## SIEMENS

## Data sheet

## 3RV1011-1HA10



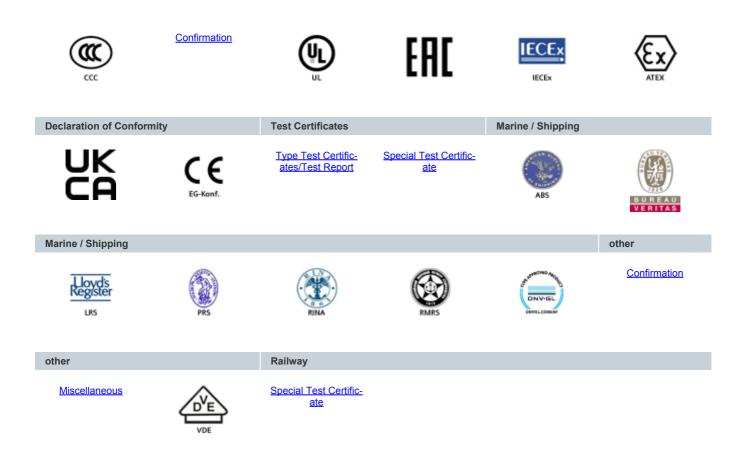
Circuit breaker size S00 for motor protection, CLASS 10 A-release 5.5...8 A N-release 104 A Screw terminal Standard switching capacity

473 473	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	9.25 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	3.1 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
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)	01/01/2013
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	5.5 8 A
operating voltage	
rated value	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	8 A
operational current	
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	8 A

operating power         • et AC-3	• at AC-3e at 400 V rated value	8 A
• af XQ3     - af XQ3 V radia value     1.5 kVV       - af XQ3 V radia value     3. kVV       - af XQ3 V radia value     5.5 kVV       oparating frequency     -       - af XQ3 V radia value     5.5 kVV       oparating frequency     -       - af XQ3 V radia value     5.5 kVV       oparating frequency     -       - af XQ3 V radia value     5.5 kVV       oparating frequency     -       - af XQ3 V radia value     0       oparating frequency     -       - af XQ3 V radia value     0       oparating frequency     -       - af XQ3 V radia value     0.0 kA       oparating frequency     -       - af XQ3 V radia value     3.6 k       - af X		
- at 400 V rade valueSWV- at 500 V rade value55 KV- at 230 V rade value55 KV- at 230 V rade value55 KV- at 400 V rade value55 KV- at 400 V rade value56 KV- at 600 V rade value55 KV- at 600 V rade value0- at 600 V rade value0- at 600 V rade value0- at 600 V rade value100 KA- at 600 V rade value20 KA- at 600 V rade value30 KA- at 600 V rade value50 KA- at 600 V rade value <td< td=""><td></td><td>1.5 kW</td></td<>		1.5 kW
• ait AC-2e     - ait 230 V rated value     5 KW       - ait 500 V rated value     5 KW       - ait 500 V rated value     5 KW       - ait 500 V rated value     5 KW       - ait 600 V rated value     5 S KW       operating frequency     -       - ait 600 V rated value     5 S KW       - ait 600 V rated value     5 S KW       - ait 600 V rated value     5 S KW       - ait 600 V rated value     0       - ait 600 V rated value     0       - ground fault detection     Veis       - ait 600 V rated value     00 KA       - ait 600 V rated value		
		5.5 KW
		4 5 1001
−at 850 V rated value     5.5 kW       oparating frequency     15 1/h       • at AC-3s maximum     15 1/h       • at AC-3s maximum     15 1/h       valiancy retain     15 1/h       runcher of CO contacts for auxiliary contacts     0       Protectiva and monitoring functions     0       product function     Veis       • ground fault detection     Veis       • fip class     CLASS 10       design of the overload rolease     thermal       maximum short-circuit current breaking capacity (icu)     • at AC at 240 V rated value       • at AC at 800 V rated value     50 kA       • at AC at 800 V rated value     50 kA       • at AC at 800 V rated value     50 kA       • at AC at 800 V rated value     100 kA       • at AC at 800 V rated value     100 kA       • at AC at 800 V rated value     100 kA       • at 400 V rated value     100 kA       • at 800 V rated value     3 kA       • at 800 V rated value     3 kA       • at 800 V rated value     3 kA       • at 800 V rated value     8 A		
operating frequency         is 1 AC3 maximum         15 1 h           • at AC3 maximum         15 1 h           • at AC3 maximum         15 1 h           • at AC3 maximum         15 1 h           Auxiliary vircuit         •           number of Costnals for auxiliary contacts         0           Protective and monitoring functions         •           product function         Yes           • igound find detection         Yes           • ophase failure detection         Yes           • at AC at 240 V rated value         50 kA           • at AC at 500 V rated value         50 kA           • at AC at 500 V rated value         50 kA           • at AC at 500 V rated value         50 kA           • at AC at 500 V rated value         30 kA           • at AC at 500 V rated value         13 kA           • at 600 V rated value         3 kA           • at 800 V rated value         3 kA           • at 800 V rated value         8 A           • at 800 V rated value         9 hp           • at 800 V rated value         2 hp           - at 2		
