## SIEMENS

## Data sheet

## 3RV2011-1FA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 3.5...5 A N release 65 A screw terminal Standard switching capacity

4/12 6/13	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	7.25 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.4 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000
electrical endurance (operating cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	3.5 5 A
operating voltage	
rated value	20 690 V
• at AC-3 rated value maximum	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operating frequency rated value	50 60 Hz
operational current rated value	5 A

operating prover         5 A		
• Al AC 3e at 400 V rated value5 Aoperating provi-• at XAO 3-• at XAO 3-• at XAO 3 V rated value15 KN• at 300 V rated value2 XN• at 300 V rated value4 KN• at 320 V rated value4 KN• at 320 V rated value11 KN• at 320 V rated value11 KN• at 320 V rated value4 KN• at 320 V rated value2 XN• at 320 V rated value15 KN• at 320 V rated value2 XN• at 320 V rated value3 Sr• at 320 V rated value2 XN• at 320 V rated value2 XN• at 320 V rated value3 Sr• at 320 V rated value10 Sr <trr>• at 320 V rated value<t< td=""><td>operational current</td><td></td></t<></trr>	operational current	
operating prover         • at XO-3           - at ZO V traited value         1.1 NV           - at ZO V traited value         1.5 NV           - at ZO V traited value         2.2 NV           - at ZO V traited value         4 NV           - at ZO V traited value         4 NV           - at ZO V traited value         1.5 NV           - at ZO V traited value         1.1 NV           - at ZO V traited value         1.5 NV           - at ZO V traited value         1.5 NV           - at ZO V traited value         2.2 NV           - at ZO V traited value         2.2 NV           - at ZO V traited value         2.2 NV           - at ZO V traited value         1.5 th           Auxilized Catuli         0           number of NC contacts for auxilizy contacts         0           number of NC contacts for auxilizy contacts         0           orginand fault detection         No           • protect function         Ves           • at ACC at ZOV V rated value         100 LA           • at ACC at ZOV V rated value         100 LA           • at ACC at ZOV V rated value         100 LA           • at ACC at ZOV V rated value         100 LA           • at ACC at ZOV V rated value         100 LA		
• ai AC-3     •       • ai 400 V rade value     1.1 MV       • ai 400 V rade value     2.2 MV       • ai 400 V rade value     4.WV       • ai 400 V rade value     4.WV       • ai 400 V rade value     1.1 MV       • ai 400 V rade value     1.1 MV       • ai 400 V rade value     2.2 MV       • ai 400 V rade value     2.0 MV       • ai 400 V rade value     0       • ai 400 V rade value     0       • ai 400 V rade value     0       • ai 400 T rade value     0       • ai 400 V rade value     0       • proved fait detection     Yes       • proved fait detection     Yes       • proved fait detection     100 VA       • ai AC ai 400 V rade value     100 VA       • ai AC ai 600 V rade value     100 VA       • ai AC ai 600 V rade value     100 VA       • ai AC ai 600 V rade value     100 VA       • ai 400 V rade value     100 VA       • ai 400 V rade value     100 VA       • ai 400 V rade value	at AC-3e at 400 V rated value	5 A
- af 400 V radet value15 kW- af 500 V radet value4 kW- af 320 V radet value11 kW- af 320 V radet value11 kW- af 400 V radet value12 kW- af 400 V radet value22 kW- af 400 V radet value22 kW- af 400 V radet value22 kW- af 400 V radet value4 kW- af 400 V radet value22 kW- af 400 V radet value0- af 400 V radet value00 kA- af 400 V radet value100 kA- af 400 V radet value5 A- af 400 V radet value <td>• at AC-3</td> <td></td>	• at AC-3	
	— at 230 V rated value	1.1 kW
	— at 400 V rated value	1.5 kW
	— at 500 V rated value	2.2 kW
	— at 690 V rated value	4 kW
	● at AC-3e	
	— at 230 V rated value	1.1 kW
− at 880 V rated value     4 kW       oparating frequency     15 th       • at AC3e maximum     15 th       • at AC3e maximum     15 th       number of NC contacts for auxiliary contacts     0       opdatt function     0       • opdate function     0       • opdate function     Ves       • opdate function     CLASS 10       • opdate function     Ves       • 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 400 V rated value     100 KA       • at 400 V rated value     100 KA       • at 600 V rated value     5 A       • at 600 V rated value <td>— at 400 V rated value</td> <td>1.5 kW</td>	— at 400 V rated value	1.5 kW
