SIEMENS

Data sheet

3RV2011-0GA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.45...0.63 A N-release 8.2 A screw terminal Standard switching capacity

4/12 6/13	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.5 W
 at AC in hot operating state per pole 	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
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	0.45 0.63 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	0.63 A
operational current	
• at AC-3 at 400 V rated value	0.63 A

operating power at 200 V rated value at 200 V rated value at 200 V rated value bt NW bt NW	operating power at AC3 - at 230 V rated value 0.1 kW - at 300 V rated value 0.1 kW - at 600 V rated value 0.3 kW - at 600 V rated value 0.3 kW - at 230 V rated value 0.1 kW - at 300 V rated value 0.3 kW - at 600 V rated value 0.1 kW - at 600 V rated value 0.1 kW - at 600 V rated value 0.3 kW operating frequency 0.1 kW - at 600 V rated value 0.3 kW operating frequency 0.1 kW - at 600 V rated value 0.3 kW operating frequency 0.1 kW - at 600 V rated value 0.3 kW operating frequency 0.1 kW - at AC 3e maximum 15 t/h - at AC 3 maximum 15 t/h - number of KC contacts for auxiliary contacts 0 - product function 0 - product function 0 - ground fault detection No • end AC 3 to 20 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 600 V rated value 10	
• af AC3• af A230 V ride value0 1 WW• af 800 V ride value0 2 WV• af 800 V ride value0 2 WV• af 800 V ride value0 3 WV• af 420 V ride value0 3 WV• af 420 V ride value0 2 WV• af 400 V ride value0 3 WV• af 400 V ride value0 0• af 400 V ride value0• af 400 V ride value100 IA• af 400 V ride value100 IA <td< td=""><td></td><td>00 V rated value 0.63 A</td></td<>		00 V rated value 0.63 A
at 230 V radio value 0.1 WV at 600 V radio value 0.2 kW at 600 V radio value 0.3 kW at 600 V radio value 0.3 kW at 230 V radio value 0.1 kW at 230 V radio value 0.2 kW at 300 V radio value 0.3 kW	- at 230 V rated value 0.1 kW - at 200 V rated value 0.2 kW - at 600 V rated value 0.3 kW • at AC-3e 0.1 kW - at 230 V rated value 0.1 kW - at 200 V rated value 0.1 kW - at 200 V rated value 0.1 kW - at 600 V rated value 0.2 kW - at 600 V rated value 0.2 kW - at 600 V rated value 0.3 kW oporating frequency • 1 kF.W • at AC-3e maximum 15 1/h • at AC-3 at auxiliary contacts 0 • number of NC contacts for auxiliary contacts 0 • of CO contacts for auxiliary contacts 0 • frideas CLASS 10 design of the overload release thermat maximum short-icruit auriter breaking capacity (Icu) • at AC at 800 V rated value • at AC at 400 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 0.63 A<	
- af 400 V rades value0.18 kW- af 500 V rades value0.3 kW- af 400 V rades value0.1 kW- af 400 V rades value0.1 kW- af 400 V rades value0.1 kW- af 400 V rades value0.2 kW- af 400 V rades value0.1 kW- af 400 V rades value100 kA- af 400 V rades value000 kA- af 400 V rades value000 kA <t< td=""><td>- at 400 V rated value 0.18 kW - at 500 V rated value 0.2 kW • at AC-3e - at 230 V rated value 0.3 kW - at 400 V rated value 0.18 kW - at 400 V rated value 0.18 kW - at 500 V rated value 0.2 kW • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h</td><td></td></t<>	- at 400 V rated value 0.18 kW - at 500 V rated value 0.2 kW • at AC-3e - at 230 V rated value 0.3 kW - at 400 V rated value 0.18 kW - at 400 V rated value 0.18 kW - at 500 V rated value 0.2 kW • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h	
- at S00 V rades value 0.2 kW - at S00 V rades value 0.3 kW - at S00 V rades value 0.1 kW - at S00 V rades value 0.1 kW - at S00 V rades value 0.2 kW - at S00 V rades value 0.3 kW - at S00 V rades value 0.4 kW - at S00 V rades value 0.3 kW - at S00 V rades value 100 kA - at AC at S00 V rades value 100 kA - at AC at S00 V rades value 100 kA - at AC at S00 V rade value 100 kA - at AC at S00 V rades value 100 kA - at AC at S00 V rades value 0.5 A - at AC at S	- at 500 V rated value 0.2 kW - at 600 V rated value 0.3 kW - at 230 V rated value 0.1 kW - at 400 V rated value 0.2 kW - at 600 V rated value 0.2 kW - at 600 V rated value 0.3 kW operating frequency • at AC-3 e maximum 15 1.h • at AC-3 to auxiliary contacts 0 • mumber of NC contacts for auxiliary contacts 0 • mumber of CC contacts for auxiliary contacts 0 • rotective and monitoring functions • phase failure detection Yes • trip class CLASS 10 design of the overload release III hermail maximum short-circuit current breaking capacity (lcu) • 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 600 V rated value 100 kA • at 4C ot for V rated value 100 kA • at 4C ot 70 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 0.63 A • at 600 V rated value 0.6	/ rated value 0.1 kW
