 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value4 kW• at AC-3 maximum15 th- at 600 V rated value3 kW- at 600 V rated value3 kW- at 600 V rated value4 kW• at AC-3 maximum15 th• at AC-3 maximum0• at AC-3 maximum0• at AC-3 maximum0• at AC-3 maximum15 th• at AC-3 taw10 th• at AC-3 taw <td></td> <td></td>		
operational current6.3 A• at AC-3 at 400 V rated value6.3 A• at AC-36.3 Aoperating power6.3 A• at AC-3-• at AC-3 at 230 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value4 kW• at AC-3a at 230 V rated value1.5 kW- at 230 V rated value2.2 kW- at 600 V rated value2.2 kW- at 600 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value3 kW- at 800 V rated value3 kW- at AC-3 maximum15 1/htatAC-3 maximum15 1/hAtklary circuit0Type of voltage for auxiliary contacts0number of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0• product functionYes• product functionYes• product function100 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value6 kA• at AC at 400 V rated value6 kA• at AC at 400 V rated value6 kA• at 240 V rated value6 kA• at 240 V rated		
• at AC-3 at 400 V rated value6.3 A• at AC-3 et 400 V rated value6.3 A• at AC-3· · · · · · · · · · · · · · · · · · ·	•	
• at AC-3e at 400 V rated value6.3 Aoperating power • at AC-3 at 230 V rated value1.5 kW- at 400 V rated value2.2 kW- at 500 V rated value3 kW- at 690 V rated value4 kW• at AC-3e at 600 V rated value2.2 kW- at 600 V rated value4 kW- at 600 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value2.1 kW- at 600 V rated value15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum0• at AC-3 for auxiliary contacts0• number of NC contacts for auxiliary contacts0• number of CC contacts for auxiliary contacts0• gound faut detectionYes• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at 400 V rated value <t< td=""><td>-</td><td>634</td></t<>	-	634
operating power at AC-3 at 320 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value at 800 V rated value		
• at AC-3 at 230 V rated value1.5 kW- at 600 V rated value3 kW- at 600 V rated value3 kW- at 600 V rated value4 kW• at AC-3e at 230 V rated value1.5 kW- at 600 V rated value2.2 kw- at 600 V rated value3 kW- at 600 V rated value3 kW- at 600 V rated value3 kW- at 600 V rated value4 kWoperating frequency4 kW• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum0• at AC-3 to auxiliary contacts0• number of NC contacts for auxiliary contacts0• number of CO contacts for auxiliary contacts0• argound fault detectionNo• ground fault detectionVes• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 600 V rated value100 kA <td></td> <td></td>		
at 500 V rated value3 kW at 680 V rated value4 kW• at AC-3e at 230 V rated value1.5 kW at 400 V rated value2.2 kW at 630 V rated value3 kW at 630 V rated value3 kW at 630 V rated value3 kW at 630 V rated value15 t/h at 630 V rated value15 t/h at 630 V rated value15 t/h at 630 V rated value0 at 630 V rated value100 kA <tr< td=""><td>— at 230 V rated value</td><td>1.5 kW</td></tr<>	— at 230 V rated value	1.5 kW
- at 680 V rated value4 kW• at AC-3e at 230 V rated value1.5 kW- at 400 V rated value22 kW- at 690 V rated value3 kW- at 690 V rated value4 kWoperating frequency-• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum0• at AC-3 maximum control circuitAC/DC• number of NC contacts for auxiliary contacts0• number of NO contacts for auxiliary contacts0• at AC at 400 v rated value0• at AC at 400 v rated valueNo• at AC at 400 v rated value100 kA• at AC at 400 v rated value100 kA• at AC at 400 v rated value100 kA• at AC at 500 v rated value100 kA• at AC 40 value value100 kA• at 600 v rated value100 kA• at 600 v rated value <t< td=""><td>— at 400 V rated value</td><td>2.2 kW</td></t<>	— at 400 V rated value	2.2 kW
• at AC-3e- at 230 V rated value1.5 kW- at 400 V rated value2.2 kW- at 600 V rated value3 kW- at 600 V rated value4 kWoperating frequency4 kW• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3e maximum15 1/h• at AC-3e maximum5 1/h• at AC-3e maximum0• at AC-3e ontacts for auxiliary contacts0• at AC-3e ontacts for auxiliary contacts0• at AC-3 for auxiliary contacts0• at AC-3e for auxiliary contacts100 kA• at AC-3e for auxiliary contacts100 kA• at AC-3e for auxiliary con	— at 500 V rated value	3 kW
at 230 V rated value1.5 kW at 400 V rated value2.2 kW at 600 V rated value3 kW at 600 V rated value3 kW at 600 V rated value4 kWoperating frequency	— at 690 V rated value	4 kW
at 400 V rated value2.2 kW at 500 V rated value3 kW at 690 V rated value4 kWoperating frequency4 kW• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 maximum0• at AC-3 taxiliary contacts0• number of NC contacts for auxiliary contacts0• number of CO contacts for auxiliary contacts0• product functionVes• ground fault detectionNo• ground fault detectionVes• trip class0• design of the overload releasethermalmaximum short-circuit current breaking capacity (lou)100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 600 V rated value6 kA• at AC at 600 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 600 V rated value100 kA• at AC at 600 V rated value100 kA• at AC at 600 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value4 kA <tr< td=""><td>● at AC-3e</td><td></td></tr<>	● at AC-3e	
- at 500 V rated value3 kW- at 690 V rated value4 kWoperating frequencyV• at AC-3 maximum15 1/h• at AC-3 maximum15 1/h• at AC-3 e maximum15 1/h• at AC-3 e maximum15 1/h• at AC-3 e maximum0• at AC-3 e maximum contacts for auxiliary contacts0• number of NC contacts for auxiliary contacts0• number of CC contacts for auxiliary contacts0• product functionVes• e ground fault detectionNo• ground fault detectionVes• trip classCLASS 10• design of the overload releasethermal• at AC at 2400 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 690 V rated value6 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value4 kA• at 600 V rated value4 kA<	— at 230 V rated value	1.5 kW
	— at 400 V rated value	2.2 kW