operating frequency         15 1/h           • at AC-3 maximum         0           number of NC contacts for auxiliary contacts         0           • argound foult detection         0           • opticates and monitoring functions         •           Product function         •           • opticate failure detection         Yas           • opticate failure detection         Yas           • opticate failure detection         Yas           • 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 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 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 600 V rated value         5 A	— at 500 V rated value	2.2 kW
• et AC-3 maximum     15 /th       • at AC-36 maximum     15 /th       • AC-36 maximum     15 /th       • AC-36 maximum     15 /th       • AC-36 maximum     0       • number of NC contacts for auxiliary contacts     0       • unther of NC contacts for auxiliary contacts     0       • product function     0       • ground fault detection     Yes       • optasa failure detection     Yes       • optasa failure detection     Yes       • 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 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 400 V rated value     5 A       • at 400 V rated value     5 A       • at 400 V rated value     5 A       • at 400 V rated value     5 A <t< td=""><td>— at 690 V rated value</td><td>4 kW</td></t<>	— at 690 V rated value	4 kW
• at AC-3e maximum     15 1/h       Auxilary contacts for auxiliary contacts     0       number of NC contacts for auxiliary contacts     0       Protective auto for CO contacts for auxiliary contacts     0       Protective auto for CO contacts for auxiliary contacts     0       Protective auto for CO contacts for auxiliary contacts     0       Protective auto for CO contacts for auxiliary contacts     0       • groun findle detection     No       • orgound findle detection     No       • orgound findle detection     No       • disting of the overload release     Elemal       maximum short-ficult current breaking capacity (tcu)     • at AC at 500 V rated value       • at AC at 500 V rated value     100 tA       • at AC at 500 V rated value     100 tA       • at AC at 500 V rated value     100 tA       • at AC at 500 V rated value     100 tA       • at 400 V rated value     100 tA       • at 400 V rated value     100 tA       • at 600 V rated value     100 tA       • at 600 V rated value     100 tA       • at 600 V rated value     5 A       • at 600 V rated value     5 A <td>operating frequency</td> <td></td>	operating frequency	
Auxiliary circuit     0       number of NC contacts for auxiliary contacts     0       number of CO contacts for auxiliary contacts     0       Protective and monitoring functions     0       product function     No       • ground fault detection     Yes       trip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (fcu)     • at AC at 240 V rated value       • at AC at 400 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC 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 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     5 A       • at 600 V rated value	• at AC-3 maximum	15 1/h
number of NC contacts for auxiliary contacts         0           number of NO contacts for auxiliary contacts         0           product function         0           regrand fault detection         No           • ground fault detection         Yes           thip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (tcu)         100 kA           • at Ac at 200 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 600 V rated value         100 kA           • at 40 V rated value         100 kA           • at 40 V rated value         100 kA           • at 40 V rated value         100 kA           • at 600 V rated value         100 kA           • at 600 V rated value         5 A           • at 600 V rated value         5 A <td>• at AC-3e maximum</td> <td>15 1/h</td>	• at AC-3e maximum	15 1/h
number of NO contacts for auxiliary contacts         0           number of CO contacts for auxiliary contacts         0           Product function         0           product function         0           org organization contacting functions         0           product function         Yes           organization contacts for auxiliary contacts         0           organization contact forganization contact forganization contact forganization contact forganization contact forgani	Auxiliary circuit	
