## **SIEMENS**

Data sheet 3RV1011-1KA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 9...12 A N-release 156 A Screw terminal Standard switching capacity

and dot have a discourse	OIDILIO
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
at AC in hot operating state per pole	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
of auxiliary contacts typical	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
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	9 12.5 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	12 A
operational current	

## At ACS at 400 V rated value   12 A    operating power   18 ACS   3 kW    - at 400 V rated value   5.5 kW    - at 400 V rated value   5.5 kW    - at 500 V rated value   7.5 kW    - at 500 V rated value   5.5 kW    - at 600 V rated value   6.5 kW    - at 600 V	1400 1400 1400 1400 1400 1400 1400 1400	40.4
operating power  I AC-3  I at 230 V rabed value  I at 400 V rabed value  I at 55 kW  I at 800 V rabed value  I 55 kW  I at 800 V rabed value  I 55 kW  I at 800 V rabed value  I 55 kW  I at 400 V rabed value  I 55 kW  I at 400 V rabed value  I 55 kW  I at 400 V rabed value  I 55 kW	at AC-3 at 400 V rated value	12 A
= at AC-3  — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 400 V rated value — at 55 kW — at 400 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 55 kW — at 500 V rated value — 75 kW  Protective and moutoring functions  product function — to your fault detection — yes — to Your fault devalue — or AC at 400 V rated value — or AC ac 400 V rated value —		12 A
		O LAM
		7.5 kW
— at 690 V rated value 7.5 kW  operating frequency   • at AC-3 maximum 15 1/h  Auxiliary circuit   number of CO contacts for auxiliary contacts   0  Protective and monitoring functions   product function   • ground fault detection   • pripase failure detection   • trip class   CLASS 10    design of the overload release   maximum short-circuit current breaking capacity (icu)   • at AC at 240 V rated value   • at AC at 240 V rated value   • at AC at 350 V rated value   • at AC at 360 V rated value   • at AC at 360 V rated value   • at AC or value   • at 400 V rated value   • at 500 V rated value   • at 600 V rated value   • at 800 V rated		
operating frequency		
e at AC-3 maximum  at AC-3e maximum  Auxillary circuit number of CO contacts for auxillary contacts  Protective and monitoring functions  product function  ground fault detection  phase failure detection  phase failure detection  Actification  at AC at 240 V rated value  at AC at 240 V rated value  at AC at 260 V rated value  at 400 V rated value  at 450 V rated value  at 500 V rated value  at		7.5 kW
a AC-3e maximum  Auxiliary circuit  number of CO contacts for auxiliary contacts  product function  a ground fault detection  b ground fault detection  c ground fault detection  product function  No  No  phase failure detection  Yes  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 500 V rated value  at AC at 500 V rated value  poperating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value  at 600 V rated value		
Auxiliary circuit number of CO contacts for auxiliary contacts  product function		
number of CO contacts for auxiliary contacts  Protective and monitoring functions  product function  • ground fault detection  • ground fault detection  • ground fault detection  • ground fault detection  Yes  trip class  CLASS 10  design of the overload release  design of the overload release  at AC at 400 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at 400 V rated value  • at 400 V rated value  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 600 V rated value  • at 800 V r		15 1/h
Protective and monitoring functions product function e ground fault detection Yes CLASS 10 design of the overload release maximum short-circuit current breaking capacity (icu) e at AC at 240 V rated value e at AC at 400 V rated value e at AC or tale value e at 400 V rated value e at 500 V rated value e at 690 V rated value e at 690 V rated value e at 800 V r		
product function ground fault detection ground fault detection yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 240 V rated value at AC at 400 V rated value at 200 V rated value at 400 V rated value at	·	0
• ground fault detection Yes trip class  trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 600 V rated value  • at 400 V rated value  • at 400 V rated value  • at 400 V rated value  • at 600 V rated value  • at 700 V	Protective and monitoring functions	
e phase failure detection  trip class  CLASS 10 design of the overload release  maximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value  at AC at 400 V rated value  at AC at 400 V rated value  at AC at 560 V rated value  at 400 V rated value  100 kA  at 400 V rated value  at 400 V rated value  at 500 V rated value  at 600 V rated value  at 600 V rated value  2 kA  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  Tull-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  12 A  at 600 V rated value  12 A  yielded mechanical performance [hp]  of or single-phase AC motor  at 100 V rated value  2 bp  of or 3-phase AC motor  at 200 V rated value  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 200 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf or 3-phase AC motor  at 480 V rated value  bf	•	
trip class  design of the overload release thermal  maximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value at AC at 400 V rated value 50 kA at AC at 550 V rated value 2 kA  operating short-circuit current breaking capacity (Ics) at AC at 400 V rated value 3 kA at 400 V rated value 3 kA 4 to 4 to 500 V rated value 3 kA  at 500 V rated value 3 kA 3 kA 3 kA 4 to 500 V rated value 3 kA 5 to 5 kA 5 to 6 to 6 to 6 to 7 to 7 to 7 to 7 to 7		