+ at AC3 maximum     15 th       Auxilary circit     15 th       Auxilary circit     0       Product Vanction     No       • grand fail delection     Yes       of the overload visue     2 kA       ring class     CLASS 10       • at Cal 20 V rated value     30 kA       • at Cal 20 V rated value     20 kA       • at AC at 200 V rated value     20 kA       • at AC at 200 V rated value     2 kA       • at AC at 200 V rated value     2 kA       • at AC at 200 V rated value     3 kA       • at AC at 200 V rated value     2 kA       • at AC at 200 V rated value     3 kA       • at AC at 200 V rated value     3 kA       • at AC at 200 V rated value     3 kA       • at 200 V rated value     8 A       • at 200 V rated value     8 A       • at 200 V rated value     8 A       • at 200 V rated value     2 hp       • at 200 V rated value     3 hp       • at 200 V ra		5.5 KW
• at AC-3e maximum     15 1h       Auxiliary circuit     •       number of CO contacts for auxiliary contacts     0       Protective and monitoring functions     •       product function     •       • ground faul detection     Yes       • optimum faul detection     Yes       design of the overload rolease     thermal       maximum short-circuit current breaking capacity (icu)     •       • at AC at 240 V rated value     50 kA       • at AC at 260 V rated value     50 kA       • at AC at 360 V rated value     50 kA       • at AC at 360 V rated value     50 kA       • at AC at 360 V rated value     50 kA       • at AC at 960 V rated value     100 kA       • at AC at 960 V rated value     50 kA       • at AC at 960 V rated value     100 kA       • at AC at 960 V rated value     100 kA       • at 400 V rated value     100 kA       • at 960 V rated value     2 kA       • at 960 V rated value     2 kA       • at 960 V rated value     2 kA       • at 960 V rated value     8 A       • at 960 V rated value     10 A		
Auxiliary circuit         0           number of CO contacts for auxiliary contacts         0           Protective and monitoring functions         0           product function         No           • ground fault detection         Yes           design of the overload release         thermal           maximum short-circuit current breaking capacity (tcu)         100 kA           • at AC at 400 V rated value         50 kA           • at AC at 500 V rated value         50 kA           • at AC at 500 V rated value         3 kA           • at AC at 400 V rated value         100 kA           • at AC at 500 V rated value         3 kA           • at 400 V rated value         3 kA           • at 600 V rated value         8 A           • at 600 V rated value         8 A           • at 600 V rated value         8 A           • at 400 V rated value         8 A           • at 600 V rated value         8 A           • at 400 V rated value         9 h		
number of CO contacts for auxiliary contacts         0           Product function         No           • ground fault detection         No           • 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         50 kA           • at AC at 500 V rated value         3 kA           • at AC at 500 V rated value         3 kA           • at AC at 500 V rated value         3 kA           • at AC at 500 V rated value         3 kA           • at AC at 500 V rated value         3 kA           • at AC or tade value         100 kA           • at 400 V rated value         100 kA           • at 400 V rated value         100 kA           • at 400 V rated value         3 kA           • at 400 V rated value         3 kA           • at 600 V rated value         3 kA           • at 600 V rated value         8 A		15 1/h
Protective and monitoring functions       product function       • ground fault detection       • product function       • product function       • product function       • product function       • the class       CLASS 10       design of the overload release       maximum short-circuit current breaking capacity (Icu)       • at AC at 200 V rated value       • at AC at 500 V rated value       • at AC at 500 V rated value       • at AC at 500 V rated value       • at 300 V rated value       • at 300 V rated value       • at 400 V rated value       • at 500 V rated value       • at 500 V rated value       • at 2002		