number of CO contacts for auxiliary contacts     0       Product function     •       or product function     Yes       • op pase failure detection     Yes       design of the overload release     thermal       maximum short-circuit current breaking capacity (icu)     •       • at AC at 400 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 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at 400 V rated value     5 A       • at 600 V rated value     5 A       • at	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions       product function       • ground failt detection       • ground failt detection       Yes       CLASS 10       design of the overload release       maximum short-circuit current breaking capacity (icu)       • at AC at 240 V rated value       • at AC at 500 V rated value       • at AC at 500 V rated value       • at AC at 600 V rated value       • at 400 V rated value       • at 600 V rated value       • at 600 V rated value       • at 400 V rated value       • at 600 V rated value       • at 400 V rated value <td>number of NO contacts for auxiliary contacts</td> <td>0</td>	number of NO contacts for auxiliary contacts	0
product function     No       • ground fault detection     No       • phase Enlare detection     Yes       trip class     CLASS 10       design of the overload release     themal       maximum short-circuit current breaking capacity (lcu)     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     00 kA       • at AC at 600 V rated value     00 kA       • at AC at 600 V rated value     00 kA       • at 420 V rated value     00 kA       • at 420 V rated value     00 kA       • at 4500 V rated value     100 kA       • at 4500 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 400 V rated value     5 A       • at 400 V rated value     0.17 hp       - at 220/280 V rated value     1 hp       - at 220/280 V rate	number of CO contacts for auxiliary contacts	0
• ground fault detection Yes • phase failure detection Yes fup class design of the overload release thermal 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 500 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 5A <b>VLCSA ratings</b> <b>Tullead current (ICLA) for 3-phase AC motor</b> • at 480 V rated value 5A • at 600 V rated value 7 • at 200/208 V rated value 7 • at 200/208 V rated value 7 • at 600 V • at 600 V	Protective and monitoring functions	
• phase failure detection     Yes       trip class     CLASS 10       design of the overload release     thermal       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 500 V rated value     100 kA       • at AC at 500 V rated value     6 kA       operating short-circuit current breaking capacity (Ics) at AC     • at AC at 600 V rated value       • at 240 V rated value     100 kA       • at 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     5 A       UL/CSA ratings     5 A       full-load current (FLA) for 3-phase AC motor     • at 600 V rated value       • at 600 V rated value     5 A       • at 100 / 20 V rated value     5 A       • at 600 V rated value     0.5 hp       • at 600 V rated value     0.5 hp       • at 600 V rated value     0.5 hp       • at 600 V rated value     1 hp       - at 200/200 V rated value     1 hp       - at 200/200 V rated value     3 hp       Short-circuit protection     Yes       design of the short-circuit fr	product function	
• phase failure detection     Yes       trip class     CLASS 10       design of the overload release     thermal       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 500 V rated value     100 kA       • at AC at 500 V rated value     6 kA       operating short-circuit current breaking capacity (Ics) at AC     • at AC at 600 V rated value       • at 240 V rated value     100 kA       • at 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     5 A       UL/CSA ratings     5 A       full-load current (FLA) for 3-phase AC motor     • at 600 V rated value       • at 600 V rated value     5 A       • at 100 / 20 V rated value     5 A       • at 600 V rated value     0.5 hp       • at 600 V rated value     0.5 hp       • at 600 V rated value     0.5 hp       • at 600 V rated value     1 hp       - at 200/200 V rated value     1 hp       - at 200/200 V rated value     3 hp       Short-circuit protection     Yes       design of the short-circuit fr	<ul> <li>ground fault detection</li> </ul>	No
