# **SIEMENS**

### Data sheet

## 3RV1011-0GA15

Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.45...0.63 A N-release 8.2 A Screw terminal Standard switching capacity 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	
<ul> <li>in networks with grounded star point between main and auxiliary circuit</li> </ul>	400 V
<ul> <li>in networks with grounded star point between main and auxiliary circuit</li> </ul>	400 V
Protection class IP	

• on the frent	IP20
• on the front	
• of the terminal	IP00
Mechanical service life (switching cycles)	400.000
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	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-	0.45 0.63 A
dependent overload release	
Operating voltage	
● rated value	690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
Operating frequency rated value	50 60 Hz
Operating current rated value	0.63 A
Operating current	_
• at AC-3	
— at 400 V rated value	0.63 A
Operating power	_
• at AC-3	
— at 230 V rated value	90 W
— at 400 V rated value	180 W
— at 500 V rated value	180 W
— at 690 V rated value	250 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
• Note	1

Number of CO contacts	
<ul> <li>for auxiliary contacts</li> </ul>	0
Operating 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
Operating current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 60 V	0.15 A

Protective and monitoring functions	
Product function	
<ul> <li>Ground fault detection</li> </ul>	No
<ul> <li>Phase failure detection</li> </ul>	Yes
Trip class	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 400 V rated value	100 000 A
• at 500 V rated value	100 000 A
• at 690 V rated value	100 000 A
Maximum short-circuit current breaking capacity (Icu)	
<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
• at AC at 400 V rated value	100 kA
• at AC at 500 V rated value	100 kA
• at AC at 690 V rated value	100 kA
Breaking capacity short-circuit current (Icn)	
• at 1 current path at DC at 150 V rated value	10 kA
<ul> <li>with 2 current paths in series at DC at 300 V rated value</li> </ul>	10 kA
<ul> <li>with 3 current paths in series at DC at 450 V rated value</li> </ul>	10 kA
Response value current	
<ul> <li>of instantaneous short-circuit trip unit</li> </ul>	8.2 A
UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	0.63 A
• at 600 V rated value	0.63 A
Contact rating of auxiliary contacts according to UL	C300 / R300

