SIEMENS

Data sheet 3RV1011-0CA15



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.18...0.25 A N-release 3.3 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	5.5 W
 at AC in hot operating state per pole 	1.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
of auxiliary contacts typical	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	01/01/2013
SVHC substance name	Lead - 7439-92-1
Weight	0.244 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	0.18 0.25 A
type of voltage for main current circuit	AC
operating voltage	
rated value	20 690 V
 at AC-3 rated value maximum 	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	0.25 A
operational current	

• at AC-3 at 400 V rated value	0.25 A
at AC-3e at 400 V rated value	0.25 A
operating power	
• at AC-3	
— at 230 V rated value	0 kW
— at 400 V rated value	0.06 kW
— at 500 V rated value	0.09 kW
— at 690 V rated value	0.12 kW
• at AC-3e	
— at 230 V rated value	0 kW
— at 400 V rated value	0.06 kW
— at 500 V rated value	0.09 kW
— at 690 V rated value	0.12 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
type of voltage for auxiliary and control circuit	AC/DC
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	·
• at 24 V	2 A
• at 110 V	2 A
• at 120 V	2 A
• at 125 V	2 A
• at 230 V	0.5 A
operational current of auxiliary contacts at DC-13	0.3 A
• at 24 V	1.A
• at 60 V	0.15 A
1111	0.1071
Protective and monitoring functions	0.1071
Protective and monitoring functions product function	
Protective and monitoring functions product function • ground fault detection	No
Protective and monitoring functions product function ground fault detection phase failure detection	No Yes
Protective and monitoring functions product function ground fault detection phase failure detection trip class	No Yes CLASS 10
Protective and monitoring functions product function ground fault detection phase failure detection trip class design of the overload release	No Yes
Protective and monitoring functions product function • ground fault detection • phase failure detection trip class design of the overload release maximum short-circuit current breaking capacity (Icu)	No Yes CLASS 10 thermal
Protective and monitoring functions product function 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	No Yes CLASS 10 thermal
Protective and monitoring functions product function 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	No Yes CLASS 10 thermal 100 kA 100 kA
Protective and monitoring functions product function 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	No Yes CLASS 10 thermal 100 kA 100 kA
protective and monitoring functions product function • 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	No Yes CLASS 10 thermal 100 kA 100 kA
product function • 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	No Yes CLASS 10 thermal 100 kA 100 kA 100 kA
Protective and monitoring functions product function • 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	No Yes CLASS 10 thermal 100 kA 100 kA 100 kA 100 kA
protective and monitoring functions product function 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	No Yes CLASS 10 thermal 100 kA 100 kA 100 kA 100 kA 100 kA
protective and monitoring functions product function 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 500 V rated value	No Yes CLASS 10 thermal 100 kA 100 kA 100 kA 100 kA 100 kA
product function • 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 240 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 2500 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	No Yes CLASS 10 thermal 100 kA
product function • 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 500 V rated value • at 690 V rated value	No Yes CLASS 10 thermal 100 kA 100 kA 100 kA 100 kA 100 kA
product function	No Yes CLASS 10 thermal 100 kA
product function	No Yes CLASS 10 thermal 100 kA
Protective and monitoring functions product function • 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 690 V rated value • at 690 V rated value • at 690 V rated value value • at 690 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	No Yes CLASS 10 thermal 100 kA
Protective and monitoring functions product function • 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 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	No Yes CLASS 10 thermal 100 kA
Protective and monitoring functions product function • 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 690 V rated value oat 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 contact rating of auxiliary contacts according to UL	No Yes CLASS 10 thermal 100 kA
Protective and monitoring functions product function • 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 400 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 contact rating of auxiliary contacts according to UL Short-circuit protection	No Yes CLASS 10 thermal 100 kA Color of the many state of the many
Protective and monitoring functions product function 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 690 V rated value contact 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 contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection	No Yes CLASS 10 thermal 100 kA C300 / R300
product function	No Yes CLASS 10 thermal 100 kA Color of the many state of the many
Protective and monitoring functions product function 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 690 V rated value contact 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 contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection	No Yes CLASS 10 thermal 100 kA C300 / R300 Yes magnetic
product function	No Yes CLASS 10 thermal 100 kA C300 / R300
product function	No Yes CLASS 10 thermal 100 kA C300 / R300
product function	No Yes CLASS 10 thermal 100 kA C300 / R300

