## SIEMENS

## Data sheet

## 3RV2011-1FA20



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

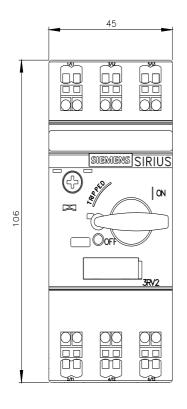
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] 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
<ul> <li>at AC-3 rated value maximum</li> </ul>	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

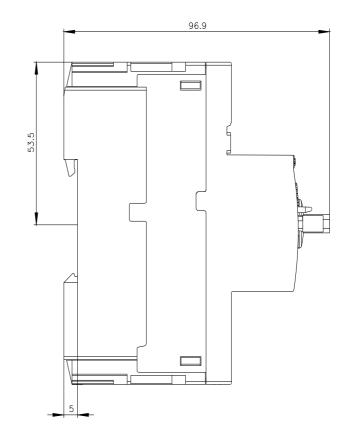
operating prover         5 A		
• Al AC 3e at 400 V rated value5 Aoperating provi-• at XAO 3-• at XAO 3-• at XAO 3 V rated value15 KN• at 300 V rated value2 XN• at 300 V rated value4 KN• at 320 V rated value4 KN• at 320 V rated value11 KN• at 320 V rated value11 KN• at 320 V rated value4 KN• at 320 V 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       Protect function     •       • ground fault detection     Yes       • ophase 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 400 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     100 kA       • at 600 V rated value     100 kA       • at 600 V rated value     5 A	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

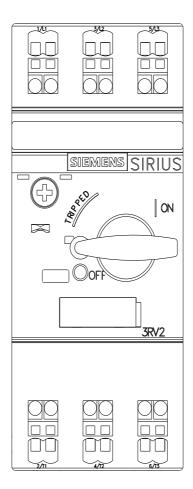
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	106 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting at the side	0 mm
<ul> <li>for grounded parts at 400 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for live parts at 400 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for grounded parts at 500 V</li> </ul>	
— 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	spring-loaded 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 (0,5 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm <sup>2</sup> )
— finely stranded without core end processing	2x (0.5 2.5 mm <sup>2</sup> )
• for AWG cables for main contacts	2x (20 12)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
Safety related data	
B10 value	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	5 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 %
• with high demand rate according to SN 31920	50 %
failure rate [FIT]	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 FIT
T1 value for proof test interval or service life according to IEC 61508	10 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
display version for switching status	Handle
Certificates/ approvals	

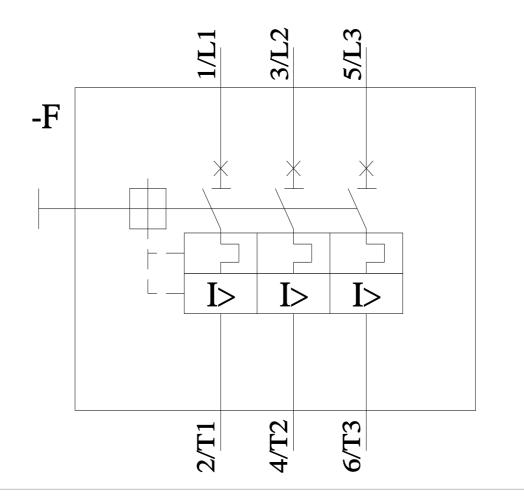
General Product App	proval				For use in hazard- ous locations
	<u>Confirmation</u>		KC	EAC	IECEx
For use in hazard- ous locations	Declaration of Confo	rmity	Test Certificates		Marine / Shipping
KEX ATEX	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	ABS
Marine / Shipping					other
BUREAU VERITAS		Lloyds Register urs	PRS	RINA	Household and simila appliances
other		Railway		Environment	
<u>Confirmation</u>		Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations	
<u>Confirmation</u> urther information	VDE	Vibration and Shock	Confirmation		
urther information Siemens has decided https://press.siemens.r Siemens is working of Please contact your lo EAC relevant market ( Information on the pa https://support.industry Information- and Dow https://www.siemens.co Industry Mall (Online https://mall.industry.sie Cax online generator http://support.automati	y.siemens.com/cs/ww/en/v wnloadcenter (Catalogs, com/ic10 e ordering system) emens.com/mall/en/en/Ca	ket (see here). ie/siemens-wind-down-ruse rent EAC certificates. status of validity of the EA EAEU member states Rus riew/109813875 Brochures,) talog/product?mlfb=3RV20 Xorder/default.aspx?lang=4	sian-business C certification if you intend sia or Belarus). 11-1FA20	firmations	ply these products to ar

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1FA20/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1FA20&objecttype=14&gridview=view1









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