product function     No       • ground fault detection     Yes       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     50 kA       • at AC at 500 V rated value     30 kA       • at AC at 650 V rated value     20 kA       • at AC at 650 V rated value     30 kA       • at AC at 650 V rated value     20 kA       • at AC at 650 V rated value     30 kA       • at 400 V rated value     30 kA       • at 400 V rated value     30 kA       • at 600 V rated value     8 A       • at 600 V rated value     8 A       • at 100/120 V rated value     8 A       • at 100/120 V rated value     10 hp       • or single-phase AC motor     -       - at 200/208 V rated value     2 hp       - at 200/208 V rated value     2 hp       - at 200/208 V rated value     5 hp <t< td=""><td></td><td>0</td></t<>		0
• ground fault detection     No       • phase failure detection     Yes       trip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (icu)     • at AC at 200 V rated value     100 kA       • at AC at 500 V rated value     50 kA     • at AC at 500 V rated value       • at AC at 500 V rated value     2 kA       operating short-circuit current breaking capacity (ics) at AC     • at 240 V rated value       • at 240 V rated value     100 kA       • at 240 V rated value     2 kA       operating short-circuit current breaking capacity (ics) at AC     • at 240 V rated value       • at 400 V rated value     3 kA       • at 600 V rated value     2 kA       • at 600 V rated value     3 kA       • at 600 V rated value     3 kA       • at 600 V rated value     8 A       • at 600 V rated value     9 b       • at 600 V rated value     8 A       • at 600 V rated value     9 b       • at 600 V rated value     9 b	Protective and monitoring functions	
	product function	
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       50 kA         • at AC at 500 V rated value       50 kA         • at AC at 500 V rated value       2 kA         operating short-circuit current breaking capacity (Ics) at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       2 kA         operating short-circuit current breaking capacity (Ics) at AC       100 kA         • at 600 V rated value       3 kA         • at 600 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       101 Vrated value         • at 600 V rated value       8 A         • at 600 V rated value       8 A         • at 600 V rated value       8 A         • at 600 V rated value       9 A         vielded mechanical performance fhp1       • for single-phase AC motor         - at 200/202 V rated value       2 hp         - at 200/202 V rated value       2 hp         - at 200/202 V rated value       5 hp         - at 675/5000 V rated value       5 hp         product f	<ul> <li>ground fault detection</li> </ul>	No
design of the overload release         Inernal           maximum short-circuit current breaking capacity (tcu)              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              30 kA             at AC at 500 V rated value              2 kA            operating short-circuit current breaking capacity (tcs) at AC             at 240 V rated value              2 kA               design of the	phase failure detection	Yes
maximum short-circuit current breaking capacity (Icu)     i at AC at 240 V rated value     100 kA       e at AC at 240 V rated value     50 kA       e at AC at 500 V rated value     3 kA       e at AC at 630 V rated value     2 kA       operating short-circuit current breaking capacity (Ics) at AC     100 kA       e at 240 V rated value     100 kA       e at 240 V rated value     100 kA       e at 240 V rated value     100 kA       e at 400 V rated value     13 kA       e at 600 V rated value     3 kA       e at 600 V rated value     3 kA       e at 600 V rated value     3 kA       e at 600 V rated value     8 A       e at 200 V rated value     9 A       e or single-phase AC motor     0.33 hp       - at 200 V rated value     1 hp       e for 3-phase AC motor     - at 200/208 V rated value       - at 200/208 V rated value     2 hp       - at 200/208 V rated value     5 hp       Short-circuit protection     Yes       dosign of the sink for IT network for short-circuit trip     magnetic       design of the fuse link for IT network for short-circuit trip     magnetic       design of the sink for IT network for short-circ	trip class	CLASS 10
• at AC at 240 V rated value       100 kA         • at AC at 400 V rated value       50 kA         • at AC at 580 V rated value       2 kA         operating short-circuit current breaking capacity (ics) at AC       100 kA         • at 400 V rated value       13 kA         • at 600 V rated value       3 kA         • at 400 V rated value       13 kA         • at 600 V rated value       3 kA         • at 600 V rated value       8 A         • at 600 V rated value       1 hp         • for 3-phase AC motor       -         - at 220/208 V rated value       2 hp         - at 220/208 V rated value       5 hp         Short-circuit protection       Yes         design of the fuse link for IT network for short-circuit protection       Yes	design of the overload release	thermal