Mounting position         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           Type of electrical connection         screw-type terminals           • for main 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           - single or multi-stranded         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> ), 2x (1 4 mm <sup>3</sup> )           Type of connectable conductor cross-sections         for auxiliary contacts           • for auxiliary contacts         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> )           Type of connectable conductor cross-sections         for auxiliary contacts           • for auxiliary contacts         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> )           Type of connectable conductor cross-sections         0.8 1.2 N <sup>m</sup> • for auxiliary contacts with screw-type terminals         0.8 1.2 N <sup>m</sup> Ostar auxiliary contacts with screw-type terminals <t< th=""><th>Short-circuit protection</th><th></th></t<>	Short-circuit protection				
Design of the fuse link         fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lik < 400 A)		Yes			
• for short-circuit protection of the auxiliary switch requiredfuse g3: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Design of the short-circuit trip	magnetic			
requiredIk < 400 Å)	Design of the fuse link				
Design of the fuse link for IT network for short-circuit protection of the main dicuit         none required           • at 240 V         None required           • at 400 V         Some required           • at 600 V         gL/gG 6 A           • at 690 V         gL/gG 6 A           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/ Ferminals         Forduct function           • emovable terminal for auxiliary and control circuit         Screw-type terminals           * for main control current circuit         screw-type terminals           * for main contacts         - single or multi-stranded           • for main contacts         - single or multi-stranded           • for main contacts         - single or multi-stranded           • for auxiliary contacts         2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> )           Type of connectable conductor cross-sections         - single or multi-stranded           • for auxiliary contacts         2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )           • for auxiliary contacts         2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )           • for auxiliary contacts with screw-type terminals         2x (0.5 1.5 mm <sup>2</sup> ), 2	<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current			
protection of the main circuit         none required           • at 240 V         none required           • at 400 V         QL/GG 6 A           • at 680 V         gL/GG 6 A           • at 680 V         gL/GG 6 A           • at 680 V         ary           mounting costion         any           notaliation/ mounting/ dimensions         screw and snap- on mounting onto 35 mm standard mounting rail           Mounting type         90 mm           Height         90 mm           Vidth         45 mm           Depth         75 mm           Connections/Terminals         screw-type terminals           enerovable terminal for auxiliary and control circuit         screw-type terminals           • for main current circuit         screw-type terminals           • for auxiliary and control current circuit         screw-type terminals           • for auxiliary and control current circuit         screw-type terminals           • for auxiliary and control current circuit         screw-type terminals           • for auxiliary and control current circuit         screw-type terminals           • for auxiliary contacts         screw-type terminals           • for main contacts         screw-type terminals           • for auxiliary contactor         screw-type terminals </th <th>required</th> <td>lk &lt; 400 A)</td>	required	lk < 400 A)			
• at 240 Vnone required• at 400 VNone required• at 600 VgL/gG 6 A• at 690 VgL/gG 6 A <b>nstalizion/ nounting/ dimensions</b> anyMounting positionanyMounting typescrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715Height90 mmWidth45 mmDepth75 mmConnections/Terminalsremovable terminal for auxiliary and control circuitProduct functionscrew-type terminals• for auxiliary and control current circuit straumscrew-type terminals• for main current circuit - single or multi-stranded - finely stranded with core end processingscrew-type terminals• for main current stranded - finely stranded with core end processing - single or multi-stranded - finely stranded with core end processing - single or multi-stranded 	-				
• at 400 VNone required gL/gG 6 A gL/gG 6 A• at 690 VgL/gG 6 AInstallation/ mounting/ dimensionsany screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715Height90 mmWidth45 mmDepth75 mmConnections/Terminals75 mmConnections/Terminalsscrew-type terminals• removable terminal for auxiliary and control circuitscrew-type terminals• for main current circuitscrew-type terminals• for main contectors2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x (1 4 mm²)• for auxiliary contacts0.8 1.2 Nm• for auxiliary contacts with screw-type terminals0.8 1.2 Nm• for auxiliary contacts with screw-type terminals0.8 1.2 Nm• for auxiliary contacts with screw-type terminals0.8 1.2 Nm• f	protection of the main circuit				
• at 500 VgL/gG 8 A• at 690 VgL/gG 6 Astallation/ mounting/ dimensionsanyMounting positionanyMounting typescrew and snap-on mounting onto 35 mm standard mounting raill according to DIN EN 60715Height90 mmWidth45 mmDepth75 mmConnections/Terminalsremovable terminal for auxiliary and control circuitProduct functionscrew-type terminals• removable terminal for auxiliary and control circuitscrew-type terminalsType of electrical connectorsscrew-type terminals• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for main controlsTop and bottom• for main contacts2x (0.51.5 mm <sup>3</sup> ). 2x (0.752.5 mm <sup>3</sup> ). 2x (14 mm <sup>2</sup> )• for auxiliary contacts2x (0.51.5 mm <sup>3</sup> ). 2x (0.752.5 mm <sup>3</sup> ). 2x (14 mm <sup>2</sup> )• for auxiliary contacts2x (0.51.5 mm <sup>3</sup> ). 2x (0.752.5 mm <sup>3</sup> ).• for auxiliary contacts6.812 Nrm• for auxiliary contacts with screw-type terminals0.812 Nrm• for main contacts with screw-type terminals0.812 Nrm• for auxiliary contacts with screw-type terminalso.812 Nrm• for auxiliary contacts with screw-type terminalso.812 Nrm• for auxiliary contacts with screw-type terminalso.812 Nrm• for main contacts with screw-type terminalso.812 Nrm• for auxiliary contacts with screw-type terminalso.812 Nrm• for main contacts with screw-type termin	• at 240 V	none required			
• at 690 VgL/gG 6 Ånstallation/ mounting/ dimensionsanyMounting positionanyMounting typescrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715Height90 mmWidth45 mmDepth75 mmConnections/TerminalsForman connections/TerminalsProduct function erremovable terminal for auxiliary and control circuitNo1 for main current circuit e for main current circuitscrew-type terminals1 for main current circuit e for main current circuitscrew-type terminals1 for auxiliary and control current circuit e for main current circuitscrew-type terminals1 for auxiliary and control current circuit e for main current circuitTop and bottom1 for auxiliary and control current circuit e for main current circuitScrew-type terminals1 for auxiliary and control current circuit e for main current circuitScrew-type terminals1 for auxiliary and control current circuit e for main current circuitScrew-type terminals1 for auxiliary and control current circuit e single or multi-stranded e for auxiliary contacts e single or multi-stranded2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> ) 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )1 for auxiliary contacts e single or multi-stranded0.8 12 Nrm2 for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals0.8 12 Nrm2 for main contacts with screw-type terminals for auxiliary contacts with screw-type terminals0.8 12 Nrm	• at 400 V	None required			