operating frequencyIs 1/h• at AC-3 maximum15 1/h• at AC-3e maximum15 1/hAuxiliary circuitIs 1/htype of voltage for auxiliary and control circuitAC/DCnumber of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protective and monitoring functions0Protective and monitoring functionsVeseiground fault detectionNo• ground fault detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 200 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at 4C0 trated value100 kA• at 600 V rated value<	— at 500 V rated value	3 kW
• at AC-3 maximum15 1/h• at AC-3e maximum15 1/hAuxiliary circuit15 1/hAuxiliary circuitAC/DCnumber of NC contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protective and monitoring functions0product functionVes• ground fault detectionYes• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at 4C ot 500 V rated value100 kA• at 4C ot 400 V rated value100 kA• at 600 V rated value	— at 690 V rated value	4 kW
• at AC-3e maximum15 1/hAuxiliary circuitAC/DCnumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protective and monitoring functions0product functionVesof ground fault detectionVestrip classCLASS 10design of the overload releasethomaimaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at 4C0 V rated value100 kA• at 4C0 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 260 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value	operating frequency	
Auxiliary circuit AC/DC number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 erground fault detection 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 690 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 600	• at AC-3 maximum	15 1/h
type of voltage for auxiliary and control circuitAC/DCnumber of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protective and monitoring functions0product functionves• ground fault detectionNo• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value6 kAoperating short-circuit current breaking capacity (Ics) at AC• at AC at 690 V rated value100 kA• at AC at 600 V rated value4 kAresponse value current of instantaneous short-circuit trip unit82 A	• at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protective and monitoring functions0product functionNo• ground fault detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 600 V rated value100 kA• at 600 V rated value100 kA	Auxiliary circuit	
number of NO contacts for auxiliary contacts0number of CO contacts for auxiliary contacts0Protective and monitoring functions0Protective and monitoring functionsNoproduct functionNo• ground fault detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 600 V rated value100 kA <th< td=""><td>type of voltage for auxiliary and control circuit</td><td>AC/DC</td></th<>	type of voltage for auxiliary and control circuit	AC/DC
number of CO contacts for auxiliary contacts 0 Protective and monitoring functions product function No e ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA e at AC at 240 V rated value 100 kA e at AC at 500 V rated value 100 kA e at AC at 690 V rated value 100 kA e at AC at 690 V rated value 100 kA e at AC at 690 V rated value 100 kA e at AC at 690 V rated value 100 kA e at AC at 690 V rated value 100 kA e at 240 V rated value 100 kA e at 690 V rated value 100 kA e at 600 V rated value 100 kA e at 690 V rated value 100 kA	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions product function • ground fault detection • phase failure detection Yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 240 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 240 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 600 V rated value	number of NO contacts for auxiliary contacts	0
product functionNo• ground fault detectionNo• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value6 kAoperating short-circuit current breaking capacity (Ics) at AC• at 240 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 690 V rated value4 kA• at 690 V rated value62 A		0
• ground fault detectionNo• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 3500 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value100 kA	Protective and monitoring functions	
• phase failure detectionYestrip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 690 V rated value82 A	-	
trip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kA• at 240 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 690 V rated value100 kA		
design of the overload releasethermalmaximum short-circuit current breaking capacity (lcu)thermal• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 690 V rated value82 A		
maximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value6 kA• at AC at 690 V rated value6 kA• at 240 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit82 A	•	
• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value100 kA• at 690 V rated value82 A		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 6 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 240 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 82 A		
• at AC at 500 V rated value 100 kA • at AC at 690 V rated value 6 kA operating short-circuit current breaking capacity (Ics) at AC		
• at AC at 690 V rated value6 kAoperating short-circuit current breaking capacity (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit82 A		
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 value4 kAresponse value current of instantaneous short-circuit trip unit82 A		
• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value4 kAresponse value current of instantaneous short-circuit trip unit82 A		
at 400 V rated value at 500 V rated value at 690 V rated v		100 kA
at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit 82 A		
at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A		
response value current of instantaneous short-circuit trip unit 82 A		
	JL/CSA ratings	
full-load current (FLA) for 3-phase AC motor		
• at 480 V rated value 6.3 A		6.3 A
• at 600 V rated value 6.3 A		
yielded mechanical performance [hp]		
• for single-phase AC motor		
— at 110/120 V rated value 0.25 hp		0.25 hp
— at 230 V rated value 0.5 hp		
• for 3-phase AC motor		
— at 200/208 V rated value 1 hp		1 hp
— at 220/230 V rated value 1.5 hp		
— at 460/480 V rated value 3 hp	— at 220/230 V rated value	1.5 hp
— at 575/600 V rated value 5 hp		

Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 400 V	gL/gG 50 A
● at 500 V	gL/gG 40 A
● at 690 V	gL/gG 35 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	106 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 	30 mm
— downwards	30 mm
— upwards — at the side	9 mm
 for live parts at 400 V 	
 Ion nive 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	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 690 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 	spring-loaded terminals
or main current circuit 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)
— finely stranded with core end processing	2x (0.5 2.5 mm ²)
- finely stranded without core end processing	2x (0.5 2.5 mm ²)
for AWG cables for main contacts	2x (20 12)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
Safety related data	
product function suitable for safety function	Yes
suitability for use	
 safety-related switching on 	No

 safety-related sw 	itching OFF		Yes		
service life maximum		10 a			
test wear-related service life necessary			Yes		
proportion of dangerous failureswith low demand rate according to SN 31920		220	40.0/		
			40 %		
	I rate according to SN 31		50 %		
	emand rate according to		5 000		
31920	ow demand rate accord	ling to SN	50 FIT		
ISO 13849					
device type according			3		
overdimensioning acc IEC 61508	ording to ISO 13849-2 I	necessary	Yes		
safety device type acc	ording to IEC 61508-2		Туре А		
T1 value • for proof test inte 61508	rval or service life accord	ling to IEC	10 a		
Electrical Safety					
	the front according to	IEC 60529	IP20		
	e front according to IE		finger-safe, for vertical con	act from the front	
Display					
display version for swite	hing status		Handle		
Approvals Certificates					
General Product App	oval				
			-	KC	
	CE EG-Konf.	UK CA	(ĥľ)		EHC
General Product Ap- proval	For use in hazardous	locations	Test Certificates		Marine / Shipping
BIS CRS			Special Test Certifi	<u>c- Type Test Certific-</u>	CON DA
	K ATEX	IECEX	ate	ates/Test Report	ABS
Marine / Shipping					other
BUREAU VERITAS		Lloyd's Register urs	PRS	RINA	<u>Miscellaneous</u>
other		Railway		Environment	
	_				
<u>Confirmation</u>	VDE	<u>Special Test Cert</u> <u>ate</u>	ific- <u>Confirmation</u>	EPD	Siemens EcoTech
Environment					
Environmental Con- firmations					
Further information					

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=3RV2011-1GA20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1GA20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1GA20

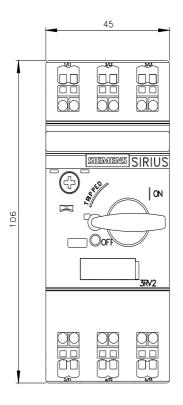
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1GA20&lang=en

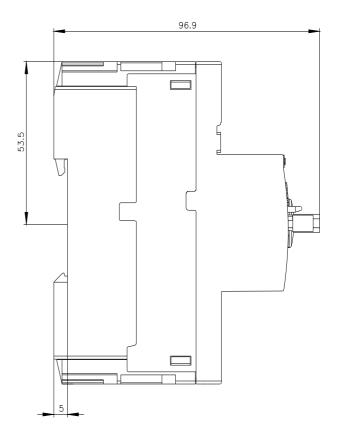
Characteristic: Tripping characteristics, I²t, Let-through current

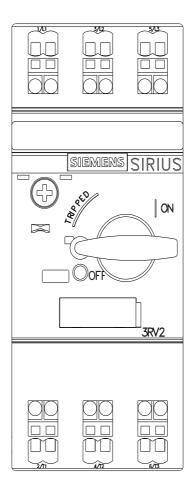
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1GA20/char

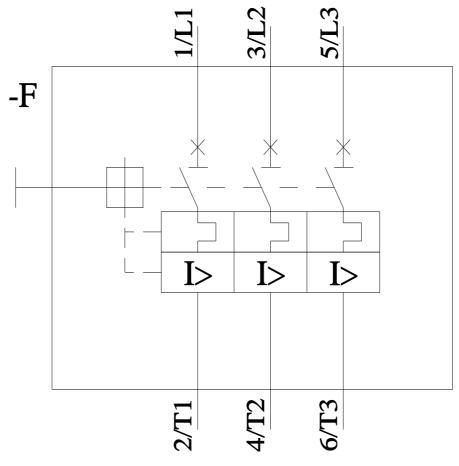
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1GA20&objecttype=14&gridview=view1









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