SIEMENS

Data sheet 3RV2011-4AA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 10...16 A N-release 208 A screw terminal Standard switching capacity



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 	9.25 W
 at AC in hot operating state per pole 	3.1 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	0.359 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Environmental footprint	
global warming potential [CO2 eq] total	74.698 kg
global warming potential [CO2 eq] during manufacturing	1.98 kg
global warming potential [CO2 eq] during sales	0.134 kg
global warming potential [CO2 eq] during operation	72.7 kg
global warming potential [CO2 eq] after end of life	-0.116 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Main circuit	
number of poles for main current circuit	3

adjustable current response value current of the current-	10 16 A
dependent overload release	
type of voltage for main current circuit	AC/DC
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	16 A
operational current	40.4
• at AC-3 at 400 V rated value	16 A
at AC-3e at 400 V rated value	16 A
operating power	
• at AC-3	A IAM
— at 230 V rated value	4 kW
— at 400 V rated value — at 500 V rated value	7.5 kW 7.5 kW
— at 690 V rated value	11 kW
at AC-3e at 230 V rated value.	A IAM
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW 7.5 kW
— at 500 V rated value	
— at 690 V rated value	11 kW
operating frequency	15.1/b
• at AC-3 maximum	15 1/h
at AC-3e maximum Auxilians circuit	15 1/h
Auxiliary circuit	AO/DO
type of voltage for auxiliary and control circuit	AC/DC
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts Protective and monitoring functions	0
product function	
product function	No
ground fault detection	No Ves
ground fault detection phase failure detection	Yes
ground fault detection phase failure detection trip class	Yes CLASS 10
ground fault detection phase failure detection trip class design of the overload release	Yes
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu)	Yes CLASS 10 thermal
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value	Yes CLASS 10 thermal
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu)	Yes CLASS 10 thermal 100 kA 55 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value	Yes CLASS 10 thermal
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC at 690 V rated value at AC at 690 V rated value at AC at 240 V rated value at 240 V rated value at 240 V rated value at 400 V rated value at 500 V rated value at 500 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 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	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 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	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 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	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 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 at 600 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value fesponse 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]	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value tesponse 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 for single-phase AC motor	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 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 at 600 V rated value for single-phase AC motor at 110/120 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 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 for single-phase AC motor at 110/120 V rated value at 230 V rated value at 230 V rated value at 230 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A 16 A 16 A 1 hp 2 hp
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 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 for 3-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A 16 A 16 A 1 hp 2 hp
ground fault detection phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 500 V rated value at AC at 690 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value	Yes CLASS 10 thermal 100 kA 55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A 16 A 16 A 1 hp 2 hp