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 240 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 290 V rated value • at 690 V gl/g6 80 A • at 690 V • at 400 V • at 690 V	phase failure detection	
maximum short-circuit current breaking capacity (Icu)         at AC at 240 V rated value         100 kA           at AC at 400 V rated value         50 kA           at AC at 500 V rated value         3 kA           at AC at 500 V rated value         2 kA           operating short-circuit current breaking capacity (Ics) at AC         4 ta 240 V rated value           at 400 V rated value         13 kA           at 500 V rated value         3 kA           at 690 V rated value         2 kA           response value current of instantaneous short-circuit trip unit         156 A           UL/CSA ratings         4 ta 480 V rated value         12 A           at 600 V rated value         12 A           at 600 V rated value         12 A           yielded mechanical performance [hp]         6 in single-phase AC motor           -at 110/120 V rated value         2 hp           -for 3-phase AC motor         3 hp           -at 230 V rated value         3 hp           -at 220/230 V rated value         8 hp           -at 460/480 V rated value         8 hp           -at 576/600 V rated value         10 hp           Short-circuit protection         Yes           design of the fuse link for IT network for short-circuit protection of the main circuit         at 400 V	·	CLASS 10
at AC at 240 V rated value     at AC at 400 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 AC at 600 V rated value     at AC at 600 V rated value     at 400 V rated value     at 600 V rated value     at 200 V rated value     at 600 V rated value     at 600 V rated value     at 700 V rated value     at 600 V rated value     at 600 V rated value     at 700 V rated value     at 700 V rated value     at 800 V rated value     at 800 V rated value     at 75 x 600 V rated value     at 600 V rated val		thermal
at AC at 400 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 100 kA at 40 V rated value 13 kA at 500 V rated value 13 kA at 500 V rated value 2 kA response value current of instantaneous short-circuit trip unit 156 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 12 A set 600 V rated value 12 A set 600 V rated value 2 by ielded mechanical performance [hp] 6 or single-phase AC motor — at 110/120 V rated value 10 A flag 10 A		
at AC at 500 V rated value  at AC at 500 V rated value  operating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  at 600 V rated value  be for single-phase AC motor  at 100 I/20 V rated value  at 20 V rated value  at 230 V rated value  at 200 V rated value  at 200 V rated value  be for 3-phase AC motor  at 220/230 V rated value  at 400/480 V rated value  be response value current of instantaneous short-circuit protection  product function short circuit trip  design of the fuse link for IT network for short-circuit protection of the short-circuit trip  at 400 V  at 600 V  at 600 V  gUgG 80 A  gUgG 80 A  gUgG 50 A  Installation/mounting/dimensions  mounting position	<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
at AC at 690 V rated value  operating short-circuit current breaking capacity (ics) at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  at 500 V rated value  at 690 V rated value  befor single-phase AC motor  at 110/120 V rated value  at 230 V rated value  at 230 V rated value  at 220/230 V rated value  at 220/230 V rated value  at 240/280 V rated value  at 6040480 V rated value  befor 3-phase AC motor  at 260/280 V rated value  at 2720/230 V rated value  befor 3-phase AC motor  at 260/280 V rated value  befor 3-phase AC motor  at 260/280 V rated value  befor 3-phase AC motor  at 260/280 V rated value  befor 3-phase AC motor  at 260/280 V rated value  befor 3-phase AC motor  at 200/200 V rated value  befor 3-phase AC motor  at 2	<ul> <li>at AC at 400 V rated value</li> </ul>	50 kA
operating short-circuit current breaking capacity (ics) at AC  at 240 V rated value 100 kA  at 400 V rated value 3 kA  at 500 V rated value 2 kA  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value 12 A  yielded mechanical performance [hp]  for single-phase AC motor  -at 110/120 V rated value 2 hp  for 3-phase AC motor  -at 230 V rated value 2 hp  for 3-phase AC motor  -at 200/208 V rated value 3 hp  -at 220/230 V rated value 3 hp  -at 480/480 V rated value 3 hp  -at 480/480 V rated value 3 hp  -at 4575/600 V rated value 3 hp  -at 4575/600 V rated value 4 bp  Short-circuit protection  product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit 4 at 240 V  at 400 V  at 400 V  at 400 V  gL/gG 80 A  gL/gG 80 A  gL/gG 50 A  Installation/ mounting/ dimensions mounting position  ary	<ul> <li>at AC at 500 V rated value</li> </ul>	3 kA
	at AC at 690 V rated value	2 kA
at 400 V rated value at 500 V rated value at 500 V rated value 2 kA  eat 600 V rated value 156 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 12 A  yielded mechanical performance [hp]  for single-phase AC motor  - at 110/120 V rated value 2 hp  for 3-phase AC motor  - at 230 V rated value 2 hp  for 3-phase AC motor  - at 200/208 V rated value 2 hp  for 3-phase AC motor  - at 200/208 V rated value 3 hp  - at 220/230 V rated value 3 hp  - at 250/030 V rated value 3 hp  - at 460/480 V rated value 3 hp  - at 4575/600 V rated value 3 hp  - at 575/600 V rated value 4 bp  Short-circuit protection  product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit  at 240 V at 690 V at 690 V gL/gG 80 A gL/gG 50 A  Installation/ mounting/ dimensions mounting position  at 840 V ary  ary  Installation/ mounting/ dimensions  mounting position  12 A 2 kA 2	operating short-circuit current breaking capacity (Ics) at AC	
