## **SIEMENS**

Data sheet 3RV2321-1GC20



Circuit breaker size S0 for starter combination Rated current 6.3 A N-release 82 A Spring-type terminal Standard switching capacity

product brand name	SIRIUS	
product designation	Circuit breaker	
design of the product	For starter combinations	
product type designation	3RV2	
General technical data		
size of the circuit-breaker	S0	
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	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	10/01/2009	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
installation altitude at height above sea level maximum ambient temperature	2 000 m	
	-20 +60 °C	
ambient temperature		
ambient temperature  ● during operation	-20 +60 °C	
<ul><li>ambient temperature</li><li>during operation</li><li>during storage</li></ul>	-20 +60 °C -50 +80 °C	
<ul><li>ambient temperature</li><li>during operation</li><li>during storage</li><li>during transport</li></ul>	-20 +60 °C -50 +80 °C -50 +80 °C	
<ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>relative humidity during operation</li> </ul>	-20 +60 °C -50 +80 °C -50 +80 °C	
ambient temperature	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %	
ambient temperature	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %	
ambient temperature	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %	
ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  operating voltage  • rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %	
ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 20 690 V 690 V	
ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 20 690 V 690 V 690 V	
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit  number of poles for main current circuit operating voltage  • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 20 690 V 690 V 690 V 50 60 Hz	
ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 20 690 V 690 V 690 V 50 60 Hz	
ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %  3  20 690 V  690 V  690 V  50 60 Hz  6.3 A	
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit number of poles for main current circuit operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value operational current rated value operational current • at AC-3 at 400 V rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %  3  20 690 V  690 V  690 V  50 60 Hz  6.3 A	

	— at 230 V rated value	1.5 kW
	— at 400 V rated value	2.2 kW
= al AC-3e	— at 500 V rated value	3 kW
	— at 690 V rated value	4 kW
	• at AC-3e	
	— at 230 V rated value	1.5 kW
— at 60 V rated value   4 kW	— at 400 V rated value	2.2 kW
operating frequency  • at AC-S maximum  • at AC-S m	— at 500 V rated value	3 kW
operating frequency  • at AC-3e maximum  • at AC-3e maximum  • at AC-3e maximum  15 1th  Auxiliary circuit  number of NC contacts for auxiliary contacts  0 number of NC contacts for auxiliary contacts  0 number of NC contacts for auxiliary contacts  0 product function  • ground fault detection  • product function  • product function short circuit try  • product function short circuit from the function of the function of the function o	— at 690 V rated value	4 kW
earl AC-3 maximum	operating frequency	
availlary circuit  availlary circuit  availlary crosts  number of NC contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 0  Protective and monitoring functions  product function • prisse failure detection • prisse failure detection • prisse failure detection • prisse failure detection • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 800 V rated value • at 600 V rated value • at 800 V rated value • at		15 1/h
Auxiliary circuit number of NC contacts for auxiliary contacts		15 1/h
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 protect function e ground fault detection hyphase failure detection No ephase failure detection At AC at 240 V rated value 100 kA 14 AC at 240 V rated value 100 kA 14 AC at 250 V rated value 100 kA 14 AC at 250 V rated value 100 kA 14 AC at 250 V rated value 100 kA 14 AC at 250 V rated value 100 kA 15 AC at 250 V rated value 100 kA 16 AC at 250 V rated value 100 kA 17 AC at 250 V rated value 18 AC at 250 V rated value 19 AC at 250 V rated value 100 kA 18 AC at 250 V rated		
number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 reflective and monitoring functions product function • ground fault detection • ground fault detection No maximum short-circuit current breaking capacity (icu) • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 560 V rated value • at AC at 560 V rated value • at AC at 560 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rat		0
number of CO contacts for auxiliary contacts  Protective and monitoring functions  product function  • ground fault detection  • pround fault detection  • phase failure detection  • at AC at 240 V rated value  • at AC at 250 V rated value  • at AC at 590 V rated value  • at 240 V rated value  • at 240 V rated value  • at 240 V rated value  • at 3500 V rated value  • at		
Protective and monitoring functions  product function	<del>-</del>	
product function  ground fault detection  phase fallure detection  No  phase fallure detection  AC at 240 V rated value  at AC at 400 V rated value  by value  at 40 V rated value  at 40 V rated value  at 500 V rated value  at 600 V rated value  by at 600 V rated value  by at 600 V rated value  by at 600 V rated value  at 600 V rated value  at 600 V rated value  by at 600 V rated value  at 600 V rated value  by at 600 V rated value  at 600 V rated value  by at 600 V rated value  at 200 V rated value  by at 600 V rated value  at 600 V rated value  by at 600 V rated value  by at 600 V rated value  at 600 V rated value  by at 600 V rated value  coloring on 0 V rated value  by at 600 V rated value  coloring on 0 V rated value  by at 600 V rated value  coloring on 0 V rated value	·	