design of the size late for I matvork for short-circuit protection of the main circuit protection of the circuit protect	product function short circuit protection	Yes
+ at 240 V		
# # 400 V	protection of the main circuit	
# a1 690 V glugG 40 A Installation mounting (dimensions mounting position any fastening method scewards anap-on mounting onto 35 mm DIN roll according to DIN EN 607 15 height 97 mm with 45 mm depth 97 mm equived spacing		
### 1600 V	• at 400 V	gL/gG 63 A
Installation/ mounting position any fastening method screw and snep-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 97 mm 97 mm	● at 500 V	gL/gG 50 A
Instancing method	• at 690 V	gL/gG 40 A
series miles	Installation/ mounting/ dimensions	
Meditable 97 mm	-	·
width 45 mm depth 97 mm required spacing 97 mm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 0 mm — at the side 9 mm • for live parts at 400 V 0 mm — downwards 30 mm — upwards 30 mm — at the side 9 mm • for grounded parts at 500 V 0 mm — downwards 30 mm — at the side 9 mm • for live parts at 500 V 0 mm — downwards 30 mm — at the side 9 mm • for grounded parts at 890 V 0 mm — downwards 50 mm • for grounded parts at 690 V 0 mm — at the side 30 mm • packwards 0 mm — at the side 30 mm — at the side 30 mm — at the side 30 mm — backwards 0 mm — for live parts at 690 V 0 mm — downwards 50 mm		
Image: I	<u> </u>	
The state of the		
• with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for the parts at 400 V — downwards — at the side • for the parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — or grounded parts at 500 V — downwards — or man the side • for grounded parts at 500 V — downwards • for grounded parts at 500 V — downwards — backwards — onm — the side — onm — onm Connections/Torminals • for main contacts •	·	97 mm
downwards		U mm
- upwards		
■ of the parts at 400 V ─ downwards		
• for live parts at 400 V	·	
- downwards		9 mm
- upwards	·	20
■ of the side		
	·	
- downwards		9 111111
- upwards - at the side • for live parts at 500 V - downwards - upwards - upwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - backwards - backwards - the side - for grounded parts at 690 V - downwards - backwards - backwards - omm - forwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - upwards - for live parts at 690 V - downwards - upwards - backwards - upwards - for live parts at 690 V - downwards - upwards - backwards - upwards - omm - the side - omm - om		00
■ at the side		
	·	
- downwards - upwards - at the side 9 mm - for grounded parts at 690 V - downwards - backwards - at the side 9 mm - for live parts at 690 V - downwards 6 for live parts at 690 V - downwards 9 mm • for live parts at 690 V - downwards 9 mm • for live parts at 690 V - downwards 9 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - forvards 0 mm Connections/ Terminals - type of electrical connection • for main current circuit circuit type of connectable conductor cross-sections • for main current circuit screw-type terminals - solid or stranded 2x (0,75 2,5 mm²), 2x 4 mm² 2x (18 14), 2x 12 tightening torque • for main contacts with screw-type terminals design of screwdriver shaft 5 Diameter 5 to 6 mm size of the screwdriver tip 6 design of screwdriver tip 6 design of the thread of the connection screw • for main contacts • for main contacts For main contacts Diameter 5 to 6 mm Size of the screwdriver tip 6 design of screwdriver tip 6 design of the thread of the connection screw • for main contacts with screw-type terminals As a 12 N·m design of the thread of the connection screw • for main contacts with screw-type terminals		9 mm
- upwards		00
• for grounded parts at 690 V - downwards - upwards - backwards 0 mm - at the side 30 mm - forwards • for live parts at 690 V - downwards 50 mm • for live parts at 690 V - downwards 50 mm - upwards 50 mm - townwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 0 mm - at the side 30 mm - at the side 7 onwards 0 mm - at the side 9 onm - forwards 0 mm - townwards - forwards - formands **Connections/ Terminals** **Type of electrical connection • for main current circuit **arrangement of electrical connectors for main current circuit **type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts 2x (0.5 1.5 mm²), 2x 4 mm² 2x (18 14), 2x 12 **tightening torque • for main contacts with screw-type terminals **design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip **design of the thread of the connection screw • for main contacts **for main contacts **M3	·	
- downwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm - forwards 0 mm - forwards 0 mm - forwards 50 mm - downwards 50 mm - downwards 50 mm - upwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 30 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm - forwards 0 mm Connections/ Terminals type of electrical connection - for main current circuit screw-type terminals - solid or stranded 2x (0,75 2,5 mm²), 2x 4 mm² - finely stranded with core end processing 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) - for AWG cables for main contacts 2x (18 14), 2x 12 tightening torque - for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw - for main contacts - for main contacts - Pozidriv size 2		9 11111
- 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 - upwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - to the side 30 mm - forwards 0 mm - forwards 0 mm - forwards 10 mm - for main current circuit 10 screw-type terminals 10 mm type of electrical connectors for main current 10 circuit 10 pand bottom 10 pand bottom 10 pand bottom 10 pand 10 p		FO
- 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 - backwards 0 mm - at the side 30 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 arrangement of electrical connectors for main current circuit 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 mm²), 2x (0.75 2.5 mm²) • for AWG cables for main contacts 2x (18 14), 2x 12 tightening torque • for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts		
- at the side - forwards 0 mm • for live parts at 690 V - downwards 50 mm - backwards 0 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm - at the side 30 mm - forwards 0 mm Connections/ Terminals type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts • for main contacts M3	•	
- forwards • for live parts at 690 V - downwards - upwards - upwards - backwards - of main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts - For wain contacts - Solid or stranded - For wain contacts with screw-type terminals - For wain contacts		
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- 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 arrangement of electrical connectors for main current circuit 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 mm²), 2x (0.75 2.5 mm²) • for AWG cables for main contacts 2x (18 14), 2x 12 tightening torque • for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts		O IIIIII
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- backwards - at the side - forwards 0 mm Connections/ Terminals type of electrical connection ● for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections ● for main contacts - solid or stranded - finely stranded with core end processing ● for AWG cables for main contacts ● for main contacts ● for main contacts with screw-type terminals 2x (0.5 1.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x 4 mm² 2x (18 14), 2x 12 tightening torque ● for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw ● for main contacts M3		
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Type of electrical connection • for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for AWG cables for main contacts • for main contacts with screw-type terminals • for main contacts		
type of electrical connection		
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for main contacts 2x (18 14), 2x 12 tightening torque • for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts • for main contacts M3	1011101101	O IIIIII
 ◆ for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections ◆ for main contacts — solid or stranded — finely stranded with core end processing ♦ for AWG cables for main contacts 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.75 2,5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 tightening torque ♦ for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw ♦ for main contacts M3 		
arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts • for main contacts with screw-type terminals • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts M3		screw-type terminals
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts • for main contacts • for main contacts • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip • for main contacts M3	arrangement of electrical connectors for main current	
 for main contacts solid or stranded finely stranded with core end processing for AWG cables for main contacts for nain contacts for main contacts with screw-type terminals for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip pozidriv size 2 M3 		
- solid or stranded - finely stranded with core end processing of for AWG cables for main contacts **Total tightening torque** • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip for main contacts **Total tightening torque** • for main contacts with screw-type terminals Diameter 5 to 6 mm **Pozidriv size 2** **Dozidriv size 2** **M3** **M3** **M3** **Total tightening** **Design of the thread of the connection screw** **M3** **Ma** **Ma** **Total tightening** **Design of the thread of the connection screw** **M3** **Ma** **Ma**		
finely stranded with core end processing • for AWG cables for main contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 tightening torque • for main contacts with screw-type terminals 0.8 1.2 N⋅m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		2x (0,75 2,5 mm²), 2x 4 mm²
for AWG cables for main contacts 2x (18 14), 2x 12 tightening torque for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw for main contacts M3		
tightening torque • for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		
for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw for main contacts M3	tightening torque	
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size of the screwdriver tip design of the thread of the connection screw for main contacts Pozidriv size 2 M3	·	
design of the thread of the connection screw • for main contacts M3	-	
• for main contacts M3	·	
	_	M3
	Safety related data	