at 200 V None required mounting position fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fistening method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fish method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fish method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fish method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fish method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fish method serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607. fish method serve and snap-on mounting onto 25 mm on method serve and snap-on mounting onto serve and	• at 400 V	None required
mounting position flastaming method sortwards and snap-on mounting onto 35 mm DIN rail according to DIN EN 607: height width 45 mm depth 75 mm required spacing **or grounded parts at 400 V — downwards — upwards — at the side **or grounded parts at 500 V — downwards — at the side **or grounded parts at 500 V — downwards — upwards — at the side **or grounded parts at 500 V — downwards — at the side **or grounded parts at 500 V — downwards — at the side **or for grounded parts at 500 V — downwards — at the side **or for grounded parts at 500 V — downwards — at the side **or for grounded parts at 500 V — downwards — at the side **or for the parts at 500 V — downwards — upwards — at the side **or for the parts at 500 V — downwards — upwards — at the side **or for grounded parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — or for the parts at 690 V — downwards — upwards — upwards — upwards — upwards — upwards — or for grounded parts at 690 V — downwards — upwards — upwards — upwards — or for grounded parts at 690 V — downwards — upwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for grounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded parts at 690 V — downwards — or for prounded pa		
mounting pesition any frastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 807. Tastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 807. The shape of the state of		
mounting position fistening method screw and seap-on mounting onto 35 mm DIN rail according to DIN EN 6071 fistening method depth 90 mm words 45 mm • for grounded sparts at 400 V — downwards — at the side • for live parts at 400 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 — at the side • for live 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 live parts at 500 V — downwards — at the side • for grounded parts at 950 V — downwards — at the side • for live parts at 500 V — downwards — opwards — at the side • for live parts at 500 V — downwards — opwards — backwards — on mm — at the side — forwards • for live parts at 500 V — downwards — at the side — forwards — on mm — at the side — forwards • for live parts at 500 V — downwards — at the side — forwards — on mm — the side — forwards — on mm — the side — forwards — at the side — forwards — forwards — at the side — forwards —		
### design		anv
height 45 mm depth 75 mm required spacing • for grounded parts at 400 V — downwards 20 mm — at the side 9 mm • for grounded parts at 500 V — downwards 20 mm — upwards 20 mm — upwards 20 mm — at the side 9 mm • for grounded parts at 500 V — downwards 20 mm — at the side 9 mm • for grounded parts at 500 V — downwards 20 mm — upwards 20 mm — at the side 9 mm • for grounded parts at 500 V — downwards 20 mm — at the side 9 mm • for for unded parts at 500 V — downwards 20 mm — at the side 9 mm • for for unded parts at 800 V — downwards 20 mm — at the side 9 mm • for for unded parts at 800 V — downwards 20 mm — at the side 9 mm • for for live parts at 800 V — downwards 20 mm • backwards 0 mm • for live parts at 800 V — downwards 20 mm • for live parts at 800 V — downwards 0 mm • for live parts at 800 V — downwards 0 mm • for live parts at 800 V — downwards 0 mm • for live parts at 800 V — downwards 0 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 20 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 20 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V — downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwards 10 mm • for live parts at 800 V • downwa		
width depth 75 mm required spacing • for grounded parts at 400 V - downwards 20 mm - upwards 20 mm • for five parts at 400 V - downwards 20 mm - upwards 20 mm - upwards 20 mm - upwards 20 mm - upwards 20 mm - at the side 9 mm • for grounded parts at 500 V - downwards 20 mm - at the side 9 mm • for five parts at 500 V - downwards 20 mm - at the side 9 mm • for five parts at 500 V - downwards 20 mm - at the side 9 mm • for live parts at 500 V - downwards 20 mm - at the side 9 mm • for live parts at 500 V - downwards 20 mm - upwards 20 mm - upwards 20 mm - which is the side 9 mm • for live parts at 500 V - downwards 20 mm - which is the side 9 mm - forwards 0 mm - forwards 0 mm - for ver parts at 500 V - downwards 20 mm - which is the side 9 mm - forwards 0 mm - for wards 0 mm - for auxiliary and control circuit vige of connectable conductor cross-sections - for auxiliary contacts - solid or stranded - finely stranded with screw-type terminals - for auxiliary contacts - solid or stranded - finely stranded with screw-type terminals - for auxiliary contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 3x (0.5 1.5 mm²), 2x (0		
Tequired spacing Figure		45 mm
Frequired specing		
- downwards	required spacing	
upwards	• for grounded parts at 400 V	
	— downwards	20 mm
	— upwards	20 mm
- downwards - upwards - 20 mm - 9 mm	— at the side	9 mm
- upwards	• for live parts at 400 V	
• for grounded parts at 500 V - downwards - 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 - at the side • for grounded parts at 690 V - downwards - upwards - onm - backwards - onm - the side - for live parts at 590 V - downwards - onm - the side - for live parts at 590 V - downwards - upwards - upwards - upwards - onm - ontered side - for live parts at 590 V - downwards - upwards - onm - one for live parts at 590 V - downwards - upwards - upwards - upwards - upwards - onm - one for live parts at 590 V - downwards - upwards - upward	— downwards	20 mm
of or grounded parts at 500 V odwnwards ou pwards of for live parts at 500 V odwnwards ou pwards ou pwards out the side of or live parts at 500 V odwnwards out the side out the s	— upwards	20 mm
