SIEMENS

Data sheet 3RV1011-0BA15

Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.14...0.2 A N-release 2.6 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] total typical	5 W
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 in networks with grounded star point between main and auxiliary circuit 	400 V
 in networks with grounded star point between main and auxiliary circuit 	400 V
Protection class IP	

	ID00
• on the front	IP20
of the terminal	IP00
Mechanical service life (switching cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
Electrical endurance (switching cycles)	
• typical	100 000
Certificate of suitability ATEX	Yes
Protection against electrical shock	finger-safe
Reference code acc. to DIN EN 81346-2	Q
Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m
Temperature compensation	-20 +60 °C
Relative humidity during operation	10 95 %
Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-	0.14 0.2 A
dependent overload release	
Operating voltage	
• rated value	690 V
 at AC-3 rated value maximum 	690 V
Operating frequency rated value	50 60 Hz
Operating current rated value	0.2 A
Operating current	
• at AC-3	
— at 400 V rated value	0.2 A
Operating power	
• at AC-3	
— at 230 V rated value	25 W

— at 690 V rated value	90 W
Operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
Design of the auxiliary switch	transverse
Number of NC contacts for auxiliary contacts	1
• Note	1
Number of NO contacts for auxiliary contacts	1

60 W

60 W

Note

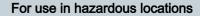
at 400 V rated valueat 500 V rated value