trip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (icu)     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     6 kA       operating short-circuit current breaking capacity (ics) at AC     100 kA       • at 240 V rated value     100 kA       • at 240 V rated value     100 kA       • at 600 V rated value     5 A       response value current of instantaneous short-circuit trip unit     65 A       UL/CSA ratings     5 A       full-load current (FLA) for 3-phase AC motor     5 A       • at 600 V rated value     5 A       • at 100/120 V rated value     5 A       • at 100/120 V rated value     0.17 hp       - at 200/208 V rated value     0.5 hp       • at 200/208 V rated value     1 hp       - at 200/208 V rated value     1 hp       - at 200/208 V rated value		Yes
design of the overload release     thermal       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 600 V rated value     6 kA       • operating short-circuit current breaking capacity (Ics) at AC     6 kA       • at AC at 600 V rated value     100 kA       • at AC at 400 V rated value     100 kA       • at 240 V rated value     100 kA       • at 240 V rated value     100 kA       • at 600 V rated value     100 kA       • at 600 V rated value     68 A       • at 600 V rated value     5 A       • at 600 V rated value     0.17 hp       - at 200/208 V rated value     0.5 hp       • for 3-phase AC motor     0.17 hp       - at 200/208 V rated value     1 hp       - at 200/208 V rated value     1 hp       - at 200/208 V rated value     3 hp       Short-circuit protection     Yes	· · · · · · · · · · · · · · · · · · ·	CLASS 10
maximum short-circuit current breaking capacity (lcu)        if AC at 240 V rated value       100 kA       if AC at 400 V rated value       100 kA       if AC at 400 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       6 kA       operating short-circuit current breaking capacity (lcs) at AC       if at AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       100 kA       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if AC at 600 V rated value       5 A       if OF asple-shase AC motor       - at 10/120 V rated value       5 A       if OF asphase AC motor       - at 200/208 V rated value       1 hp       - at 200/208 V rated value       1 hp       - at 200/208 V rated value       3 hp       - at 575/600 V rated value       3 hp       - at 575/600 V rated value       3 hp       5hort-circuit trip contor       if AC at 675 A       if 600 V rated value       3 hp       /// AC AC AC AC AC AC       if 7 shore AC AC AC       if 7 shore AC AC AC       if 7 shore AC AC AC AC       if 7 shore AC AC AC AC       if 7 shore AC		thermal
• 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       6 kA         operating short-circuit current breaking capacity (ics) at AC       6 kA         • at 240 V rated value       100 kA         • at 240 V rated value       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 500 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       5 A         UL/CSA ratings       5 A         full-load current (FLA) for 3-phase AC motor       5 A         • at 600 V rated value       5 A         • at 200 V rated value       0.17 hp         - at 200 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200208 V rated value       1 hp         - at 60/480 V rated value       3 hp         - at 60/480 V rated value       3 hp         - at 60/480 V rated value       3 hp		
• at AC at 500 V rated value     100 kA       • at AC at 680 V rated value     6 kA       operating short-circuit current breaking capacity (Ics) at AC     100 kA       • at 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     100 kA       • at 600 V rated value     4 kA       response value current of instantaneous short-circuit trip unit     65 A       UL/CSA ratings       full-load current (FLA) for 3-phase AC motor       • at 600 V rated value     5 A       • at 600 V rated value     0.17 hp       • at 200 V rated value     0.5 hp       • for 3-phase AC motor     -       • at 200/208 V rated value     0.5 hp       • for 3-phase AC motor     -       • at 200/208 V rated value     1 hp       - at 220/230 V rated value     3 hp       - at 220/230 V rated value     3 hp       - at 480480 V rated value     3 hp       - at 480480 V rated value     3 hp       - at 480480 V rated value     3 hp       - at 4800480 V rated value     3 hp       - at 4800480 V rated value     3 hp       - at 4800480 V rated value     3 hp		100 kA