• at AC at 400 V rated value       50 kA         • at AC at 500 V rated value       3 kA         • at AC at 600 V rated value       2 kA         operating short-circuit current breaking capacity (ics) at AC       100 kA         • at 240 V rated value       100 kA         • at 600 V rated value       13 kA         • at 600 V rated value       3 kA         • at 600 V rated value       3 kA         • at 600 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       104 A         Vieldod ucurrent (FLA) for 3-phase AC motor       8 A         • at 600 V rated value       10 p         • for single-phase AC motor       -         - at 200/208 V rated value       1 hp         • for 3-phase AC motor       -         - at 200208 V rated value       2 hp         - at 200208 V rated value       2 hp         - at 200208 V rated value       5 hp         Short-circuit protection       Yes         design of the fuse link for IT network for short-circuit protection         of at 240 V <td>maximum short-circuit current breaking capacity (lcu)</td> <td></td>	maximum short-circuit current breaking capacity (lcu)	
• at AC at 500 V rated value       3 kA         • at AC at 690 V rated value       2 kA         operating short-circuit current breaking capacity (ics) at AC       100 kA         • at 200 V rated value       100 kA         • at 400 V rated value       13 kA         • at 500 V rated value       3 kA         • at 600 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       101 kA         full-load current (FLA) for 3-phase AC motor       8 A         • at 600 V rated value       8 A         • at 600 V rated value       8 A         • at 800 V rated value       8 A         • at 00 V rated value       8 A         • at 00 V rated value       8 A         • at 200 V rated value       0.33 hp         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       5 hp         Short-circuit protection       Yes         design of the short circuit trip       magnetic         design of the short Circuit trip       magnetic         design of the short Circuit trip       gL/gG 80 A         <	• at AC at 240 V rated value	100 kA
• at AC at 690 V rated value2 kAoperating short-circuit current breaking capacity (ics) at AC • at 240 V rated value10 kA• at 400 V rated value13 kA• at 600 V rated value3 kA• at 690 V rated value2 kA• at 690 V rated value2 kA• at 690 V rated value8 A• at 480 V rated value8 A• at 690 V rated value1 hp• for single-phase AC motor at 100/120 V rated value0.33 hp- at 20020 V rated value2 hp- at 20020 V rated value2 hp- at 20020 V rated value2 hp- at 20020 V rated value5 hp- at 20020 V rated value5 hp- at 60/480 V rated value5 hp <tr< td=""><td>• at AC at 400 V rated value</td><td>50 kA</td></tr<>	• at AC at 400 V rated value	50 kA
operating short-circuit current breaking capacity (ics) at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       13 kA         • at 600 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       104 A         UL/CSA ratings       • at 480 V rated value         • at 480 V rated value       8 A         • at 690 V rated value       8 A         • at 101/120 V rated value       0.33 hp         - at 110/120 V rated value       0.33 hp         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       5 hp         Short-circuit protection       Yes         design of the short-circuit trip       magnetic         design of the short-circuit trip       magnetic         design of the main circuit       e t240 V         • at 400 V       gL/G 60 A	• at AC at 500 V rated value	3 kA
• at 240 V rated value       100 kA         • at 400 V rated value       13 kA         • at 500 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       100 kA         full-load current (FLA) for 3-phase AC motor       8 A         • at 600 V rated value       10 p         - for single-phase AC motor       -         - at 200/200 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/200 V rated value       2 hp         - at 450/480 V rated value       5 hp         - at 450/480 V rated value       5 hp         short-circuit protection       Yes         design of the short-circuit trip       magnetic         design of the short-circuit trip       magnetic         design of the short-circuit trip       magnetic         idesign of the short-circuit trip       gl/g6 8	• at AC at 690 V rated value	2 kA