nstallation/ mounting/ dimensions       any         Mounting position       any         Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715       90 mm         Width       90 mm         Depth       75 mm         Connections/Terminals       Product function         • removable terminal for auxiliary and control circuit       No         • removable terminal for auxiliary and control circuit       screw-type terminals         Type of electrical connection       screw-type terminals         • for auxiliary and control current circuit       screw-type terminals         Arrangement of electrical connectors for main current circuit       screw-type terminals         Type of connectable conductor cross-sections       • for main contacts         • single or multi-stranded       2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> ), 2x (1 4 mm <sup>3</sup> )         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> )       Type of connectable conductor cross-sections         • for auxiliary contacts	• at 500 V	gL/gG 6 A			
Mounting position         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           Type of electrical connection         screw-type terminals           • for main 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           - single or multi-stranded         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> ), 2x (1 4 mm <sup>3</sup> )           Type of connectable conductor cross-sections         for auxiliary contacts           • for auxiliary contacts         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> )           Type of connectable conductor cross-sections         for auxiliary contacts           • for auxiliary contacts         2x (0,5 1,5 mm <sup>3</sup> ), 2x (0,75 2,5 mm <sup>3</sup> )           Type of connectable conductor cross-sections         0.8 1.2 N <sup>m</sup> • for auxiliary contacts with screw-type terminals         0.8 1.2 N <sup>m</sup> Ostar auxiliary contacts with screw-type terminals <t< th=""><th>● at 690 V</th><td>gL/gG 6 A</td></t<>	● at 690 V	gL/gG 6 A			
Mounting typescrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715Height90 mmWidth45 mmDepth75 mmConnections/TerminalsProduct function • removable terminal for auxiliary and control circuitNoType of electrical connection • for main current circuitscrew-type terminalsArrangement of electrical connectors for main current circuitTop and bottomType of connectable conductor cross-sections • for multi-stranded • for auxiliary contacts — single or multi-stranded • for auxiliary contacts 	Installation/ mounting/ dimensions				
according to DIN EN 60715Height90 mmWidth45 mmDepth75 mmConnections/Terminals75 mmConnections/Terminals for auxiliary and control circuitNo• removable terminal for auxiliary and control circuitNo• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals• for main contacts- single or multi-stranded• for maxiliary contacts2x (0,5 1,5 mm³), 2x (0,75 2,5 mm³), 2x (1 4 mm³)• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm³)• for main contacts with screw-type terminals0.8 1.2 N·m• for maxiliary conta	Mounting position	any			
With         45 mm           Depth         75 mm           Connections/Terminals         Product function <ul> <li>removable terminal for auxiliary and control circuit</li> <li>removable terminal for auxiliary and control circuit</li> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>for auxiliary and control current circuit</li> <li>top and bottom</li> <li>top and bottom</li> <li>top and bottom</li> <li>for auxiliary contacts</li> <li>single or multi-stranded</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>), 2x (1 4 mm<sup>2</sup>)</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>), 2x (1 4 mm<sup>2</sup>)</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li> <li>3x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li> <li>3x (0,5 1,2 N</li></ul>	Mounting type				
Depth       75 mm         Connections/Terminals       Product function         Product function       No         • removable terminal for auxiliary and control circuit       No         Type of electrical connection       screw-type terminals         • for main current circuit       screw-type terminals         • for auxiliary and control current circuit       Top and bottom         • for auxiliary and control current circuit       Top and bottom         • for auxiliary and control current circuit       Top and bottom         • for main contacts       - single or multi-stranded         • for auxiliary contacts       0.8 1.2 N·m         • for auxiliary contacts with screw-type terminals       0.8 1.2 N·m         • for auxiliary contacts with screw-type terminals	Height	90 mm			
Product function       No         Product function       No         • removable terminal for auxiliary and control circuit       No         Type of electrical connection       screw-type terminals         • 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         - 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), 2x (1 4 mm²)       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         Type of connectable conductor cross-sections       - single or multi-stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         Type of connectable conductor cross-sections       - single or multi-stranded       2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)         Type of connectable conductor cross-sections       - single or multi-stranded       0.8 1.2 N·m         0.8 1.2 N·m       0.8 1.2 N·m       0.8 1.2 N·m         of or auxiliary contacts with screw-type terminals       0.8 1.2 N·m         of or auxiliary contacts with screw-type terminals       0.8 1.2 N·m         of or auxiliary contacts with screw-type terminals       0.8	Width	45 mm			
Product function       No         • removable terminal for auxiliary and control circuit       No         Type of electrical connection       • for main current circuit         • 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       - single or multi-stranded         - finely stranded with core end processing       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), 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         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         Type of connectable conductor cross-sections       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         Tightening torque       0.8 1.2 N·m         • for auxiliary 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       M3	Depth	75 mm			
