# **SIEMENS**

## Data sheet

## 3RV1011-1DA15

CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL.2.2...3.2A, N REL.42A, 1NO + 1NC TRANSVERSE, SCREW CONN., STANDARD BREAKING CAPAC.



Figure similar

product brandname	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	6 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</li> </ul>	400 V
main and auxiliary circuit	
<ul> <li>in networks with grounded star point between</li> </ul>	400 V
main and auxiliary circuit	
	400 V

Protection class IP	
• on the front	IP20
• of the terminal	IP00
Mechanical service life (switching cycles)	
<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
Type of protection	Increased safety
Protection against electrical shock	finger-safe
Equipment marking acc. to DIN EN 81346-2	Q
Ambient conditions	
Ambient temperature	
during operation	-20 +60 °C
<ul> <li>during storage</li> </ul>	-50 +80 °C
<ul> <li>during transport</li> </ul>	-50 +80 °C
Temperature compensation	-20 +60 °C
Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current- dependent overload release	2.2 3.2 A
Operating voltage	
<ul> <li>rated value</li> </ul>	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	3.2 A
Operating current	
• at AC-3	
— at 400 V rated value	3.2 A
Operating power	
● at AC-3	
— at 230 V rated value	550 W
— at 400 V rated value	1 100 W
— at 500 V rated value	1 500 W
— at 690 V rated value	2 200 W
Operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
Design of the auxiliary switch	transverse
Number of NC contacts	
<ul> <li>for auxiliary contacts</li> </ul>	1