product function suitable for safety function	Yes
suitability for use	
 safety-related switching on 	No
safety-related switching OFF	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
 for proof test interval or service life according to IEC 61508 	10 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Display	
display version for switching status	Handle
Approvals Certificates	
General Product Approval	

General Product Approval









<u>KC</u>



General Product Approval

For use in hazardous locations

Test Certificates

Marine / Shipping

BIS CRS





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping











Miscellaneous

other

other Rails

Railway

Environment

Confirmation



Special Test Certificate

Confirmation







Environment

Environmental Confirmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-4AA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-4AA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-4AA10

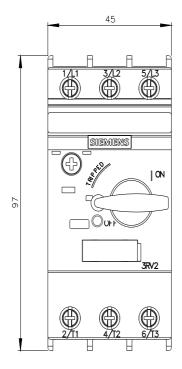
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-4AA10&lang=en

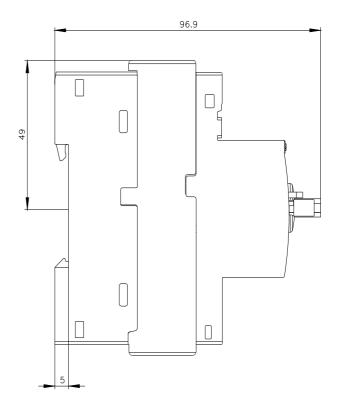
Characteristic: Tripping characteristics, I2t, Let-through current

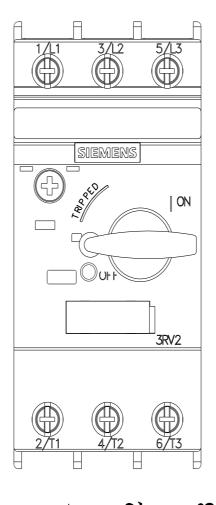
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-4AA10/char

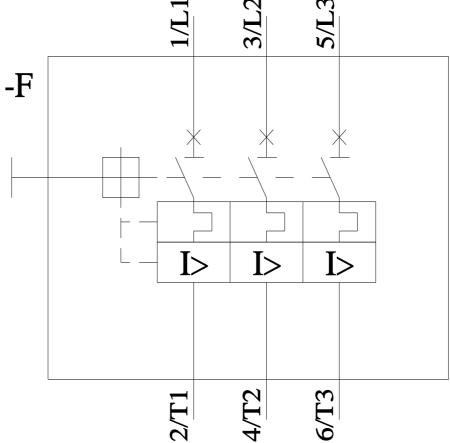
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-4AA10&objecttype=14&gridview=view1









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