• at AC at 500 V rated value     100 kA       • at AC at 680 V rated value     6 kA       operating short-circuit current breaking capacity (Ics) at AC     100 kA       • at 400 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     100 kA       • at 600 V rated value     4 kA       response value current of instantaneous short-circuit trip unit     65 A       UL/CSA ratings       full-load current (FLA) for 3-phase AC motor       • at 600 V rated value     5 A       • at 600 V rated value     0.17 hp       • at 200 V rated value     0.5 hp       • for 3-phase AC motor     -       • at 200/208 V rated value     0.5 hp       • for 3-phase AC motor     -       • at 200/208 V rated value     1 hp       - at 220/230 V rated value     3 hp       - at 220/230 V rated value     3 hp       - at 480480 V rated value     3 hp       - at 480480 V rated value     3 hp       - at 480480 V rated value     3 hp       - at 4800480 V rated value     3 hp       - at 4800480 V rated value     3 hp       - at 4800480 V rated value     3 hp	<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA
• at AC at 690 V rated value       6 kA         operating short-circuit current breaking capacity (Ics) at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 600 V rated value       100 kA         • at 600 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       65 A         UL/CSA ratings       Tull-load current (FLA) for 3-phase AC motor         • at 400 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         • at 101/120 V rated value       0.17 hp         - at 200/208 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       3 hp         - at 460/480 V rated value       3 hp <td< td=""><td></td><td></td></td<>		
operating short-circuit current breaking capacity (ics) at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 500 V rated value       100 kA         • at 500 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       65 A         UL/CSA ratings       5 A         full-load current (FLA) for 3-phase AC motor       5 A         • at 400 V rated value       0.17 hp         - at 200 V rated value       0.5 hp         • for 3-phase AC motor       1 hp         - at 200208 V rated value       1 hp         - at 200208 V rated value       3 hp         Short-circuit protection       Yes         design of the short-circuit trip       magnetic         design of the fuse link for IT network for short-circuit protection       Yes         design of the fuse link for IT network for short-circuit protection <t< td=""><td></td><td></td></t<>		
• at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 690 V rated value       100 kA         • at 690 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       65 A         UL/CSA ratings       5 A         • at 400 V rated value       5 A         • at 600 V rated value       0.17 hp         - at 10/120 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 460/480 V rated value       3 hp         Short-circuit protection       Yes         design of the short-circuit trip       magnetic         design of the short-circuit trip       magnetic         design of the fuse link for IT network for short-circuit       gL/gG 32 A		
• at 400 V rated value       100 kA         • at 690 V rated value       100 kA         • at 690 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       65 A         ULCSA ratings       65 A         ULCSA ratings       5 A         • at 480 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       0.17 hp         • at 100/120 V rated value       0.17 hp         • at 200/200 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 110/120 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       3 hp         - at 460/480 V rated value       3 hp         Short-circuit protection       Yes         design of the short-circuit trip       magnetic         design of the short-circuit trip       gL/gG 32 A         • at 400 V       gL/gG 32 A         • at 600 V       gL/gG		100 kA