■ at 500 V rated value     ■ at 690 V rated value     ■ at 690 V rated value     response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor     ■ at 480 V rated value     ■ at 600 V rated value     ■ 2 A      intimized mechanical performance [hp]     ● for single-phase AC motor     — at 110/120 V rated value     — at 230 V rated value     ● for 3-phase AC motor     — at 220/228 V rated value     — at 220/230 V rated value     — at 460/480 V rated value     — at 460/480 V rated value     — at 460/480 V rated value     — at 575/600 V rated value     To high product function short circuit protection  product function short circuit protection  design of the short-circuit trip     design of the fuse link for IT network for short-circuit protection of the main circuit     • at 240 V     • at 4500 V     • at 690 V     • at 690 V     Installation/ mounting/ dimensions     mounting position      3 kA     2 kA      2 kB      4 k90 V	at 240 V rated value	100 kA
at 690 V rated value response value current of instantaneous short-circuit trip unit  ULCSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value at 600 V rated value 12 A  yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 2 hp  for 3-phase AC motor  — at 230 V rated value 2 hp  for 3-phase AC motor  — at 220/230 V rated value 3 hp  — at 220/230 V rated value 3 hp  — at 460/480 V rated value 8 hp  — at 575/600 V rated value 10 hp  Short-circuit protection  product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  at 240 V at 500 V at 690 V at 690 V gL/gG 80 A gL/gG 50 A Installation/ mounting/ dimensions mounting position  at 240 V at 900 C at 690 V and 690	at 400 V rated value	13 kA
response value current of instantaneous short-circuit trip unit  ULICSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  12 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  • at 220/230 V rated value  — at 220/230 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  product function short circuit protection  product function short circuit protection  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 240 V  • at 400 V  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position	at 500 V rated value	3 kA
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value • at 600 V rated value  • at 600 V rated value  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  3 hp  — at 260/480 V rated value  — at 575/600 V rated value  8 hp  — at 575/600 V rated value  10 hp  Short-circuit protection  product function short circuit trip  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 240 V  • at 400 V  • at 690 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  12 A  12	at 690 V rated value	2 kA
full-load current (FLA) for 3-phase AC motor  at 480 V rated value 12 A  it 600 V rated value 12 A  yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value 2 hp  for 3-phase AC motor  — at 200/208 V rated value 3 hp  — at 220/230 V rated value 3 hp  — at 460/480 V rated value 8 hp  — at 575/600 V rated value 10 hp  Short-circuit protection  product function short circuit protection design of the short-circuit trip magnetic  design of the fuse link for IT network for short-circuit protection of the main circuit  at 400 V at 500 V at 500 V at 500 V at 690 V  Justallation/ mounting/ dimensions mounting position  12 A  12	<u> </u>	156 A
■ at 480 V rated value     ■ at 600 V rated value     12 A        vielded mechanical performance [hp]       for single-phase AC motor	UL/CSA ratings	
• at 600 V rated value 12 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 0.5 hp — at 230 V rated value 2 hp  • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 220/230 V rated value 8 hp — at 575/600 V rated value 10 hp  Short-circuit protection  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 • at 240 V 9L/9G 80 A • at 400 V 9L/9G 50 A • at 690 V 9L/9G 50 A  Installation/ mounting/ dimensions  mounting position any	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value — at 230 V rated value 9 for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp — at 575/600 V rated value 10 hp  Short-circuit protection  product function short circuit protection  design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 690 V  Installation/ mounting/ dimensions mounting position  0.5 hp 0.5	at 480 V rated value	12 A
• for single-phase AC motor     — at 110/120 V rated value	at 600 V rated value	12 A
- at 110/120 V rated value	yielded mechanical performance [hp]	
- at 230 V rated value 2 hp  • for 3-phase AC motor  - at 200/208 V rated value 3 hp  - at 220/230 V rated value 8 hp  - at 460/480 V rated value 10 hp  Short-circuit protection  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  • at 240 V gL/gG 80 A  • at 400 V gL/gG 80 A  • at 690 V gL/gG 50 A  Installation/ mounting/ dimensions  mounting position any	<ul> <li>for single-phase AC motor</li> </ul>	
for 3-phase AC motor         — at 200/208 V rated value	— at 110/120 V rated value	0.5 hp
at 200/208 V rated value 3 hp at 220/230 V rated value 8 hp at 460/480 V rated value 10 hp  Short-circuit protection  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  • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position  3 hp  3 hp  3 hp  4 pp  3 hp  4 pp  5 pp  6 p	— at 230 V rated value	2 hp
- at 220/230 V rated value 3 hp - at 460/480 V rated value 8 hp - at 575/600 V rated value 10 hp  Short-circuit protection  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  • at 240 V gL/gG 80 A • at 400 V gL/gG 80 A  • at 500 V gL/gG 50 A  • at 690 V gL/gG 50 A  Installation/ mounting/ dimensions  mounting position any	• for 3-phase AC motor	
- at 460/480 V rated value 8 hp - at 575/600 V rated value 10 hp  Short-circuit protection  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  • at 240 V gL/gG 80 A • at 400 V gL/gG 80 A • at 500 V gL/gG 50 A  • at 690 V gL/gG 50 A  Installation/ mounting/ dimensions  mounting position any	<ul> <li>at 200/208 V rated value</li> </ul>	3 hp