− Note       1         Number of NC contacts       1         - For auxiliary contacts       1         Number of CO contacts       0         Operating current of auxiliary contacts at AC-15       0         - at 24 V       2 A         - at 110 V       2 A         - at 120 V       2 A         - at 120 V       2 A         - at 120 V       2 A         - at 24 V       2 A         - at 25 V       2 A         - at 24 V       0.5 A         Operating current of auxiliary contacts at DC-13       -         - at 60 V       0.15 A         Protective and monitoring functions       Product function         Product function       No         • Brobesitive and monitoring functions       Ves         Product function       No         • at 60 V       0.15 A         Design of the overload release       thermal         Operational short-circuit current breaking capacity (los) at AC       100 000 A         • at 420 V rated value       100 000 A         • at 420 V rated value       2000 A         • at 420 V rated value       100 000 A         • at 400 V rated value       2000 A         • at 400 V rated value		
• for auxiliary contacts       1         — Note       1         Number of CO contacts       0         • for auxiliary contacts       0         Operating current of auxiliary contacts at AC-15       0         • at 24 V       2A         • at 110 V       2A         • at 120 V       2A         • at 120 V       2A         • at 230 V       0.5A         Operating current of auxiliary contacts at DC-13       1A         • at 24 V       1A         • at 24 V       0.15 A         Protective and monitoring functions       Protective and monitoring functions         Protective and monitoring functions       Ves         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (tos) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 420 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value<	— Note	1
- Note       1         Number of CO contacts       0         • for auxiliary contacts at AC-15       0         • at 24 V       2 A         • at 110 V       2 A         • at 120 V       2 A         • at 230 V       0.5 A         Operating current of auxiliary contacts at DC-13       •         • 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         • Ground fault detection       Yes         Trip class       CLASS 10         Design of the overload release       thermail         Operational short-circuit current breaking capacity (ics) at 4C       100 000 A         • at 240 V rated value       100 000 A         • at 240 V rated value       100 000 A         • at 400 V rated value       2000 A         • at 60 V vrated value       200 A         • at 60 V vrated value       200 A         • at 60 V vrated value       100 kA         • at 400 V rated value       200 A         • at 60 V vrated value       200 A         • at AC at 400 V rated value       304 A <td>Number of NO contacts</td> <td></td>	Number of NO contacts	
Number of CO contacts       0         Operating current of auxiliary contacts at AC-15       2         • at 24 V       2         • at 110 V       2         • at 110 V       2         • at 120 V       2         • at 125 V       2         • at 230 V       0.5         Operating current of auxiliary contacts at DC-13	<ul> <li>for auxiliary contacts</li> </ul>	1
• for auxiliary contacts       0         Operating current of auxiliary contacts at AC-15       2         • at 24 V       2         • at 110 V       2         • at 125 V       2         • at 125 V       2         • at 230 V       0.5         Operating current of auxiliary contacts at DC-13       -         • at 24 V       1         • at 60 V       0.15 A         Product function       No         • Cround fault detection       Yes         Trip class       CLASS 10         Design of the overload release       thermal         Operating and trained value       100 000 A         • at 240 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 600 V rated value       2000 A         • at 610 V rated value       100 kA         • at 62 420 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at	— Note	1
Operating current of auxiliary contacts at AC-15       2 A         • at 24 V       2 A         • at 110 V       2 A         • at 120 V       2 A         • at 120 V       2 A         • at 120 V       2 A         • at 230 V       0.5 A         Operating current of auxiliary contacts at DC-13       0.5 A         • at 24 V       1 A         • at 60 V       0.15 A         Product function       V         • Ground fault detection       No         • Phase failure detection       Yees         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (Ics) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 400 V rated value       100 kA         • at 600 V rated value       100 kA         • at 6100 V rated value       100 kA         • at 62 t 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       10 kA <td>Number of CO contacts</td> <td></td>	Number of CO contacts	
<ul> <li>at 24 V</li> <li>at 110 V</li> <li>at 110 V</li> <li>at 120 V</li> <li>at 125 V</li> <li>at 125 V</li> <li>at 230 V</li> <li>0.5 A</li> <li>Operating current of auxiliary contacts at DC-13</li> <li>at 24 V</li> <li>at 60 V</li> <li>0.15 A</li> <li>Protective and monitoring functions</li> <li>Product function</li> <li>Ground fault detection</li> <li>Yes</li> <li>Trip class</li> <li>CLASS 10</li> <li>Design of the overload release</li> <li>Operational short-circuit current breaking capacity (tcs) at AC</li> <li>at 240 V rated value</li> <li>at 000 00 A</li> <li>at 240 V rated value</li> <li>at 000 A</li> <li>at 240 V rated value</li> <li>at 200 V rated value</li> <li>at 600 V</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at AC at 400 V rated value</li> <li>back</li> <li>at AC at 400 V rated value</li> <li>back</li> <li>at AC at 500 V rated value</li> <li>back</li> <li>at AC at 500 V rated value</li> <li>back</li> <li>back at 500 V rated value</li> <li>back</li></ul>	<ul> <li>for auxiliary contacts</li> </ul>	0
at 110 V2 A• at 120 V2 A• at 125 V2 A• at 230 V0.5 AOperating current of auxiliary contacts at DC-13• at 24 V1 A• at 60 V0.15 AProduct functionProduct function• Ground fault detection• Prase failure detectionYesTrip classCLASS 10Design of the overload releasethermalOperational short-circuit current breaking capacity (tos) at AC100 000 A• at 240 V rated value100 000 A• at 400 V rated value2000 A• at 600 V rated value2000 A• at 600 V rated value100 kA• at 600 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 4500 V rated value10 kA <td>Operating current of auxiliary contacts at AC-15</td> <td></td>	Operating current of auxiliary contacts at AC-15	
at 120 V2 Aat 120 V2 Aat 125 V2 Aat 25 V0.5 AOperating current of auxiliary contacts at DC-13at 24 V1 Aat 60 V0.15 AProduct functionProduct function• Ground fault detection• Ground fault detectionYesTrip classCLASS 10Design of the overload releasethermalOperational short-circuit current breaking capacity (tes) at AC100 000 A• at 240 V rated value100 000 A• at 400 V rated value2000 A• at 600 V rated value2000 A• at 600 V rated value100 kA• at 600 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value2 kABreeking capacity (ten)10 kA• at AC at 690 V rated value2 kABreeking capacity trent paths in series at DC at 300 V10 kA• with 2 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in serie	● at 24 V	2 A