• removable terminal for auxiliary and control circuitNoType of electrical connection • for main current circuitscrew-type terminals screw-type terminals• for auxiliary and control current circuitTop and bottomArrangement of electrical connectors for main current circuitTop and bottom• for main contactsTop and bottom• for main contacts2x (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), 2x (1 4 mm²) 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 • ningle or multi-stranded2x (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 • ningle or multi-stranded0.8 1,2 N·mfor 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 • 0.8 1,2 N·m0.8 1,2 N·mSize of the screwdriver tipPozidriv 2Design of the thread of the connection screw • for main contactsMainFor main contactsMainSize of the screwdriver tipPozidriv 2Design of the thread of the connection screw • for main contactsMainFor main contactsMainFor main contactsFor main contactsFor main contactsSize of the screwdriver tipFor main contactsFor main contactsF	Connections/Terminals				
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for main current circuitscrew-type terminalsof or auxiliary and control current circuitscrew-type terminalsArrangement of electrical connectors for main current circuitTop and bottomType of connectable conductor cross-sections of or main contactsa (0,5,,1,5,mm²), 2x (0,75,,2,5,mm²), 2x (1,,4,mm²)- single or multi-stranded - finely stranded with core end processing2x (0,5,,1,5,mm²), 2x (0,75,,2,5,mm²), 2x (1,,4,mm²)Type of connectable conductor cross-sections - finely stranded with core end processing2x (0,5,,1,5,mm²), 2x (0,75,,2,5,mm²)Type of connectable conductor cross-sections - for auxiliary contacts - single or multi-stranded2x (0,5,,1,5,mm²), 2x (0,75,,2,5,mm²)Tightening torque of or auxiliary contacts with screw-type terminals of or auxiliary contacts with screw-type terminals0.8,1,2,N·mSize of the screwdriver tippozidriv 2Design of the thread of the connection screw of or main contactsMain	-	No			
• for auxiliary and control current circuitscrew-type terminalsArrangement of electrical connectors for main current circuitTop and bottomType of connectable conductor cross-sections • for main contactsTop and bottom- single or multi-stranded - finely stranded with core end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)Type of connectable conductor cross-sections - finely stranded with core end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)Type of connectable conductor cross-sections - finely stranded with core end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)Type of connectable conductor cross-sections - single or multi-stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)Tightening torque • for auxiliary contacts with screw-type terminals • loss 1,2 N·mN:mSize of the screwdriver tipPozidriv 2Design of the thread of the connection screw • for main contactsMina	Type of electrical connection				
Arrangement of electrical connectors for main current circuitTop and bottomType of connectable conductor cross-sections • for main contacts — single or multi-stranded — finely stranded with core end processing2x (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-stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)Type of connectable conductor cross-sections • for auxiliary contacts — single or multi-stranded2x (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 contacts0.8 1.2 N·m • 0.8 1.2 N·mDesign of the thread of the connection screw • for main contactsMa	<ul> <li>for main current circuit</li> </ul>	screw-type terminals			
circuitiType of connectable conductor cross-sections• for main contacts- single or multi-stranded- finely stranded with core end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)- finely stranded with core end processing2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)- for auxiliary contacts- single or multi-stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)- single or multi-stranded2x (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• for main contacts• for main contacts<	<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals			
<ul> <li>for main contacts</li> <li>single or multi-stranded</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>), 2x (1 4 mm<sup>2</sup>)</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li> <li>Type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>- single or multi-stranded</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li> <li>3x (0,5 main contacts with screw-type terminals</li> <li>0.8 m 1.2 N·m</li> <li>0.8 m 1.2 N·m</li> <li>0.8 m 1.2 N·m</li> <li>0.8 m 1.2 N·m</li> <li>Design of the thread of the connection screw</li> <li>for main contacts</li> <li>M3</li> </ul>	-	Top and bottom			
- single or multi-stranded2x (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), 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-stranded2x (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 terminals0.8 1.2 N·mSize of the screwdriver tipPozidriv 2Design of the thread of the connection screw • for main contactsM3	Type of connectable conductor cross-sections				
finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)Type of connectable conductor cross-sections2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)Tightening torque2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)• for main contacts with screw-type terminals0.8 1.2 N·m• for auxiliary contacts with screw-type terminals0.8 1.2 N·m• for auxiliary contacts with screw-type terminals0.8 1.2 N·m• for auxiliary contacts with screw-type terminals0.8 1.2 N·m• for main contactsM3	<ul> <li>for main contacts</li> </ul>				
Type of connectable conductor cross-sections• for auxiliary contacts single or multi-strandedTightening torque• for main contacts with screw-type terminals• for auxiliary contacts with screw-type terminals• for main contacts•	— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)			
<ul> <li>for auxiliary contacts</li> <li>- single or multi-stranded</li> <li>2x (0,5 1,5 mm<sup>2</sup>), 2x (0,75 2,5 mm<sup>2</sup>)</li> <li>Tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>0.8 1.2 N·m</li> <li>0.8 1.2 N·m</li> <li>Size of the screwdriver tip</li> <li>Pozidriv 2</li> <li>Pozidriv 2</li> </ul>	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
single or multi-stranded2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)Tightening torque0.8 1.2 N·m• for main contacts with screw-type terminals0.8 1.2 N·m• for auxiliary contacts with screw-type terminals0.8 1.2 N·mSize of the screwdriver tipPozidriv 2Design of the thread of the connection screwM3	Type of connectable conductor cross-sections				
Tightening torque       0.8 1.2 N·m         • 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       M3	<ul> <li>for auxiliary contacts</li> </ul>				
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>Size of the screwdriver tip</li> <li>Pozidriv 2</li> <li>Design of the thread of the connection screw         <ul> <li>for main contacts</li> <li>M3</li> </ul> </li> </ul>	— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)			
• for auxiliary contacts with screw-type terminals     O.8 1.2 N·m     Pozidriv 2     Design of the thread of the connection screw     • for main contacts     M3	Tightening torque				
Size of the screwdriver tip     Pozidriv 2       Design of the thread of the connection screw     M3	<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m			
Design of the thread of the connection screw     o for main contacts     M3	<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m			
• for main contacts M3	Size of the screwdriver tip	Pozidriv 2			
	Design of the thread of the connection screw				
A of the sumiliary and control contacts	● for main contacts	M3			
In the auxiliary and control contacts	<ul> <li>of the auxiliary and control contacts</li> </ul>	M3			