- downwards - 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 - onm - backwards - onm - ontacts - for live parts at 690 V - downwards - onm - ontacts - for live parts at 690 V - downwards - onm - ontacts - onm - ontacts - of or auxiliary candacts with screw-type terminals - solid or stranded - finely stranded - for one contacts - solid or stranded - for one contacts - solid or stranded - for one contacts - solid or stranded - for main contacts - solid or stranded - for mailiary contacts with screw-type terminals - or auxiliary candacts with screw-type terminals - for main contacts - solid or stranded - for main contacts - solid or stranded - for mailiary contacts with screw-type terminals - for auxiliary candacts with screw-type terminals - solid or stranded - for succiliary contacts - solid or stranded - for mailiary contacts with screw-type terminals - for auxiliary candacts with screw-type terminals - for auxiliary contacts with screw-type terminals - for auxilia	·	9 mm
- upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - backwards - upwards - backwards - of ive parts at 690 V - downwards - tife side - forwards - of main current circuit - for auxiliary and control circuit arrangement of electrical connectors for main current circuit - solid or stranded - find auxiliary contacts - solid or stranded - find auxiliary contacts with screw-type terminals - for main contacts - for main contacts - for main contacts	● for grounded parts at 500 V	
- at the side • for live parts at 500 V - downwards - upwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - backwards - backwards - at the side - for live parts at 690 V - downwards - at the side - forwards - of live parts at 690 V - downwards - at the side - pmm - forwards - of live parts at 690 V - downwards - upwards - upwards - upwards - upwards - upwards - at the side - pmm - forwards - at the side - pmm - forwards - at the side - pmm - forwards - onm - torwards - onm - torwards - onm - for and correct circuit - for analicurrent circuit - for auxiliary and control circuit - arrangement of electrical connectors for main current circuit - solid or stranded - finely stranded with core end processing - type of connectable conductor cross-sections - for auxiliary contacts - solid or stranded - finely stranded - finely stranded - finely stranded - solid or stranded - for auxiliary contacts with screw-type terminals - for auxiliary contacts with screw-type terminals - for auxiliary contacts with screw-type terminals - for auxiliary contacts - for auxiliar		20 mm
	— upwards	20 mm
- downwards 20 mm - upwards 20 mm - at the side 9 mm • for grounded parts at 690 V - downwards 20 mm - upwards 20 mm - upwards 20 mm - backwards 0 mm - at the side 9 mm - forwards 0 mm - for live parts at 690 V - downwards 20 mm - for live parts at 690 V - downwards 20 mm - upwards 20 mm - to live parts at 690 V - downwards 20 mm - upwards 20 mm - upwards 20 mm - at the side 9 mm - backwards 0 mm - at the side 9 mm - backwards 0 mm - at the side 9 mm - forwards 0 mm - for auxiliary and control circuit screw-type terminals type of electrical connection • for main current circuit screw-type terminals * for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts with screw-type terminals - for auxiliary contacts with screw-type	·	9 mm
- downwards 20 mm - upwards 20 mm - at the side 9 mm • for grounded parts at 690 V - downwards 20 mm - upwards 20 mm - upwards 20 mm - backwards 0 mm - at the side 9 mm - forwards 0 mm - for live parts at 690 V - downwards 20 mm - for live parts at 690 V - downwards 20 mm - upwards 20 mm - to live parts at 690 V - downwards 20 mm - upwards 20 mm - upwards 20 mm - at the side 9 mm - backwards 0 mm - at the side 9 mm - backwards 0 mm - at the side 9 mm - forwards 0 mm - for auxiliary and control circuit screw-type terminals type of electrical connection • for main current circuit screw-type terminals * for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts with screw-type terminals - for auxiliary contacts with screw-type	• for live parts at 500 V	
- at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - upwards • for live parts at 690 V - downwards - upwards - upwards - backwards 0 mm - at the side 9 mm 0 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit screw-type terminals - for main contacts - solid or stranded - finely stranded with core end processing * for main contacts - solid or stranded - finely stranded with core end processing * for main contacts - solid or stranded - finely stranded with core end processing * for main contacts - solid or stranded - finely stranded with core end processing * for auxiliary contacts - solid or stranded • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for maxiliary contacts • for maxiliary contacts • for maxilia		20 mm
• for grounded parts at 690 V — downwards — upwards — backwards — onm — at the side — forwards • for live parts at 690 V — downwards — upwards — onmouth of the side — forwards — upwards — upwards — upwards — upwards — backwards — onm — the side — forwards — onm — onmouth of main current circuit • for auxillary and control 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 type of connectable conductor cross-sections • for auxillary contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxillary contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxillary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxillary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxillary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxillary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxillary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxillary contacts with screw-type terminals • for auxillary contacts • for main contacts with screw-type termin	— upwards	20 mm
- downwards - upwards - upwards - backwards - o mm - at the side - forwards - o mm - o	— at the side	9 mm
- upwards - backwards - at the side - forwards 0 mm • for live parts at 690 V - downwards - upwards 20 mm • for live parts at 690 V - downwards 20 mm - backwards 0 mm - backwards 0 mm - at the side 9 mm 0 mm Connections/Terminals type of electrical connection • for main current circuit type of connectable conductor cross-sections • for minic contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely	• for grounded parts at 690 V	
- backwards - at the side - forwards of for live parts at 690 V - downwards - upwards - upwards - backwards - at the side - forwards 0 mm - upwards - backwards - at the side - forwards 0 mm - at the side - forwards 0 mm Connections/ Terminals type of electrical connection of or an uncernet circuit of ro auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of or main contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections of or auxiliary contacts - solid or stranded - for auxiliary contacts - solid or stranded - strander - solid or stranded - stranded - stranded - stranded - strander - solid or stranded - strander - solid or stranded - stranded - strander - solid or stranded - stranded - strander - solid or stranded - solid or strander	— downwards	20 mm