• at 125 V       2 A         • at 230 V       0.5 A         Operating current of auxiliary contacts at DC-13       1         • at 24 V       1.A         • at 60 V       0.15 A         Protective and monitoring functions       Product function         • Ground fault detection       Yes         • Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (los) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 600 V rated value       100 000 A         • at 600 V rated value       100 kA         • at 600 V rated value       2 000 A         Maximum short-circuit current breaking capacity (lcu)       •         • at AC at 240 V rated value       100 kA         • at AC at 2500 V rated value       100 kA         • at AC at 2500 V rated value       100 kA         • at AC at 6800 V rated value       10 kA         • at AC at 6800 V rated value       10 kA         • at AC at	● at 110 V	2 A
e at 230 V       0.5 A         Operating current of auxiliary contacts at DC-13       1 A         • at 24 V       1 A         • at 60 V       0.15 A         Protective and monitoring functions       Protective and monitoring functions         Protective and monitoring functions       Ves         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (Ics) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 240 V rated value       100 000 A         • at 500 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 500 V rated value       100 kA         • at 630 V rated value       2000 A         Maximum short-circuit current breaking capacity (Icu)       • at AC at 240 V rated value         • at AC at 240 V rated value       100 kA         • at AC at 240 V rated value       100 kA         • at AC at 260 V rated value       100 kA         • at AC at 260 V rated value       100 kA         • at AC at 260 V rated value       10 kA         • at AC at 260 V rated value       10 kA         • at AC at 500 V rated value       10 kA         • at AC at 600 V r	● at 120 V	2 A
Operating current of auxiliary contacts at DC-13       1 A         • at 24 V       1 A         • at 60 V       0.15 A         Protective and monitoring functions       Protective and monitoring functions         Product function       No         • Ground fault detection       Yes         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (les) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 690 V rated value       2000 A         Maximum short-circuit current breaking capacity (les)       400 kA         • at 600 V rated value       100 kA         • at AC at 240 V rated value       100 kA         • at AC at 240 V rated value       100 kA         • at AC at 240 V rated value       100 kA         • 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 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       10 kA         • at AC at 500 V rated value       10 kA         • at AC at 500 V rated value	• at 125 V	2 A
• at 24 V       1 A         • at 60 V       0.15 A         Protective and monitoring functions         Product function         • Ground fault detection         • Phase failure detection         • Phase failure detection         Yes         Trip class         CLASS 10         Design of the overload release         thermal         Operational short-circuit current breaking capacity (tcs) at AC         • at 240 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 400 V rated value       2000 A         • at 500 V rated value       100 kA         • at 690 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • 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 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       10 kA         • at AC at 500 V rated value       10 kA         • at AC at 500 V rated value       10 kA         • at AC at 500 V ra	• at 230 V	0.5 A
• at 60 V       0.15 A         Product function       •         • Ground fault detection       No         • Phase failure detection       Yes         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (lcs) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 400 V rated value       100 000 A         • at 500 V rated value       2 000 A         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       2 000 A         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • 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 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       10 kA         • at AC at 500 V rated value       10 kA         • at AC at 690 V rated value <t< td=""><td>Operating current of auxiliary contacts at DC-13</td><td></td></t<>	Operating current of auxiliary contacts at DC-13	
Protective and monitoring functions       Product function     No       • Ground fault detection     Yes       Trip class     CLASS 10       Design of the overload release     thermal       Operational short-circuit current breaking capacity (Ics) at AC     100 000 A       • at 240 V rated value     100 000 A       • at 400 V rated value     100 000 A       • at 500 V rated value     2 000 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 400 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 690 V rated value     2 kA       Breaking capacity short-circuit current (Icn)     10 kA       • at AC at 690 V rated value     10 kA       • with 2 current paths in series at DC at 300 V rated value     10 kA       • with 3 current paths in series at DC at 450 V rated value     10 kA       • with 3 current paths in series at DC at 450 V rated value     10 kA	• at 24 V	1 A
Product function       No         • Ground fault detection       Yes         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (Ics) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 400 V rated value       2000 A         • at 690 V rated value       2000 A         • at 690 V rated value       100 kA         • 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 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       10 kA         • at AC at 690 V rated value       2 kA         Breaking capacity short-circuit current (Icn)       10 kA         • at 1 current paths in series at DC at 300 V       10 kA         • with 2 current paths in series at DC at 450 V       10 kA         • with 3 current paths in series at DC at 450 V       10 kA         • with 3 current paths in series	• at 60 V	0.15 A
Product function       No         • Ground fault detection       Yes         Trip class       CLASS 10         Design of the overload release       thermal         Operational short-circuit current breaking capacity (Ics) at AC       100 000 A         • at 240 V rated value       100 000 A         • at 400 V rated value       2000 A         • at 690 V rated value       2000 A         • at 690 V rated value       100 kA         • 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 500 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       10 kA         • at AC at 690 V rated value       2 kA         Breaking capacity short-circuit current (Icn)       10 kA         • at 1 current paths in series at DC at 300 V       10 kA         • with 2 current paths in series at DC at 450 V       10 kA         • with 3 current paths in series at DC at 450 V       10 kA         • with 3 current paths in series	Protective and monitoring functions	