• at 400 V rated value       13 kA         • at 600 V rated value       3 kA         • at 600 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         ULCSA ratings         full-load current (FLA) for 3-phase AC motor       8 A         • at 600 V rated value       8 A         • at 110/12 0 V rated value       0.33 hp         - at 110/12 0 V rated value       0.33 hp         - at 230 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       2 hp         - at 220/230 V rated value       2 hp         - at 220/230 V rated value       5 hp	operating short-circuit current breaking capacity (Ics) at AC	
• at 500 V rated value       3 kA         • at 690 V rated value       2 kA         response value current of instantaneous short-circuit trip unit       104 A         UL/CSA ratings       104 A         full-load current (FLA) for 3-phase AC motor       8 A         • at 400 V rated value       8 A         • at 600 V rated value       8 A         • at 300 V rated value       0.33 hp         at 10/120 V rated value       0.33 hp         at 200/208 V rated value       1 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       5 hp         at 200/208 V rated value       5 hp         at 200/208 V rated value       5 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 63 A         • at 240 V       gL/gG 640 A         • at 2400 V       <	• at 240 V rated value	100 kA
• at 690 V rated value     2 kA       response value current of instantaneous short-circuit trip unit     104 A       UL/CSA ratings	• at 400 V rated value	13 kA
response value current of instantaneous short-circuit trip unit 104 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor	• at 500 V rated value	3 kA
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       8 A         • at 600 V rated value       8 A         yielded mechanical performance [hp]       8 A         • for single-phase AC motor       0.33 hp	<ul> <li>at 690 V rated value</li> </ul>	2 kA
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       8 A         • at 600 V rated value       8 A         yielded mechanical performance [hp]       8 A         • for single-phase AC motor       0.33 hp	response value current of instantaneous short-circuit trip unit	104 A
full-load current (FLA) for 3-phase AC motor       8 A         • at 480 V rated value       8 A         • at 600 V rated value       8 A         yielded mechanical performance [hp]       8 A         • of risingle-phase AC motor       0.33 hp         - at 210 V rated value       0.33 hp         - at 200 V rated value       1 hp         • for 3-phase AC motor       2 hp         - at 200/208 V rated value       2 hp         - at 200/208 V rated value       5 hp         - at 200/208 V rated value       5 hp         - at 575/600 V rated value       5 hp         Short-circuit protection       Yes         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 of the main circuit       gL/gG 80 A         • at 400 V       gL/gG 40 A         • at 400 V       gL/gG 40 A         • at 600 V       gL/gG 40 A         • at 600 V       gL/gG 40 A         Installation/ mounting/ dimensions       any         mounting position       any         festening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
• at 480 V rated value8 A• at 600 V rated value8 Ayielded mechanical performance [hp]8 A• for single-phase AC motor0.33 hp- at 110/120 V rated value0.33 hp- at 230 V rated value1 hp• for 3-phase AC motor2 hp- at 200/208 V rated value2 hp- at 200/208 V rated value5 hp- at 460/480 V rated value5 hp- at 575/600 V rated value5 hp- at 575/600 V rated value5 hp- at 575/600 V rated value5 hp- at 240 VgL/gG 80 Adesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protectionYesdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 80 A• at 400 VgL/gG 63 A• at 600 VgL/gG 63 A• at 600 VgL/gG 63 A• at 600 VgL/gG 60 A• at 600		
• at 600 V rated value8 Ayielded mechanical performance [hp].• for single-phase AC motor		8 A
yielded mechanical performance [hp]• for single-phase AC motor at 110/120 V rated value0.33 hp at 230 V rated value1 hp• for 3-phase AC motor at 200/208 V rated value2 hp at 200/208 V rated value2 hp at 200/208 V rated value2 hp at 460/480 V rated value5 hp at 450/480 V rated value5 hp at 450/480 V rated value5 hp at 575/600 V rated value5 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripmagnetice at 400 VgL/gG 80 A• at 400 VgL/gG 40 A• at 690 VgL/gG 40 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height90 mm		