• at 500 V rated value       100 kA         • at 690 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       65 A         UL/CSA ratings       5 A         full-load current (FLA) for 3-phase AC motor       5 A         • at 400 V rated value       5 A         • at 400 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       0.17 hp         • at 300 V rated value       0.17 hp         • at 200/208 V rated value       0.17 hp         • at 200/208 V rated value       0.17 hp         • at 200/208 V rated value       1 hp         • at 200/208 V rated value       1 hp         • at 200/208 V rated value       3 hp         • at 60/480 V rated value       3 hp         Short-circuit protection       Yes         design of the short circuit frotection       Yes         design of the short circuit trip       magnetic         eta 400 V       gL/gG 32 A         • at 400 V       gL/gG 32 A         • at 600 V       gL/gG 32 A         • at 600 V       gL/gG 32 A		
• at 690 V rated value       4 kA         response value current of instantaneous short-circuit trip unit       65 A         UL/CSA ratings       5 A         full-load current (FLA) for 3-phase AC motor       5 A         • at 480 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         vielded mechanical performance [hp]       -         • for single-phase AC motor       -         - at 101/120 V rated value       0.17 hp         - at 200/208 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 202/230 V rated value       3 hp         Short-circuit protection       Yes         design of the short circuit protection       Yes         design of the fuse link for IT network for short-circuit protection       Yes         • at 400 V       gL/gG 32 A         • at 400 V       gL/gG 32 A         • at 600 V       gL/gG 32 A         • at 600 V       gL/gG 32 A         • at 600 V       gL/gG 32 A		
response value current of instantaneous short-circuit trip unit       65 A         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>5 A</li> <li>at 600 V rated value</li> <li>5 A</li> </ul> <li>vielded mechanical performance [hp]         <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.17 hp</li> <li>at 230 V rated value</li> <li>0.5 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>0.5 hp</li> <li>at 200/208 V rated value</li> <li>1 hp</li> <li>at 200/208 V rated value</li> <li>3 hp</li> <li>at 60/480 V rated value</li> <li>3 hp</li> <li>at 575/600 V rated value</li> <li>3 hp</li> </ul> </li> <li>Short-circuit protection</li> <li>Yes</li> <li>design of the short-circuit trip</li> <li>magnetic</li> <li>design of the fuse link for IT network for short-circuit protection</li> <li>at 400 V</li> <li>at 500 V</li> <li>gL/gG 32 A</li> <li>at 600 V</li>		
ULCSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       5 A         • at 600 V rated value       5 A         • at 600 V rated value       5 A         yielded mechanical performance [hp]       •         • for single-phase AC motor       -         - at 110/120 V rated value       0.17 hp         - at 230 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 460/480 V rated value       3 hp         Short-circuit protection       Yes         design of the solvet circuit protection       Yes         design of the fuse link for IT network for short-circuit protection       Yes         • at 400 V       gL/gG 32 A         • at 500 V       gL/gG 32 A         • at 600 V       gL/gG 25 A		
full-load current (FLA) for 3-phase AC motor       5 A         • at 480 V rated value       5 A         • at 600 V rated value       5 A         yielded mechanical performance [hp]       6         • for single-phase AC motor       0.17 hp         - at 110/120 V rated value       0.5 hp         • for 3-phase AC motor       0.5 hp         • at 200/208 V rated value       1 hp         - at 220/208 V rated value       1 hp         - at 220/208 V rated value       1 hp         - at 460/480 V rated value       3 hp         Short-circuit protection       Yes         design of the solv-circuit trip       magnetic         design of the fuse link for IT network for short-circuit protection       Yes         • at 400 V       gL/gG 32 A         • at 500 V       gL/gG 32 A         • at 600 V       gL/gG 25 A		
• at 480 V rated value       5 A         • at 600 V rated value       5 A         yielded mechanical performance [hp]       5 A         • for single-phase AC motor       0.17 hp         - at 110/120 V rated value       0.5 hp         • for 3-phase AC motor       0.5 hp         - at 200/208 V rated value       1 hp         - at 200/208 V rated value       1 hp         - at 220/230 V rated value       3 hp         - at 575/600 V rated value       3 hp         - at 575/600 V rated value       3 hp         - at 575/600 V rated value       3 hp         Short-circuit protection       Yes         design of the short-circuit protection       Yes         design of the slow for short-circuit protection       yes         • at 400 V       gL/gG 32 A         • at 500 V       gL/gG 32 A         • at 690 V       gL/gG 55 A		