Product function Ground fault detection Phase failure detection Prip class CLASS 10 Design of the overload release Operational short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 000 A at 500 V rated value 100 000 A at 690 V rated value 100 000 A at AC at 240 V rated value 100 000 A Maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value 100 000 A 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 690 V rated value 100 kA at AC at 690 V rated value 100 kA at AC at 690 V rated value 100 kA at AC at 690 V rated value 100 kA at AC at 690 V rated value 100 kA Breaking capacity short-circuit current (Icn) at 1 current path at DC at 150 V rated value with 2 current paths in series at DC at 300 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V rated value awith 3 current paths in series at DC at 450 V	Number of CO contacts	
• at 24 V • at 110 V 2 A • at 120 V • at 125 V • at 230 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V Protective and monitoring functions Product function • Ground fault detection • Phase failure detection Operational short-circuit current breaking capacity (Ice) 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 • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 690 V rated value • at AC at current path at DC at 150 V rated value • at AC at value path at DC at 150 V rated value • with 2 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 c	• for auxiliary contacts	0
• at 110 V 2 A 2 A 2 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A	Operating current of auxiliary contacts at AC-15	
• at 120 V • at 125 V • at 125 V • at 125 V • at 230 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V Protective and monitoring functions Product function • Ground fault detection • Phase failure detec	● at 24 V	2 A
• at 125 V • at 230 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V Protective and monitoring functions Product function • Ground fault detection • Phase failure detection Trip class CLASS 10 Design of the overload release Operational 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 600 V rated value • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • with 2 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 curren	● at 110 V	2 A
• at 230 V Operating current of auxiliary contacts at DC-13 • at 24 V • at 60 V 1 A • at 60 V Outs A Protective and monitoring functions Product function • Ground fault detection • Phase failure detection • Phase failure detection • Phase failure detection Trip class CLASS 10 Design of the overload release Operational short-circuit current breaking capacity ((cs) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 680 V rated value • at AC at 680 V rated value • at 1 current path at DC at 150 V rated value • with 2 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with	● at 120 V	2 A
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• at 24 V • at 60 V • at 60 V • at 60 V Protective and monitoring functions Product function • Ground fault detection • Fhase failure detection • Phase failure detection • Phase failure detection • Phase failure detection • Yes Trip class • CLASS 10 Design of the overload release Operational 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 600 V rated value • at 600 V rated value • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • with 2 current path at DC at 150 V rated value • with 3 current paths in series at DC at 300 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 480 V rated value • with 480 V rated value	● at 230 V	0.5 A
• at 60 V 0.15 A Protective and monitoring functions Product function • Ground fault detection No • Phase failure detection Yes Trip class CLASS 10 Design of the overload release Operational short-circuit current breaking capacity (Ics) at AC • at 240 V rated value 100 000 A • at 400 V rated value 100 000 A • at 500 V rated value 100 000 A • at 500 V rated value 100 000 A Maximum short-circuit current breaking capacity (Icu) • at 4C at 240 V rated value 100 000 A Maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 690 V rated value 100 kA Preaking capacity short-circuit current (Icn) • at 1 current paths in series at DC at 300 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value 0.2 A Pul/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value 0.2 A	Operating current of auxiliary contacts at DC-13	
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Product function Ground fault detection Phase failure detection Posign of the overload release CLASS 10 Design of the overload release Deperational short-circuit current breaking capacity (ics) at AC at 240 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at AC at 240 V rated value at AC at 240 V rated value at AC at 240 V rated value at 690 V rated value at AC at 240 V rated value at AC at 240 V rated value at AC at 240 V rated value at AC at 500 V rated value by AC at 240 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 500 V rated value by AC at 240 V rated value at AC at 500 V rated value by AC at 240 V rated value at AC at 500 V rated value by AC at 240 V rated value at AC at 500 V rated value by AC at 240 V rated value at 1 current path at DC at 150 V rated value by AC at 300 V rated value with 3 current paths in series at DC at 300 V rated value with 3 current paths in series at DC at 450 V rated value of instantaneous short-circuit trip unit CA A CLASS 10 AC A AC A 500 V rated Value AC A AC	● at 60 V	0.15 A
Ground fault detection Phase failure detection Phase failure detection Phase failure detection CLASS 10 Design of the overload release thermal Operational short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 000 A at 500 V rated value 100 000 A at 500 V rated value 100 000 A Maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value 100 000 A Maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value 100 kA at AC at 240 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 690 V rated value 100 kA breaking capacity short-circuit current (Icn) at 1 current path at DC at 150 V rated value with 2 current paths in series at DC at 300 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths on series at DC at 450 V rated value with 3 current paths on series at DC at 450 V rated value with 4 80 V rated value 0.2 A	Protective and monitoring functions	
Phase failure detection Yes CLASS 10 Design of the overload release thermal Operational short-circuit current breaking capacity ((cs) at AC • at 240 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at AC at 240 V rated value • at AC at 2500 V rated value • at AC at 2690 V rated value • at 300 V rated value • with 3 current paths in series at DC at 300 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 4 current paths in series at DC at 450 V rated value • with 4 current paths in series at DC at 450 V rated value • with 5 current paths in series at DC at 450 V rated value • with 4 current paths in series at DC at 450 V rated value	Product function	
Trip class Design of the overload release Operational 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 • at AC at 240 V rated value • at AC at 2500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 1 current path at DC at 150 V rated value • with 2 current paths in series at DC at 300 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value • with 3 current paths in series at DC at 450 V rated value	 Ground fault detection 	No
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at AC at 690 V rated value Breaking capacity short-circuit current (Icn) at 1 current path at DC at 150 V rated value with 2 current paths in series at DC at 300 V rated value with 3 current paths in series at DC at 450 V rated value with 3 current paths in series at DC at 450 V rated value Response value current of instantaneous short-circuit trip unit 2.6 A UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value at 600 V rated value 0.2 A 0.2 A		100 kA
Breaking capacity short-circuit current (Icn) • at 1 current path at DC at 150 V rated value • with 2 current paths in series at DC at 300 V rated value • with 3 current paths in series at DC at 450 V rated value Response value current • of instantaneous short-circuit trip unit 2.6 A UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • 0.2 A		100 kA
with 2 current paths in series at DC at 300 V rated value with 3 current paths in series at DC at 450 V rated value Response value current of instantaneous short-circuit trip unit UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value at 600 V rated value on at 600 V rated value		
rated value • with 3 current paths in series at DC at 450 V rated value Response value current • of instantaneous short-circuit trip unit 2.6 A UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value • at 600 V rated value 0.2 A	• at 1 current path at DC at 150 V rated value	10 kA
rated value Response value current • of instantaneous short-circuit trip unit 2.6 A UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value • at 600 V rated value 0.2 A 0.2 A	•	10 kA
of instantaneous short-circuit trip unit 2.6 A UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value at 600 V rated value 0.2 A 0.2 A	•	10 kA
UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value • at 600 V rated value 0.2 A 0.2 A	Response value current	
Full-load current (FLA) for three-phase AC motor • at 480 V rated value • at 600 V rated value 0.2 A 0.2 A	 of instantaneous short-circuit trip unit 	2.6 A
 at 480 V rated value at 600 V rated value 0.2 A 0.2 A 	UL/CSA ratings	
• at 600 V rated value 0.2 A		
Contact rating of auxiliary contacts according to UL C300 / R300		
	Contact rating of auxiliary contacts according to UL	C300 / R300