The stable of the short-circuit protection  product function short circuit protection  product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 240 V  at 240 V  at 400 V  at 500 V  at 500 V  at 690 V  gL/gG 50 A  • at 690 V  Installation/ mounting/ dimensions  mounting position  10 hp  10 hp  10 hp  10 hp  11 hp  12 hp  13 hp  14 hp  15 hp  16 hp	— at 220/230 V rated value	3 hp
Short-circuit protection product function short circuit protection  design of the short-circuit trip magnetic  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 240 V substitute of the short-circuit • at 250 V substitute of the short-circuit protection of the main circuit  • at 250 V substitute of the short-circuit gL/gG 80 A substitute of the short-circuit gL/gG 80 A substitute of the short-circuit protection of the short-circuit gL/gG 80 A substitute of the short-circuit gL/gG 80 A substitu	— at 460/480 V rated value	8 hp
product function short circuit protection  design of the short-circuit trip  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  Yes  magnetic  gL/gG 80 A  gL/gG 80 A  gL/gG 80 A  gL/gG 50 A  any	— at 575/600 V rated value	10 hp
design of the short-circuit trip  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  magnetic  magnetic  magnetic  magnetic  magnetic  gL/gG 80 A  gL/gG 80 A  gL/gG 80 A  gL/gG 80 A  at 690 V  gL/gG 50 A  any	Short-circuit protection	
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  gL/gG 80 A  gL/gG 80 A  gL/gG 50 A  any	product function short circuit protection	Yes
protection of the main circuit	design of the short-circuit trip	magnetic
• at 240 V  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  gL/gG 80 A  gL/gG 50 A  gL/gG 50 A  any		
• at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  gL/gG 80 A  gL/gG 50 A  gL/gG 50 A  any	•	
• at 500 V     • at 690 V     • at 690 V  Installation/ mounting/ dimensions  mounting position  any		
• at 690 V gL/gG 50 A  Installation/ mounting/ dimensions  mounting position any	• at 400 V	
Installation/ mounting/ dimensions mounting position any		
mounting position any		gL/gG 50 A
	Installation/ mounting/ dimensions	
	mounting position	any
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height 90 mm	height	90 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
for grounded parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 500 V	·
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for grounded parts at 690 V	
— downwards	20 mm
— upwards	20 mm
— upwarus — backwards	0 mm
— at the side	9 mm
— forwards	0 mm
• for live parts at 690 V	O IIIIII
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
Connections/ Terminals	O IIIIII
type of electrical connection	
for main current circuit	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
type of connectable conductor cross sections	
type of connectable conductor cross-sections  • for main contacts	
— solid or stranded	2v (0 5
finely stranded with core end processing	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of connectable conductor cross-sections	2X (0.5 1.5 Hill), 2X (0.75 2.5 Hill)
<ul> <li>for auxiliary contacts</li> </ul>	
ealid or strandad	2v (0.5 1.5 mm²) 2v (0.75 2.5 mm²)
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
tightening torque	
• for main contacts with screw-type terminals	0.8 1.2 N·m
• for auxiliary contacts with screw-type terminals     • for auxiliary contacts with screw-type terminals	0.8 1.2 N·m 0.8 1.2 N·m
• for main contacts with screw-type terminals     • for auxiliary contacts with screw-type terminals     size of the screwdriver tip	0.8 1.2 N·m
tightening torque         • for main contacts with screw-type terminals         • for auxiliary contacts with screw-type terminals         size of the screwdriver tip     design of the thread of the connection screw	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
• for main contacts with screw-type terminals     • for auxiliary contacts with screw-type terminals     size of the screwdriver tip  design of the thread of the connection screw     • for main contacts	0.8 1.2 N·m 0.8 1.2 N·m
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  Safety related data	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  Safety related data  proportion of dangerous failures	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3
tightening torque  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts  Safety related data  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3  50 % 50 % 50 FIT
tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3  50 % 50 % 50 FIT 5 000
tightening torque  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts  Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3  50 % 50 % 50 FIT  5 000 IP20
tightening torque  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts  Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  B10 value with high 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	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3  50 % 50 % 50 % 50 FIT  5 000 IP20 finger-safe, for vertical contact from the front
tightening torque  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts  Safety related data  proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  B10 value with high 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	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3  50 % 50 % 50 FIT  5 000 IP20
tightening torque  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts  Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920  B10 value with high 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	0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2  M3  50 % 50 % 50 FIT  5 000 IP20 finger-safe, for vertical contact from the front