• at 600 V rated value5 Ayielded mechanical performance [hp]5 A• for single-phase AC motor0.17 hp- at 110/120 V rated value0.17 hp- at 230 V rated value0.5 hp• for 3-phase AC motor1 hp- at 200/208 V rated value1 hp- at 220/230 V rated value1 hp- at 220/230 V rated value3 hp- at 460/480 V rated value3 hp- at 575/600 V rated value3 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripgL/gG 32 A• at 400 VgL/gG 32 A• at 690 VgL/gG 25 A		5.4
yielded mechanical performance [hp]         • for single-phase AC motor         - at 110/120 V rated value       0.17 hp         - at 230 V rated value       0.5 hp         • for 3-phase AC motor		
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>bfor 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>bfor 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>bfor 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>bfor 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>bfor 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>bfor 4-at 220/230 V rated value</li> <li>bfor 4-at 220/230 V rated value</li> <li>bfor 4-at 250/200 V rated value</li> <li>bfor 4-at 575/600 V rated value</li> <li>bfor 4-circuit protection</li> <li>y Yes</li> <li>design of the short-circuit protection</li> <li>Yes</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit</li> <li>at 400 V</li> <li>gL/gG 32 A</li> <li>at 500 V</li> <li>gL/gG 32 A</li> <li>at 690 V</li> <li>gL/gG 25 A</li> </ul> </li> </ul>		DA C
- at 110/120 V rated value0.17 hp- at 230 V rated value0.5 hp• for 3-phase AC motor1 hp- at 200/208 V rated value1 hp- at 220/230 V rated value1 hp- at 460/480 V rated value3 hp- at 575/600 V rated value3 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 690 VgL/gG 25 AInstallation/mounting/ dimensions		
- at 230 V rated value     0.5 hp       • for 3-phase AC motor     1 hp       - at 200/208 V rated value     1 hp       - at 220/230 V rated value     1 hp       - at 220/230 V rated value     3 hp       - at 460/480 V rated value     3 hp       - at 575/600 V rated value     3 hp       Short-circuit protection     Yes       design of the short-circuit protection     Yes       design of the fuse link for IT network for short-circuit protection     gL/gG 32 A       • at 400 V     gL/gG 32 A       • at 500 V     gL/gG 32 A       • at 690 V     gL/gG 32 A		0.47 hz
<ul> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>bp</li> <li>at 220/230 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 675/600 V rated value</li> <li>bp</li> <li>at 575/600 V rated value</li> <li>bp</li> </ul> </li> <li>both-circuit protection</li> <li>yes</li> <li>design of the short-circuit protection</li> <li>Yes</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit</li> <li>at 400 V</li> <li>gL/gG 32 A</li> <li>at 690 V</li> <li>gL/gG 32 A</li> <li>gL/gG 32 A</li> </ul> <li>Installation/ mounting/ dimensions</li>		
at 220/208 V rated value1 hp at 220/230 V rated value1 hp at 460/480 V rated value3 hp at 575/600 V rated value3 hp at 575/600 V rated value3 hpShort-circuit protectionproduct function short circuit protectiondesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 500 VgL/gG 32 A• at 690 VgL/gG 32 AInstallation/ mounting/ dimensions		0.5 np
at 220/230 V rated value1 hp at 460/480 V rated value3 hp at 575/600 V rated value3 hpShort-circuit protectionYesproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 690 VgL/gG 32 AInstallation/ mounting/ dimensionsJestimensions	•	
at 460/480 V rated value3 hp at 575/600 V rated value3 hpShort-circuit protectionYesproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 500 VgL/gG 32 A• at 690 VgL/gG 32 AInstallation/ mounting/ dimensionsJames James		
at 575/600 V rated value     3 hp       Short-circuit protection     Yes       product function short circuit protection     Yes       design of the short-circuit trip     magnetic       design of the fuse link for IT network for short-circuit protection of the main circuit     gL/gG 32 A       • at 400 V     gL/gG 32 A       • at 690 V     gL/gG 32 A       Installation/ mounting/ dimensions     gL/gG 25 A		