- at the side - forwards • for live parts at 690 V - downwards - upwards - backwards - backwards - at the side - forwards 0 mm - at the side - forwards 0 mm - at the side - forwards 0 mm Connections/ Forminals type of electrical connection • for main current circuit • for auxiliary and control 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 type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - for main contacts - solid or stranded 0 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x (1 4 mm²) type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 0 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 0 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts • for main contacts • for main c	— upwards	20 mm
- forwards • for live parts at 690 V - downwards - upwards - backwards - at the side - forwards - on mm Connections/ Terminals type of electrical connection • for auxiliary and control 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 type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded	— backwards	0 mm
• for live parts at 690 V - downwards - upwards - backwards - at the side - forwards 0 mm - at the side - forwards 0 mm Connections/ Terminals type of electrical connection • for auxiliary and control 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 auxiliary contacts - solid or stranded - finely stranded - for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - - solid or s	— at the side	9 mm
- downwards - upwards - upwards - backwards - at the side - forwards - forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control 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 type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - for auxiliary contacts with screw-type terminals - for auxiliary contacts - solid or stranded - for for auxiliary contacts - solid or stranded - for for auxiliary contacts - solid or stranded - for for auxiliary contacts - solid or stranded - for for auxiliary contacts - solid or stranded - for for auxiliary contacts - solid or stranded - for for auxili	— forwards	0 mm
- upwards - backwards - at the side - forwards 0 mm 9 mm - forwards Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control 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 auxiliary contacts - solid or stranded • for auxiliary contacts - solid or stranded - solid or stra	• for live parts at 690 V	
- backwards - at the side - forwards Connections/ Terminals type of electrical connector • for main current circuit • for auxiliary and control 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 auxiliary contacts - solid or stranded • for main contacts with screw-type terminals • for auxiliary contacts • for auxiliary contacts • for forminals • for auxiliary contacts • for form	— downwards	20 mm
- at the side - forwards 0 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - solid	— upwards	20 mm
Top and bottom of or main current circuit of or main current of electrical connection of or auxiliary and control circuit of or main current of electrical connectors for main current circuit type of connectable conductor cross-sections of or main contacts - solid or stranded - finely stranded with core end processing of or auxiliary contacts of or auxiliary contacts - solid or stranded of or auxiliary contacts of or auxiliary contacts of or main contacts - solid or stranded of or auxiliary contacts of or auxiliary contacts of or auxiliary contacts with screw-type terminals of or auxiliary contacts of the screwdriver tip	— backwards	0 mm
type of electrical connection • for main current circuit • for auxiliary and control 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 auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary contacts • for main contacts • for auxiliary contacts • for au	— at the side	9 mm
type of electrical connection • for main current circuit • for auxiliary and control 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 auxiliary contacts • for auxiliary contacts — solid or stranded 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts • for main contacts ### Contact Type Inventor ### Contact Type	— forwards	0 mm
• for main current circuit • for auxiliary and control 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 auxiliary contacts — solid or stranded • for main contacts with screw-type terminals • for auxiliary contacts • for main contacts with screw-type terminals • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts with screw-type termi	Connections/ Terminals	
of roauxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of or main contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded solid or stranded for auxiliary contacts solid or stranded so	type of electrical connection	
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 type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals M3	for main current circuit	screw-type terminals
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3	for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		Top and bottom
 for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded tightening torque for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals for main contacts M3 		
- solid or stranded - finely stranded with core end processing type of connectable conductor cross-sections of or auxiliary contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections of or auxiliary contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque of or main contacts with screw-type terminals of or auxiliary contacts with screw-type terminals of or auxiliary contacts with screw-type terminals of or screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of the thread of the connection screw of or main contacts M3		
- finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)
type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		
 for auxiliary contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip	<u> </u>	
solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		
tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals for auxiliary contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw for main contacts M3		(
 ◆ for auxiliary 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 		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 M3	**	
size of the screwdriver tip design of the thread of the connection screw of for main contacts Pozidriv size 2 M3		
design of the thread of the connection screw • for main contacts M3		
• for main contacts M3	<u> </u>	
	-	M3
·		
Safety related data		
product function suitable for safety function Yes		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
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	Rocker switch
Approvals Certificates	