Safety related data					
B10 value					
• with high demand rate acc. to SN 31920		5 000			
Proportion of dangerous failures					
<ul> <li>with low demand rate acc. to SN 31</li> </ul>	920	50 %			
<ul> <li>with high demand rate acc. to SN 3<sup>-</sup></li> </ul>	1920	50 %			
Failure rate [FIT]					
<ul> <li>with low demand rate acc. to SN 31</li> </ul>	920	50 FIT			
Display version					
<ul> <li>for switching status</li> </ul>		Rocker switch			
Certificates/approvals					
General Product Approval			For use in haza	rdous locations	
		EAC	<b>Ex</b> ATEX	IECEX	
Declaration of Conformity	Declaration of Conformity Test Certific		Marine / Shippi	ng	
Miscellaneous EG-Konf.	Special Test ( ficate	Certi- Type Test Certific- ates/Test Report	ABS	B U R E A U V E R I T A S	
Marine / Shipping			other		
LIRS RINA	RMRS	DNVGL.COM/AF	Miscellaneous	Confirmation	
other					
VDE					
Further information Information- and Downloadcenter (Catalo					

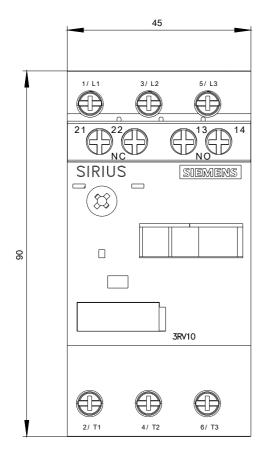
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0GA15