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>thp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>thp</li> </ul> </li> <li>for 3-phase AC motor             <ul> <li>at 200/208 V rated value</li> <li>thp</li> </ul> </li> <li>for 3-phase AC motor             <ul> <li>at 200/208 V rated value</li> <li>thp</li> </ul> </li> <li>at 200/208 V rated value</li> <li>thp</li> <li>at 200/208 V rated value</li> <li>thp</li> <li>at 460/480 V rated value</li> <li>thp</li> </ul> <li><b>Short-circuit protection</b> <ul> <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</li> <li>at 400 V</li> <li>gL/gG 80 A</li> <li>at 400 V</li> <li>gL/gG 63 A</li> <li>gL/gG 40 A</li> <li>at 690 V</li> <li>gL/gG 40 A</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>any</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</li> <li>p0 mm</li> </ul> </li>		
- at 110/120 V rated value0.33 hp- at 230 V rated value1 hp• for 3-phase AC motor at 200/208 V rated value2 hp- at 220/230 V rated value2 hp- at 220/230 V rated value5 hp- at 460/480 V rated value5 hp- at 575/600 V rated value5 hpshort-circuit protectionYesdesign of the short-circuit protectionYesdesign of the fuse link for IT network for short-circuitmagneticof at 240 VgL/gG 80 A• at 250 VgL/gG 40 A• at 690 VgL/gG 40 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height90 mm		
at 230 V rated value1 hp• for 3-phase AC motor2 hp at 200/208 V rated value2 hp at 220/230 V rated value2 hp at 460/480 V rated value5 hp at 575/600 V rated value5 hpShort-circuit protectionYesdesign of the short-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 80 A• at 240 VgL/gG 63 A• at 400 VgL/gG 63 A• at 690 VgL/gG 40 A• at 690 VgL/gG 40 Ainstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height90 mm		0.22 hp
<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 450/200 V rated value</li> <li>bp</li> </ul> </li> <li>Short-circuit protection</li> <li>yes</li> <li>design of the short-circuit protection</li> <li>Yes</li> <li>design of the short-circuit trip</li> <li>magnetic</li> </ul> <li>design of the fuse link for IT network for short-circuit protection of the main circuit</li> <li>at 240 V</li> <li>gL/gG 80 A</li> <li>at 400 V</li> <li>gL/gG 63 A</li> <li>at 500 V</li> <li>gL/gG 40 A</li> <li>at 690 V</li> <li>gL/gG 40 A</li> <li>at 690 V</li> <li>gL/gG 40 A</li> <li>batallation/ mounting/ dimensions</li> <li>mounting position</li> <li>any</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</li> <li>height</li>		
- at 200/208 V rated value2 hp- at 220/230 V rated value2 hp- at 460/480 V rated value5 hp- at 575/600 V rated value5 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 80 A• at 240 VgL/gG 63 A• at 400 VgL/gG 63 A• at 690 VgL/gG 40 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715p0 mm		- H
at 220/230 V rated value2 hp at 460/480 V rated value5 hp at 575/600 V rated value5 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 80 A• at 240 VgL/gG 63 A• at 400 VgL/gG 40 A• at 690 VgL/gG 40 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height90 mm		2 bp
at 460/480 V rated value5 hp at 575/600 V rated value5 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 80 A• at 240 VgL/gG 63 A• at 400 VgL/gG 40 A• at 690 VgL/gG 40 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height90 mm		
at 575/600 V rated value5 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 80 A• at 240 VgL/gG 63 A• at 400 VgL/gG 40 A• at 500 VgL/gG 40 A• at 690 VgL/gG 40 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height90 mm		
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 80 A         • at 240 V       gL/gG 63 A         • at 400 V       gL/gG 40 A         • at 690 V       gL/gG 40 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         height       90 mm		
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 80 A         • at 240 V       gL/gG 63 A         • at 400 V       gL/gG 40 A         • at 500 V       gL/gG 40 A         • at 690 V       gL/gG 40 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         height       90 mm		qii c
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 80 A         • at 240 V       gL/gG 63 A         • at 400 V       gL/gG 63 A         • at 500 V       gL/gG 40 A         • at 690 V       gL/gG 40 A         Installation/ mounting/ dimensions       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         height       90 mm		