General Product Approval









<u>KC</u>



General Product Approval

For use in hazardous locations

Test Certificates

Marine / Shipping

BIS CRS





Special Test Certificate Type Test Certificates/Test Report



Marine / Shipping











other Railway Environment

Miscellaneous

Confirmation



Special Test Certificate

Environmental Confirmations

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=3RV1011-0CA15

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV1011-0CA15}$

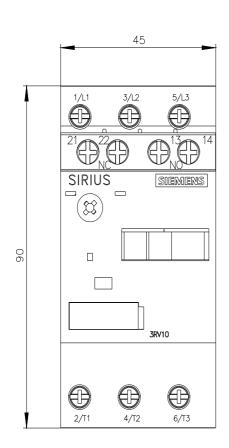
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

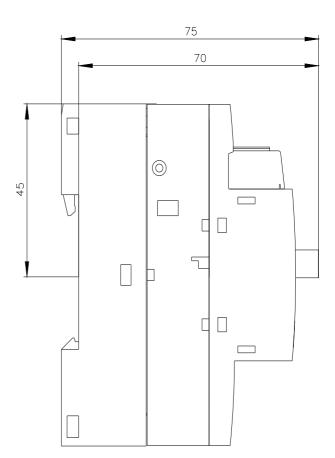
 $\underline{https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0CA15}$

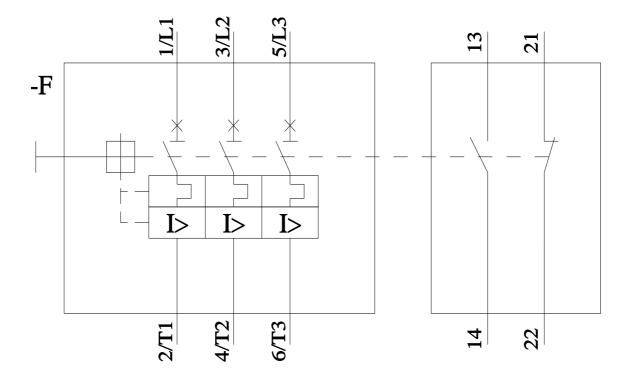
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0CA15/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0CA15&objecttype=14&gridview=view1







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