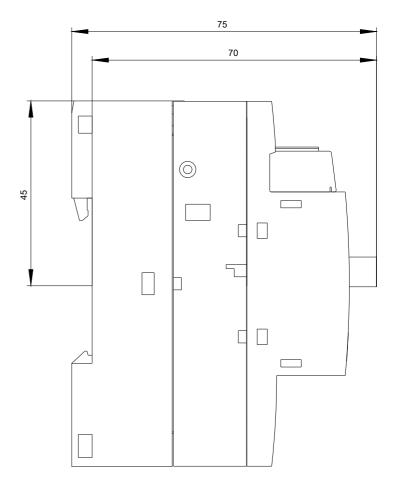
#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0GA15

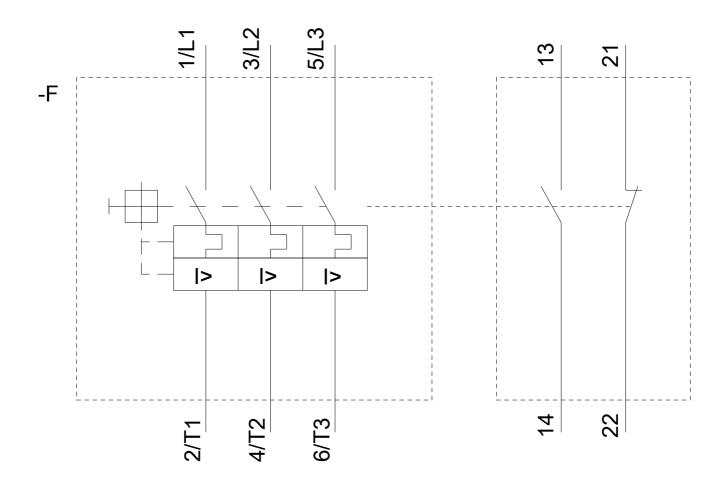
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-0GA15&lang=en

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0GA15/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0GA15&objecttype=14&gridview=view1







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