- af 600 V rade value 0.3 kW • al 420 V fade value 0.1 kW - al 400 V rade value 0.1 kW - al 400 V rade value 0.3 kW - al 600 V rade value 0.1 kW - al 600 V rade value 100 kA - al 600 V rade value 100 kA <t< td=""><td></td><td>/ rated value 0.18 kW</td></t<>		/ rated value 0.18 kW
+ at AC3s 0.1 kW - at 230 V rated value 0.1 kW - at 600 V rated value 0.2 kW - at 600 V rated value 0.3 kW operating frequency 0.1 km - at 600 V rated value 0.3 kW operating frequency 0.1 km - at 600 V rated value 0.3 kW operating frequency 0.1 km - at 600 V rated value 0.3 kW operating frequency 0.1 km - at 600 V rated value 0.1 km - at AC-38 maximum 15 1 h - at 600 V rated value 0.1 km - at 600 V rated value 0.1 km - at 600 Contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - number of NC contacts for auxiliary contacts 0 - operating atoricited for auxiliary contacts 0 - at 600 V rated value 100 kA - at 600 V rated value 100 kA - at Ca 1600 V rated value 100 kA<	• at AC-3e 0.1 KW	/ rated value 0.2 kW
		/ rated value 0.3 kW
- at 400 Y rated value 0.48 kW - at 500 Y rated value 0.2 kW - at 500 Y rated value 0.3 kW operating frequency if A /A maximum • at A /A maximum 15 1/h • at A /A maximum 15 1/h • at A /A maximum 0 • at A /A dat for auxiliary contacts 0 • at A /A dat for auxiliary contacts 0 • at C /A	at 400 V rated value 0.18 kW at 600 V rated value 0.2 kW operating frequency 0.18 kW • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h • at AC-3 maximum 0 • at AC-3 maximum 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 • riprotective and monitoring functions 0 product function No • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (leu) at AC at 240 V rated value • 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 400 V rated value 100 kA • at 600 V rated value 0.63 A • at 600 V ra	
	at 500 V rated value 0.2 kW at 600 V rated value 0.3 kW operating frequency 15 1/h • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h Availary circuit 0 number of NC contacts for auxiliary contacts 0 • O 0 number of NC contacts for auxiliary contacts 0 • O 0 rumber of NC contacts for auxiliary contacts 0 • O 0 • origoin fault detection No • phase falue 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 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 60 V rated value 100 kA • at 600 V rated value 100 kA	/ rated value 0.1 kW
		/ rated value 0.18 kW
operating frequency 15 f.h • at AC3 maximum 0 • unmber of NC contacts for auxiliary contacts 0 • unmber of AC contacts for auxiliary contacts 0 • orgonal fault detection Yes • orgonal fault detection Yes • orgonal fault detection Yes • at AC3 faults data 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 00 kA • at 400 V rated value 00 kA	eit AC-3 maximum 15 1/h eit AC-3 maximum 15 1/h Auxiliary circuit 15 1/h number of NC contacts for auxiliary contacts 0 • 0 number of NC contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function No • phase failure detection Yes trip class CLASS 10 design of the overload release Ihermal maximum short-ficule current breaking capacity (Icu) • • at AC at 240 V rated value 100 IA • at AC at 400 V rated value 100 IA • at AC at 400 V rated value 100 IA • at AC at 600 V rated value 100 IA • at AC at 600 V rated value 100 IA • at 420 V rated value 00 IA • at 620 V rated value 0.63 A • at 63	/ rated value 0.2 kW
• et AC-3 maximum 15 th • AC-36 maximum 15 th • AC-36 maximum 15 th Axullary contacts 0 number of NC contacts for auxiliary contacts 0 • O 0 number of NC contacts for auxiliary contacts 0 • O 0 number of CO contacts for auxiliary contacts 0 • orgound fault detection 0 • orgound fault detection No • orgound fault detection Yes • orgound fault detection Yes • orgound fault detection No • orgound fault detection No • orgound fault detection Yes • orgound fault detection Yes • orgound fault detection No • orgound fault detection No • orgound fault detection Yes • orgound fault detection No • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 0.63 A <t< td=""><td>• at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h Axiillary cloait 0 number of NC contacts for auxiliary contacts 0 • 0 number of