Short-circuit protection       Yes         product function short circuit protection       Yes         design of the short-circuit trip       magnetic         design of the fuse link for IT network for short-circuit protection of the main circuit       gL/gG 32 A         • at 400 V       gL/gG 32 A         • at 500 V       gL/gG 32 A         • at 690 V       gL/gG 25 A		
product function short circuit protection     Yes       design of the short-circuit trip     magnetic       design of the fuse link for IT network for short-circuit protection of the main circuit     gL/gG 32 A       • at 400 V     gL/gG 32 A       • at 500 V     gL/gG 32 A       • at 690 V     gL/gG 25 A		3 hp
design of the short-circuit trip     magnetic       design of the fuse link for IT network for short-circuit protection of the main circuit     gL/gG 32 A       • at 400 V     gL/gG 32 A       • at 500 V     gL/gG 32 A       • at 690 V     gL/gG 25 A	Short-circuit protection	
design of the fuse link for IT network for short-circuit protection of the main circuit     gL/gG 32 A       • at 400 V     gL/gG 32 A       • at 500 V     gL/gG 32 A       • at 690 V     gL/gG 25 A	product function short circuit protection	Yes
protection of the main circuit     gL/gG 32 A       • at 400 V     gL/gG 32 A       • at 500 V     gL/gG 32 A       • at 690 V     gL/gG 25 A	design of the short-circuit trip	magnetic
• at 400 VgL/gG 32 A• at 500 VgL/gG 32 A• at 690 VgL/gG 32 AInstallation/ mounting/ dimensionsgL/gG 25 A		
• at 500 V     gL/gG 32 A       • at 690 V     gL/gG 25 A	•	
• at 690 V gL/gG 25 A Installation/ mounting/ dimensions		
Installation/ mounting/ dimensions		
		gL/gG 25 A
mounting position any		
	mounting position	any

fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting at the side	0 mm
• for grounded parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	30 mm
— upwards	30 mm
•	9 mm
— at the side	9 1111
for grounded parts at 500 V	00 mm
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for grounded parts at 690 V</li> </ul>	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
<ul> <li>for live parts at 690 V</li> </ul>	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²
- finely stranded with core end processing	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
for AWG cables for main contacts	2x (18 14), 2x 12
tightening torque	
for main contacts with screw-type terminals	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
for main contacts	M3
afety related data	
proportion of dangerous failures	50.04
with low demand rate according to SN 31920	50 %
with high demand rate according to SN 31920	50 %
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
B10 value with high demand rate according to SN 31920	5 000
IEC 61508	

protection class IP on the front according to IEC 60529		IEC 60529 IP2	IP20			
touch protection on the front according to IEC 60529			ger-safe, for vertical contact	from the front		
display version for switching status			ndle			
Approvals Certificates						
General Product Appr	oval					
EG-Konf.	UK CA	<u>Confirmation</u>	() () ()		KC	
General Product Approval	For use in hazardou	s locations	Test Certificates		Marine / Shipping	
EHC	IECEx	K ATEX	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	
Marine / Shipping					other	
BUREAU VERITAS		Hoyd's Register urs	PRS	RINA	<u>Miscellaneous</u>	
other		Railway	Environment			
Confirmation		<u>Confirmation</u>	EPD Typ II/III (with life cylce assessment)			
Further information						
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business						
Siemens is working or Please contact your loca	a the renewal of the cu al Siemens office on the ther than the sanctioned	rrent EAC certificates.	EAC certification if you intend	I to import or offer to supp	bly these products to ar	

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-1FA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1FA10

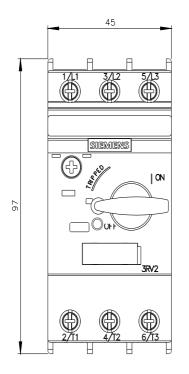
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1FA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-1FA10&lang=en

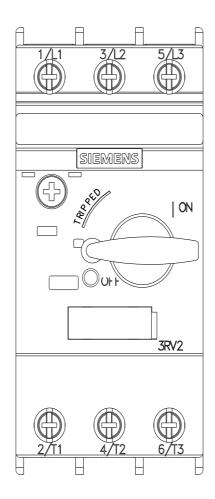
Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1FA10/char

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

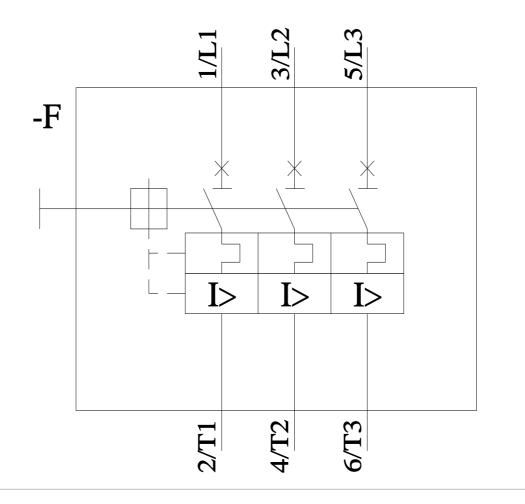
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1FA10&objecttype=14&gridview=view1







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