• Ground fault detectionNo• Phase failure detectionYesTrip classCLASS 10Design of the overload releasethermalOperational short-circuit current breaking capacity (Ics) at AC100 000 A• at 240 V rated value100 000 A• at 400 V rated value3000 A• at 690 V rated value2 000 A• at 690 V rated value100 kA• at 62 at 240 V rated value100 kA• at 690 V rated value2 000 A• at 690 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value2 kA• at AC at 690 V rated value2 kA• at AC at 690 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V <td< td=""><td></td><td></td></td<>		
• Phase failure detectionYesTrip classCLASS 10Design of the overload releasethermalOperational short-circuit current breaking capacity (Ics) at AC100 000 A• at 240 V rated value100 000 A• at 240 V rated value100 000 A• at 500 V rated value2 000 A• at 690 V rated value2 000 A• at AC at 240 V rated value100 kA• at AC at 240 V rated value2 000 A• at Gal V rated value2 000 A• at AC at 240 V rated value100 kA• at AC at 500 V rated value10 kA• at AC at 600 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series		Νο
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Design of the overload releasethermalOperational short-circuit current breaking capacity (ics) at ACthermal• at 240 V rated value100 000 A• at 400 V rated value100 000 A• at 400 V rated value3 000 A• at 500 V rated value2 000 A• at 690 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value2 kABreaking capacity short-circuit current (Icn) • at 1 current paths in series at DC at 300 V rated value10 kA• with 2 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• With 3 current paths in series at DC at 450 V rated value10 kA• With 3 current paths in series at DC at 450 V rated value10 kA		
Operational short-circuit current breaking capacity (Ics) at AC100 000 A• at 240 V rated value100 000 A• at 400 V rated value100 000 A• at 500 V rated value3 000 A• at 690 V rated value2 000 A• at 690 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value2 kABreaking capacity short-circuit current (Icn)10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• With 3 current paths in series at DC at 450 V rated value10 kA• With 3 current paths in series at DC at 450 V rated value10 kA		
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• at 400 V rated value100 000 A• at 500 V rated value3 000 A• at 690 V rated value2 000 A• at 690 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value2 kABreaking capacity short-circuit current (Icn)10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA		
• at 500 V rated value3 000 A• at 690 V rated value2 000 AMaximum short-circuit current breaking capacity (lcu)0 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value3 kA• at AC at 690 V rated value2 kABreaking capacity short-circuit current (lcn)0 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA	• at 240 V rated value	100 000 A
<ul> <li>at 600 V rated value</li> <li>at 690 V rated value</li> <li>at AC at 240 V rated value</li> <li>at AC at 240 V rated value</li> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>at AC at 690 V rated value</li> <li>breaking capacity short-circuit current (Icn)</li> <li>at 1 current path at DC at 150 V rated value</li> <li>with 2 current paths in series at DC at 300 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> <li>With 3 current paths in series at DC at 450 V</li> </ul>	• at 400 V rated value	100 000 A
Maximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value3 kA• at AC at 690 V rated value2 kABreaking capacity short-circuit current (Icn)10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA• With 3 current paths in series at DC at 450 V10 kA	• at 500 V rated value	3 000 A
<ul> <li>at AC at 240 V rated value</li> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>breaking capacity short-circuit current (Icn)</li> <li>at 1 current path at DC at 150 V rated value</li> <li>with 2 current paths in series at DC at 300 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>bread value</li> </ul>	• at 690 V rated value	2 000 A
<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>2 kA</li> </ul> Breaking capacity short-circuit current (Icn) <ul> <li>at 1 current path at DC at 150 V rated value</li> <li>with 2 current paths in series at DC at 300 V</li> <li>rated value</li> <li>with 3 current paths in series at DC at 450 V</li> <li>to kA</li> </ul> UL/CSA ratings	Maximum short-circuit current breaking capacity (Icu)	
<ul> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>2 kA</li> </ul> Breaking capacity short-circuit current (Icn) <ul> <li>at 1 current path at DC at 150 V rated value</li> <li>with 2 current paths in series at DC at 300 V</li> <li>rated value</li> <li>with 3 current paths in series at DC at 450 V</li> <li>rated value</li> </ul> UL/CSA ratings	• at AC at 240 V rated value	100 kA
• at AC at 690 V rated value       2 kA         Breaking capacity short-circuit current (Icn)       10 kA         • at 1 current path at DC at 150 V rated value       10 kA         • with 2 current paths in series at DC at 300 V rated value       10 kA         • with 3 current paths in series at DC at 450 V rated value       10 kA         • with 3 current paths in series at DC at 450 V rated value       10 kA         • With 3 current paths in series at DC at 450 V rated value       10 kA	• at AC at 400 V rated value	100 kA
Breaking capacity short-circuit current (Icn)       10 kA         • at 1 current path at DC at 150 V rated value       10 kA         • with 2 current paths in series at DC at 300 V rated value       10 kA         • with 3 current paths in series at DC at 450 V rated value       10 kA         • with 3 current paths in series at DC at 450 V       10 kA         UL/CSA ratings       UL/CSA ratings	• at AC at 500 V rated value	3 kA
<ul> <li>at 1 current path at DC at 150 V rated value</li> <li>with 2 current paths in series at DC at 300 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>UL/CSA ratings</li> </ul>	• at AC at 690 V rated value	2 kA
<ul> <li>with 2 current paths in series at DC at 300 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>with 3 current paths in series at DC at 450 V</li> <li>UL/CSA ratings</li> </ul>	Breaking capacity short-circuit current (Icn)	
rated value     • with 3 current paths in series at DC at 450 V     10 kA       UL/CSA ratings	• at 1 current path at DC at 150 V rated value	10 kA
with 3 current paths in series at DC at 450 V rated value UL/CSA ratings	-	10 kA
	• with 3 current paths in series at DC at 450 V	10 kA
Full-load current (FLA) for three-phase AC motor		
	Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value 3.2 A	• at 480 V rated value	3.2 A