design of the fuse link for IT network for short-circuit         protection of the main circuit         • at 240 V         • at 400 V         • at 500 V         • at 690 V         Installation/ mounting/ dimensions         mounting position         fastening method         height         90 mm		
protection of the main circuit     gL/gG 80 A       • at 240 V     gL/gG 80 A       • at 400 V     gL/gG 63 A       • at 500 V     gL/gG 40 A       • at 690 V     gL/gG 40 A       Installation/ mounting/ dimensions     any       fastening method     acrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715       height     90 mm		magnetic
• at 400 V     gL/gG 63 A       • at 500 V     gL/gG 40 A       • at 690 V     gL/gG 40 A       Installation/ mounting/ dimensions     gL/gG 40 A       mounting position     any       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715       height     90 mm	protection of the main circuit	
• at 500 V       gL/gG 40 A         • at 690 V       gL/gG 40 A         Installation/ mounting/ dimensions       any         fastening method       acrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         height       90 mm		
● at 690 V     gL/gG 40 A       Installation/ mounting/ dimensions     any       mounting position     any       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715       height     90 mm	• at 400 V	
Installation/ mounting/ dimensions         mounting position       any         fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         height       90 mm	• at 500 V	gL/gG 40 A
mounting position     any       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715       height     90 mm		gL/gG 40 A
fastening method       screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715         height       90 mm	Installation/ mounting/ dimensions	
height 90 mm	mounting position	any
	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	height	90 mm
width 45 mm	width	45 mm

depth	75 mm
required spacing	
• for grounded parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
<ul> <li>for grounded parts at 500 V</li> </ul>	5 mm
— downwards	20 mm
	20 mm
— upwards	9 mm
— at the side	9 11111
for live parts at 500 V	20 mm
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
<ul> <li>for grounded parts at 690 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
<ul> <li>for live parts at 690 V</li> </ul>	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), 2x (1 4 mm <sup>2</sup> )
- 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>	
— solid or 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
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
● for main contacts	M3
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 %
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul>	50 % 50 %
-	
• with high demand rate according to SN 31920	
• with high demand rate according to SN 31920 failure rate [FIT]	50 %
<ul> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT]</li> <li>with low demand rate according to SN 31920</li> </ul>	50 % 50 FIT
with high demand rate according to SN 31920 failure rate [FIT]     with low demand rate according to SN 31920 protection class IP on the front according to IEC 60529	50 % 50 FIT IP20
with high demand rate according to SN 31920 failure rate [FIT]     with low demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	50 % 50 FIT IP20 finger-safe, for vertical contact from the front
with high demand rate according to SN 31920 failure rate [FIT]     with low demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 display version for switching status	50 % 50 FIT IP20 finger-safe, for vertical contact from the front

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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 on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging 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=3RV1011-1HA10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1HA10 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1HA10

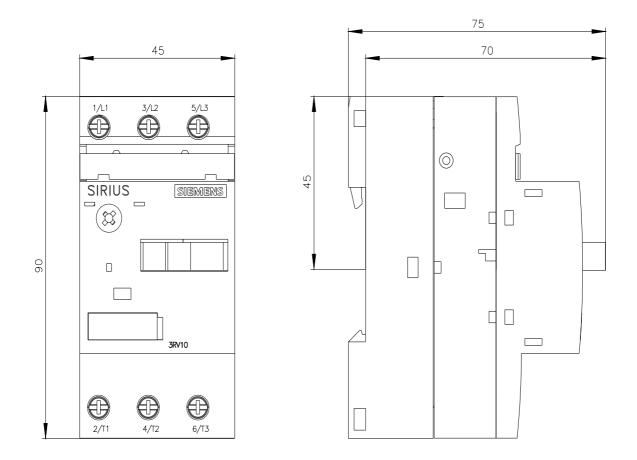
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

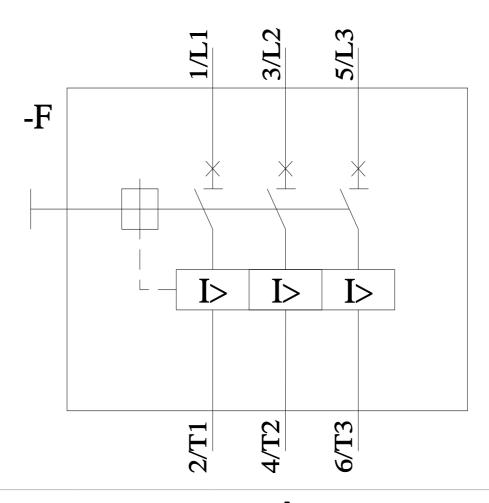
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-1HA10&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1HA10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1HA10&objecttype=14&gridview=view1





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