Product function Short circuit protection Design of the short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 690 V None required Mounting position Mounting type Sorew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Begin the fuse limits and according to DIN EN 60715 Dominated turning for main current circuit • for main current circuit • for main current circuit • for onnectable conductor cross-sections • for onnectable conductor cross-sections • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts with screw-type terminals Size of the screwdriver tip Design of the thread of the connection screw • for the auxiliary contacts • for auxiliary contacts • for auxiliary contacts with screw-type terminals • for auxiliary contacts • for the screwdriver tip	Short-circuit protection	
Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V None required None	Product function Short circuit protection	Yes
• for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V None required None r		magnetic
Design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V None required None requir	Design of the fuse link	
protection of the main circuit at 240 V at 400 V at 400 V at 500 V both 500 V at 500 V at 500 V bounting position Mounting position Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Height Width 45 mm Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — single or m	•	
at 240 V at 400 V but 400 V at 600 V but 600 V at 600 V but 600 V but 600 V at 600 V but 600 V	Design of the fuse link for IT network for short-circuit	
• at 400 V • at 500 V • at 500 V • at 690 V None required None required None required None required None required None required Installation/ mounting/ dimensions Mounting position Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Height 90 mm Width 45 mm Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit for main current circuit • for auxiliary and control current circuit Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-	protection of the main circuit	
• at 500 V • at 690 V None required None Served and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 None Total Served and Served Hell Se	● at 240 V	none required
Installation/ mounting/ dimensions Mounting position Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Height 90 mm Width Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit • for main current circuit • for main current circuit circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts with screw-type terminals • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary	● at 400 V	None required
Mounting position Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Height 90 mm Width 45 mm Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit Type of electrical connection • for main current circuit • for auxiliary and control current circuit Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with screw-type terminals • for auxiliary contacts • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary contacts • for main contacts • for main contacts • for main contac	● at 500 V	None required
Mounting type any Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Height 90 mm Width 45 mm Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit No * for main current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals Arrangement of electrical connectors for main current circuit Top and bottom * Type of connectable conductor cross-sections • for main contacts • for main contacts 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 • for auxiliary contacts 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) * Tightening torque 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) * Tightening torque • for main contacts with screw-type terminals 0.8 1.2 N·m • for auxiliary contacts with screw-type terminals 0.8 1.2 N·m * Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw • for main contacts	● at 690 V	None required
Mounting type screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Height 90 mm Width 45 mm Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit Type of electrical connection • for main current circuit • for auxiliary and control current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 — single or multi-stranded 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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	<u>~</u>	
Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — fine all yill yard contest — single or multi-stranded — for auxiliary contacts — single or multi-stranded — Single or m		
Width 45 mm Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit Type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control current circuit for main current circuit screw-type terminals Arrangement of electrical connectors for main current circuit for main contacts — single or multi-stranded single or multi-str	Mounting type	
Depth 75 mm Connections/Terminals Product function • removable terminal for auxiliary and control circuit Type of electrical connection • for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts	Height	90 mm
Product function • removable terminal for auxiliary and control circuit 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 — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 — single or multi-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	Width	45 mm
Product function • removable terminal for auxiliary and control circuit Type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 — single or multi-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 • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals Size of the screwdriver tip Design of the thread of the connection screw • for main contacts M3	Depth	75 mm
 removable terminal for auxiliary and control circuit Type of electrical connection for main current circuit for auxiliary and control current circuit Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections for main contacts single or multi-stranded for auxiliary contacts Type of connectable conductor cross-sections for auxiliary contacts single or multi-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 single or multi-stranded 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) Tightening torque for main contacts with screw-type terminals e for auxiliary contacts with screw-type terminals 0.8 1.2 N·m Size of the screwdriver tip Design of the thread of the connection screw for main contacts 		
Type of electrical connection • for main current circuit • for auxiliary and control current circuit Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 — single or multi-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 • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts	Product function	
 ◆ for main current circuit ♦ for auxiliary and control current circuit Arrangement of electrical connectors for main current circuit Top and bottom Top and bott	-	No
 for auxiliary and control current circuit Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections for auxiliary contacts — single or multi-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 — single or multi-stranded 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) Tightening torque for main contacts with screw-type terminals 0.8 1,2 N·m Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw for main contacts M3 	Type of electrical connection	
Arrangement of electrical connectors for main current circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for main contacts M3	for main current circuit	screw-type terminals
circuit Type of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 — single or multi-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 Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw • for main contacts M3	 for auxiliary and control current circuit 	screw-type terminals
 for main contacts — single or multi-stranded — finely stranded with core end processing — finely stranded conductor cross-sections — for auxiliary contacts — single or multi-stranded — single or multi-stranded — single or multi-stranded — for main contacts with screw-type terminals — for auxiliary contacts with screw-type terminals — for auxiliary contacts with screw-type terminals — Size of the screwdriver tip — Pozidriv 2 Design of the thread of the connection screw — for main contacts — for main contacts — single or multi-stranded — single or multi-st	_	Top and bottom
- single or multi-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 - single or multi-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 • for auxiliary contacts with screw-type terminals Design of the thread of the connection screw • for main contacts M3	Type of connectable conductor cross-sections	
— 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 — single or multi-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 Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw • for main contacts M3	• for main contacts	
Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-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 Design of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw • for main contacts M3	— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
 for auxiliary contacts — single or multi-stranded	— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
— single or multi-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 Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw • for main contacts M3	Type of connectable conductor cross-sections	
Tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals O.8 1.2 N·m O.8 1.2 N·m Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw • for main contacts M3	• for auxiliary contacts	
 for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals Size of the screwdriver tip Design of the thread of the connection screw for main contacts M3 	— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
● for auxiliary contacts with screw-type terminals Size of the screwdriver tip Pozidriv 2 Design of the thread of the connection screw ● for main contacts M3	Tightening torque	
Size of the screwdriver tip Design of the thread of the connection screw for main contacts M3	 for main contacts with screw-type terminals 	0.8 1.2 N·m
Design of the thread of the connection screw • for main contacts M3	• for auxiliary contacts with screw-type terminals	0.8 1.2 N·m
• for main contacts M3	Size of the screwdriver tip	Pozidriv 2
io man contact	Design of the thread of the connection screw	
• of the auxiliary and control contacts M3	• for main contacts	M3
	 of the auxiliary and control contacts 	M3