Contact rating of auxiliary contacts according to UL	C300 / R300
— at 575/600 V rated value	2 hp
— at 460/480 V rated value	1.5 hp
— at 220/230 V rated value	0.75 hp
— at 200/208 V rated value	0.5 hp
<ul> <li>for three-phase AC motor</li> </ul>	
— at 230 V rated value	0.25 hp
— at 110/120 V rated value	0.1 hp
<ul> <li>for single-phase AC motor</li> </ul>	
Yielded mechanical performance [hp]	
• at 600 V rated value	3.2 A

Short-circuit protection	
Product function Short circuit protection	Yes
Design of the short-circuit trip	magnetic
Design of the fuse link	
<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
required	lk < 400 A)
Design of the fuse link for IT network for short-circuit	
protection of the main circuit	
• at 240 V	none required
● at 400 V	gL/gG 40 A
• at 500 V	gL/gG 35 A
• at 690 V	gL/gG 35 A
Installation/ mounting/ dimensions	
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	81 mm
Connections/Terminals	
Product function	
<ul> <li>removable terminal for auxiliary and control</li> </ul>	No
circuit	
Type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Arrangement of electrical connectors for main current	Top and bottom
circuit	

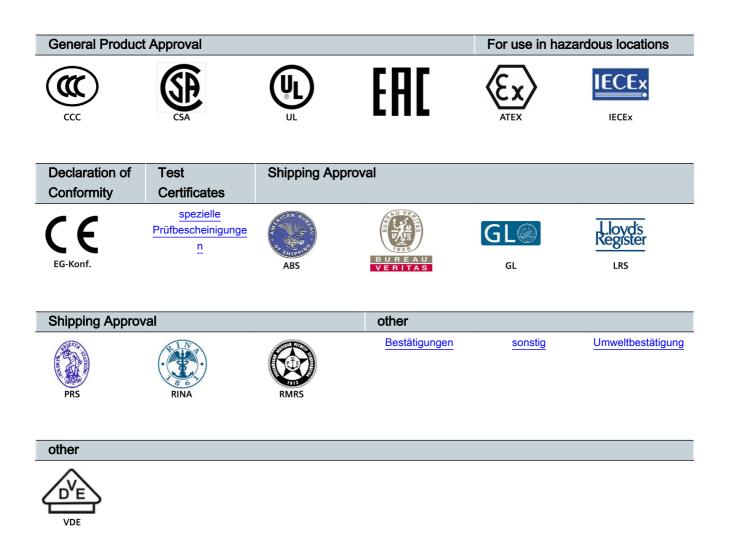
2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), 2x (1 ... 4 mm²)