e ground fault detection phase failure detection No phase failure detection No no maximum short-circuit current breaking capacity (lcu) e at AC at 240 V rated value 100 kA e at AC at 450 V rated value 100 kA e at AC at 550 V rated value 100 kA e at AC at 650 V rated value 100 kA e at AC at 650 V rated value 100 kA e at 400 V rated value 100 kA e at 400 V rated value 100 kA e at 400 V rated value 100 kA e at 650 V rated value 115 hp e at 250 V rated value 15 hp e at 57,5600 V rated value 15 hp e at 57,5600 V rated value 179 mm e value 170 mm e		
	•	No
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 4500 V rated value         100 kA           at AC at 5500 V rated value         6 kA           operating short-circuit current breaking capacity (ics) at AC         6 kA           at 240 V rated value         100 kA           at 4500 V rated value         100 kA           at 500 V rated value         4 kA           response value current of instantaneous short-circuit trip unit         22 A           UC/CSA ratings         4 kA           full-load current (FLA) for 3-phase AC motor         6.3 A           at 600 V rated value         6.3 A           at 600 V rated value         6.3 A           vielded mechanical performance (hp)         6.3 A           i or single-phase AC motor         0.25 hp           at 200 V rated value         0.5 hp           i or 3-phase AC motor         1 hp           at 2002/30 V rated value         1.6 fp           at 460/480 V rated value         3 hp           at 55/500 V rated value         5 hp           section of the short-circuit trip         magnetic           Installation mounting dimensions         any           fas	-	
• at AC at 240 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 690 V rated value • at 40 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 500 V rated value • at 690 V rated value • at 600 V rated value • at 200 V rated value • at 600 V rated value • at 200 V rated value • at 600 V rated value • at 200 V rated value • at 500 V rated value • at 500 V rated value • bin 3 hp • at 400 480 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • bin 3 hp • at 400 480 V rated value • at 575600 V rated value • at 600 V rated value • bin 7 v rated value • of 0	·	INU
		400 l-4
e at AC at 690 V rated value operating short-circuit current breaking capacity (les) at AC e at 240 V rated value 100 kA 100 kA 1100 k		
operating short-circuit current breaking capacity (ics) at AC  at 1240 V rated value at 400 V rated value 100 kA at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A  UL/GSA ratins  full-load current (FLA) for 3-phase AC motor at 1480 V rated value 6.3 A solid mechanical performance (hp) for single-phase AC motor - at 110/120 V rated value 6.3 A  yielded mechanical performance (hp) for single-phase AC motor - at 110/120 V rated value 0.25 hp - at 230 V rated value 0.5 hp  for 3-phase AC motor - at 200/208 V rated value 1.5 hp - at 460/480 V rated value - at 270/200 V rated value 3 hp - at 460/480 V rated value - at 575/600 V rated value 3 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value - at 576/600 V rated value - at 676/600 V rated value		
		6 kA
at 400 V rated value at 500 V rated value 100 KA  at 690 V rated value response value current of instantaneous short-circuit trip unit  BZ A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 600 V rated value 6.3 A at 600 V rated value 6.3 A  yielded mechanical performance [hp]  of or single-phase AC motor — at 1101/20 V rated value 0.25 hp — at 220 V rated value  of 3-phase AC motor — at 220 V rated value 1 hp — at 220/230 V rated value 1.5 hp — at 460/480 V rated value 3 hp — at 575/600 V rated value 3 hp  Tort-circuit protection  product function short circuit protection yes design of the short-circuit trip magnetic Installation/mounting/dimensions  mounting position fastening method hoight vidth 45 mm depth vidth 45 mm depth required spacing • with side-by-side mounting at the side of or grounded parts at 400 V — downwards — at the side  or mother circuit protes  or mounting or mountin	operating short-circuit current breaking capacity (Ics) at AC	
at 500 V rated value  at 690 V rated value  at 690 V rated value  2 kA  4 kA  response value current of instantaneous short-circuit trip unit  DUCSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  6.3 A  4 te 600 V rated value  6.3 A  yielded mechanical performance [hp]  of or single-phase AC motor  at 110/120 V rated value  0.25 hp  for 3-phase AC motor  at 2200 V rated value  1 hp  at 2200 V rated value  1 hp  at 2200/230 V rated value  1 hp  at 460/480 V rated value  3 hp  at 6575/600 V rated value  5 hp  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  magnetic  Installation/ mounting/ dimensions  mounting position  fastening method  height  119 mm  width  depth  97 mm  required spacing  • with side-by-side mounting at the side  of or grounded parts at 400 V  — downwards — upwards — at the side  9 mm	at 240 V rated value	100 kA
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 400 V rated value	100 kA