Safety related data	
B10 value	
 with high demand rate acc. to SN 31920 	5 000
Proportion of dangerous failures	
 with low demand rate acc. to SN 31920 	50 %
 with high demand rate acc. to SN 31920 	50 %
Failure rate [FIT]	
 with low demand rate acc. to SN 31920 	50 FIT
Display version	
• for switching status	Rocker switch

General Product Approval















IECEx

Declaration of Conformity

Test Certificates

Marine / Shipping



Miscellaneous

Special Test Certificate

Type Test Certificates/Test Report





Marine / Shipping

other









Confirmation

Miscellaneous

other



Further information

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-0BA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0BA15

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

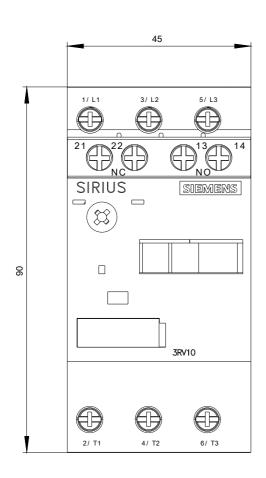
https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0BA15

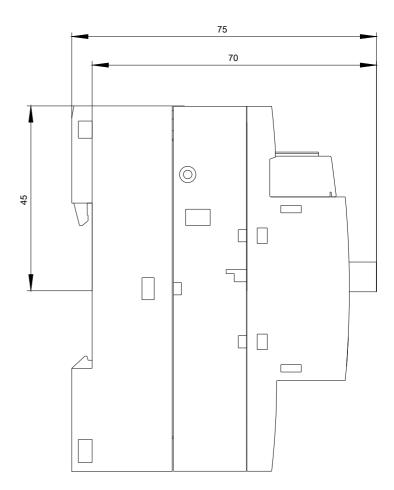
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0BA15&lang=en

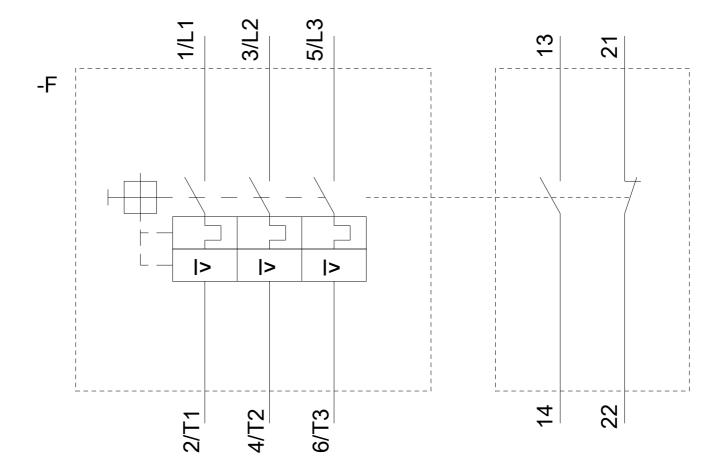
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0BA15/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0BA15&objecttype=14&gridview=view1







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