NO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 • 0 product function 0 • 0 • 0 • 0 • 0 product function No • rip class • CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (lcu) • • at AC at 400 V rated value 100 kA • at AC at 560 V rated value 100 kA • at AC at 60 V rated value 100 kA • at 40 V rated value 100 kA • at 40 V rated value 100 kA • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value<td>/ rated value 0.3 kW</td></td></t<>	• at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h Axiillary cloait 0 number of NC contacts for auxiliary contacts 0 • 0 number of NO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 • 0 product function 0 • 0 • 0 • 0 • 0 product function No • rip class • CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (lcu) • • at AC at 400 V rated value 100 kA • at AC at 560 V rated value 100 kA • at AC at 60 V rated value 100 kA • at 40 V rated value 100 kA • at 40 V rated value 100 kA • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value <td>/ rated value 0.3 kW</td>	/ rated value 0.3 kW
+ at AC-3e maximum 15 1/h Auxiliary circuit - - • 0 number of NC contacts for auxiliary contacts 0 - • 0 number of NC contacts for auxiliary contacts 0 - • 0 number of NO contacts for auxiliary contacts 0 - • 0 - • 0 - • 0 - • 0 - • 0 - • 0 - • 0 - • 0 - • 0 - • 0 - • 100 kA	• at AC-3e maximum 15 1/h Auxiliary cortacts 0 number of NO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 • 100 kA • <t< td=""><td>y .</td></t<>	y .
Auxiliary circuit 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 runder of CO contacts for auxiliary contacts 0 product function 0 • ground fault detection Yes optication Yes 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 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 • at 200 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 800 V rated value 100 kA • at 800 V rated value 0.83 A • at 800 V r	Auxillary circuit 0 number of NC contacts for auxiliary contacts 0 • 0 number of NO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function No • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • 0 • operating short-circuit current breaking capacity (Icu) • •1 AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA 100 kA • at AC at 500 V rated value 100 kA 100 kA • at 400 V rated value 100 kA 100 kA • at 400 V rated value 100 kA 100 kA • at 600 V rated value 0.63 A 0.63 A • at 600 V rated value 0.63 A 0.63 A	num 15 1/h
number of NC contacts for auxiliary contacts 0 • 0 number of NO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 Product function 0 • ground fault detection No • phase faulter detection Yes 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 90 V rated value 100 kA • at 800 V rated value 0.63 A Short-circuit protection Yes design of the short-kricuit protection Yes design of the short-kricuit protection Yes design of the short hore whort for short-circuit protection Yes	number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function Yes etrip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 100 kA et A C at 240 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C at 400 V rated value 100 kA et A C O V rated value 100 kA et A C O V rated value 0.63 A et A C O V rated value 0.63 A et A C O V rated value 0.63 A et A C O V rated value 0.63 A et A C O V rated value 0	imum 15 1/h
• 0 number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 • ground fault detection No • phase failure detection Yes • tip class CLASS 10 design of the overlead roless thermal maximum short-circuit current breaking capacity (fcu) 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 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 240 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 063 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600		
number of NO contacts for auxiliary contacts 0 • 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 Protective and monitoring functions 0 regund fault detection Yes • ergund 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 • at AC at 260 V rated value 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 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 0.63 A • at 800 V rated value 0.63 A • at 800 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value	number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function No • probase failure detection Yes trip class CLASS 10 design of the overload release thermail 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 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 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 800 V <td< td=""><td>acts for auxiliary contacts</td></td<>	acts for auxiliary contacts