**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>





Marine / Shipping











**Miscellaneous** 

other

other

Railway

Confirmation



Special Test Certificate

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=3RV1011-1KA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1KA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1KA10

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

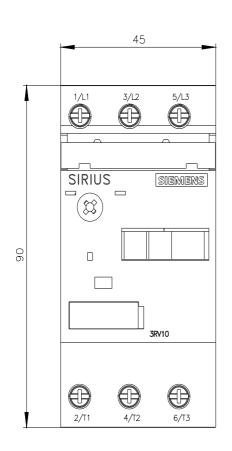
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-1KA10&lang=en

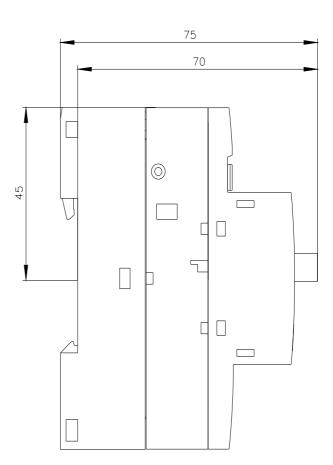
Characteristic: Tripping characteristics, I2t, Let-through current

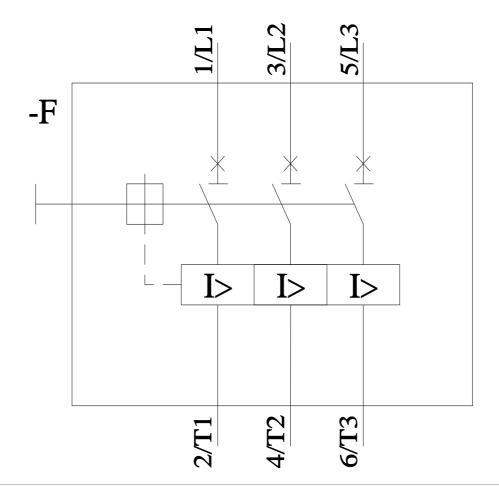
https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1KA10/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1KA10&objecttype=14&gridview=view1







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