Type of connectable conductor cross-sections

- single or multi-stranded

• for main contacts

— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
Type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
Tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
Safety related data	
B10 value	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	5 000
Proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	50 %
• with high demand rate acc. to SN 31920	50 %
Failure rate [FIT]	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	50 FIT
Display version	
• for switching status	Rocker switch
Certificates/approvals	



#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

#### Industry Mall (Online ordering system)

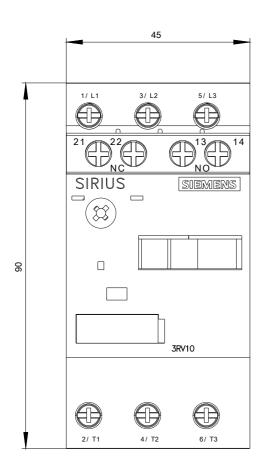
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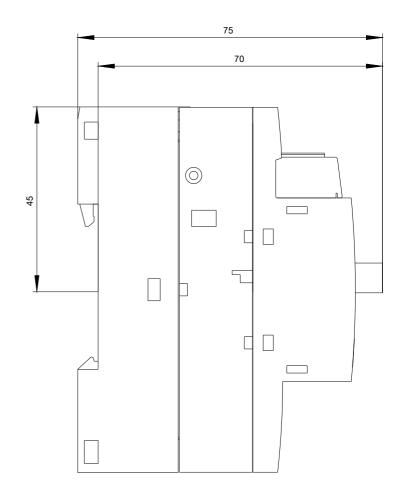
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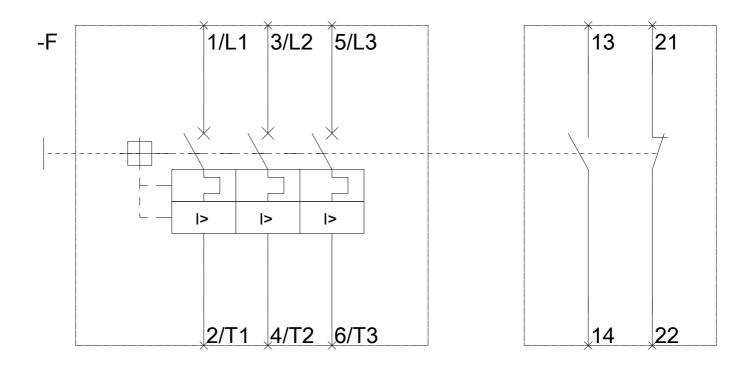
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1DA15

#### Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1DA15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-1DA15&lang=en







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