• 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions • product function No • ground fault detection Yes trip class CLASS 10 design of the overload release thermail 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 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 900 V rated value 100 kA • at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A <	• 0 number of CO contacts for auxiliary contacts 0 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) • • at AC at 240 V trated value 100 kA • at AC at 400 V trated value 100 kA • at AC at 650 V trated value 100 kA • at AC at 650 V trated value 100 kA • at AC at 650 V trated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 450 V rated value 100 kA • at 640 V rated value 0.63 A	0
number of CO contacts for auxiliary contacts 0 Protective and monitoring functions product function • ground fault detection • tip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (lcu) • at AC at 200 V rated value • at AC at 200 V rated value • at AC at 600 V rated value • at AC at 600 V rated value • optacting short-circuit current breaking capacity (lcs) at AC • at AC at 600 V rated value • at 200 V rated value • at 200 V rated value • at 200 V rated value • at 600 V rated value <td>number of CO 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 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 400 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 800 V rated value 100 kA • at 800 V rated value 0.63 A • at 600 V rated value 0.63 A</td> <td>icts for auxiliary contacts</td>	number of CO 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 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 400 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 800 V rated value 100 kA • at 800 V rated value 0.63 A • at 600 V rated value 0.63 A	icts for auxiliary contacts
Protective and monitoring functions product function o ground fault detection v phase failure detection Yes CLASS 10 design of the overload release Imaximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value 100 KA • at AC at 400 V rated value • at AC at 500 V rated value 100 KA • at AC at 630 V rated value 100 KA • at 240 V rated value 100 KA • at 600 V rated value 100 KA • at 600 V rated value 100 KA • at 600 V rated value 0.63 A 0.63 A 0.63 A 0.63 A Short-circuit protection Yes design of the fort If network for short-circuit protection Yes design of the fuse link for IT	Protective and monitoring functions product function viground fault detection • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (lcu) • • 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 AC 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 0.63 A full-load current (FLA) for 3-phase AC motor • • at 400 V rated value 0.63 A Short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic design of the	0
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 240 V rated value • at AC at 240 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 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 600 V rated value 0.63 A	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 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 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 0.63 A • at 800 V rated value 0.63 A • at 800 V rated value 0.63 A • at 800 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A <td></td>	
	 ground fault detection 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 operating short-circuit current breaking capacity (Ics) at AC at AC at 600 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 500 V rated value 100 kA at 600 V rated value 100 kA at 600 V rated value 0.63 A at 480 V rated value 0.63 A at 600 V gL/gG 6 A Installation/ mounting / dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm Dil height 97 mm with side-by-side mounting at the side 0 mm for grounded parts at 4	toring functions
• phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (tcu) 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 650 V rated value 100 kA • at AC at 650 V rated value 100 kA • at AC at 650 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 0.63 A • at 600 V rated value 0.63 A • at 600 V rated value 0.63 A Short-circuit protection Yes design of the fuse link for IT network for short-circuit protection Yes design of the fuse link for IT network for short-circuit protection Serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 hortding position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
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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 500 V rated value 100 kA • operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • 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 600 V rated value 00 kA • at 600 V rated value 0.63 A • at 600 V gugG 6 A In	design of the overload release thermal maximum short-circuit current breaking capacity (Icu) i at AC at 240 V rated value i at AC at 240 V rated value 100 kA i at AC at 500 V rated value 100 kA i at AC at 260 V rated value 100 kA i at AC at 690 V rated value 100 kA i at AC at 200 V rated value 100 kA i at 400 V rated value 100 kA i at 600 V rated value 0.63 A UL/CSA ratings	detection Yes
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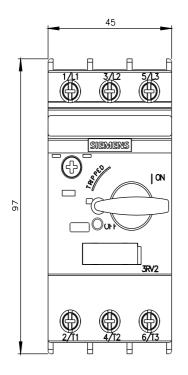
· · · · · · · · · · · · · · · · · · ·	IP20 finger-safe, for vertical contact from the front Handle			
touch protection on the front according to IEC 60529 display version for switching status	finger-safe, for vertical contact from the front			
· · · · · · · · · · · · · · · · · · ·	finger-safe, for vertical contact from the front			
protection class IP on the front according to IEC 60529				
Electrical Safety				
 for proof test interval or service life according to IEC 61508 	10 a			
T1 value	10 -			
IEC 61508				
31920				
failure rate [FIT] with low demand rate according to SN	50 FIT			
B10 value with high demand rate according to SN 31920	5 000			
 with high demand rate according to SN 31920 	50 %			
• with low demand rate according to SN 31920	50 %			
proportion of dangerous failures				
afety related data				
for main contacts	М3			
design of the thread of the connection screw				
size of the screwdriver tip	Pozidriv size 2			
design of screwdriver shaft	Diameter 5 to 6 mm			
for main contacts with screw-type terminals	0.8 1.2 N·m			
tightening torque				
 finely stranded with core end processing for AWG cables for main contacts 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (18 14), 2x 12			
	$2x (0,75 \dots 2,5 \text{ mm}^2), 2x 4 \text{ mm}^2$ $2x (0,5 \dots 1,5 \text{ mm}^2), 2x (0,75 \dots 2,5 \text{ mm}^2)$			
 for main contacts — solid or stranded 	$2y (0.75 - 2.5 \text{ mm}^2) 2y 4 \text{ mm}^2$			
type of connectable conductor cross-sections				
circuit				
arrangement of electrical connectors for main current	Top and bottom			
for main current circuit	screw-type terminals			
type of electrical connection				
onnections/ Terminals				
— forwards	0 mm			
— at the side	30 mm			
— backwards	0 mm			
— upwards	50 mm			
— downwards	50 mm			
• for live parts at 690 V				
— forwards	0 mm			
— at the side	30 mm			
— backwards	0 mm			
— upwards	50 mm			
 for grounded parts at 690 V — downwards 	50 mm			
- at the side	9 mm			
— upwards	30 mm			
— downwards	30 mm			
for live parts at 500 V	20 mm			
— at the side	9 mm			
— upwards	30 mm			
— downwards	30 mm			
• for grounded parts at 500 V				
— at the side	9 mm			
— upwards	30 mm			
— downwards	30 mm			

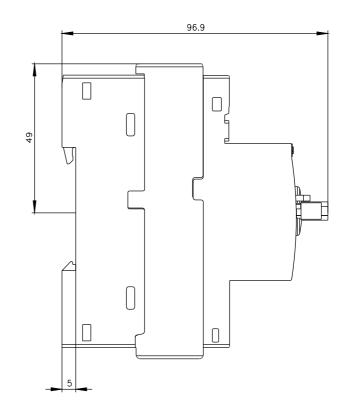
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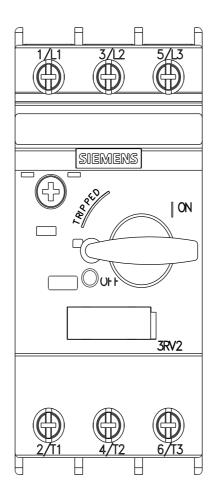
General Product Ap- proval	For use in hazardous locations		Test Certificates		Marine / Shipping			
EHC	KEx ATEX	IECE×	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS			
Marine / Shipping					other			
BUREAU VERITAS		Llovd's Register us	PRS	RINA	<u>Miscellaneous</u>			
other		Railway	Environment					
<u>Confirmation</u>	DE	<u>Confirmation</u>	EPD					
Further information								
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-0GA10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0GA10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0GA10 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-0GA10⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current								

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0GA10/char

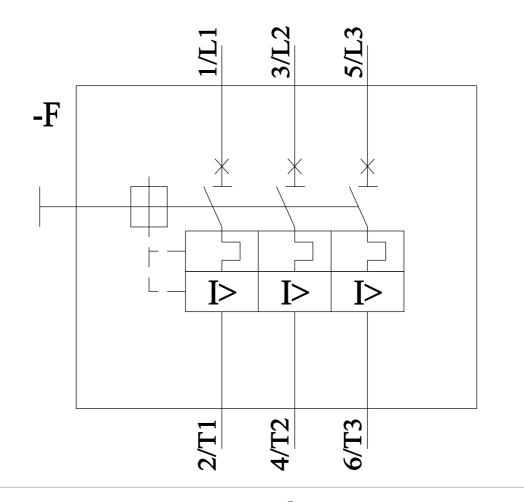
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0GA10&objecttype=14&gridview=view1







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