response value current of instantaneous short-circuit trip unit  ULCSA ratings  full-load current (FLA) for 3-phase AC motor	at 500 V rated value	100 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 1101/20 V rated value • for 3-phase AC motor  — at 230 V rated value • for 3-phase AC motor  — at 220/208 V rated value • for 3-phase AC motor  — at 200/208 V rated value • for 3-phase AC motor  — at 220/208 V rated value • 1 hp  — at 220/230 V rated value • 1 .5 hp  — at 460/480 V rated value • 3 hp  — at 475/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position  fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height vidth 45 mm  depth 97 mm  required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — upwards — at the side 9 mm	at 690 V rated value	4 kA
full-load current (FLA) for 3-phase AC motor		82 A
■ at 480 V rated value     ■ at 600 V rated value     ■ 6.3 A              vielded mechanical performance [hp]             for single-phase AC motor	UL/CSA ratings	
• at 600 V rated value  yielded 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 220/208 V rated value 1 hp — at 220/230 V rated value 1 hp — at 4575/600 V rated value 3 hp — at 4575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm  width 45 mm  depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side  9 mm	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]  • for single-phase AC motor  — at 1101/20 V rated value — at 230 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 1.5 hp — at 460/480 V rated value 3 hp — at 575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection  product function short circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm  vidth 45 mm depth 97 mm  required spacing • with side-by-side mounting at the side • or grounded parts at 400 V — downwards — upwards — upwards — at the side  0 25 hp 0.25 h	<ul> <li>at 480 V rated value</li> </ul>	6.3 A
for single-phase AC motor         — at 110/120 V rated value         — at 230 V rated value         — at 230 V rated value         • for 3-phase AC motor         — at 220/230 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — bp  Short-circuit protection  product function short circuit protection  product function short circuit trip         magnetic  Installation/ mounting/ dimensions  mounting position	at 600 V rated value	6.3 A
- at 110/120 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 1.5 hp  - at 460/480 V rated value 3 hp  - at 575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection 4 yes design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 119 mm  width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side 0 mm  • for grounded parts at 400 V  - downwards 30 mm  - upwards 30 mm  - at the side 9 mm	yielded mechanical performance [hp]	
- at 230 V rated value  • for 3-phase AC motor  - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 575/600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 119 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V - downwards - upwards - upwards - upwards - at the side  9 mm	<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	0.25 hp
- at 200/208 V rated value 1 hp - at 220/230 V rated value 1.5 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection 4 yes design of the short-circuit trip 5 magnetic  Installation/ mounting/ dimensions  mounting position 2 any fastening method 3 screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 119 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side 0 mm  • for grounded parts at 400 V - downwards 30 mm - upwards 30 mm - at the side 9 mm	— at 230 V rated value	0.5 hp
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V - downwards - upwards - upwards - at the side  9 mm	• for 3-phase AC motor	
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V - downwards - upwards - upwards - at the side  9 mm	— at 200/208 V rated value	1 hp
- at 460/480 V rated value 5 hp  Short-circuit protection  product function short circuit protection Yes  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 119 mm  width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side 9 mm	— at 220/230 V rated value	1.5 hp
- at 575/600 V rated value 5 hp  Short-circuit protection  product function short circuit protection Yes  design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 119 mm  width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side 0 mm  • for grounded parts at 400 V  — downwards 30 mm  — upwards 30 mm  — at the side 9 mm	— at 460/480 V rated value	·
Short-circuit protection  product function short circuit protection  design of the short-circuit trip  magnetic  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  119 mm  width  45 mm  depth  97 mm  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — upwards — upwards — at the side  9 mm	— at 575/600 V rated value	
product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — upwards — at the side  Yes  magnetic  119 m  400 N  97 mm  0 m  0 m  0 m  0 m  0 m  0 m  0 m	Short-circuit protection	
design of the short-circuit trip Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — upwards — at the side  9 mm		Yes
Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 119 mm width 45 mm depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side 9 mm	· ·	- 17
mounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height119 mmwidth45 mmdepth97 mmrequired spacing0 mm• with side-by-side mounting at the side0 mm• for grounded parts at 400 V30 mm— downwards30 mm— upwards30 mm— at the side9 mm		
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 119 mm  width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — upwards — at the side 9 mm		any
height width 45 mm  depth 97 mm  required spacing  ● with side-by-side mounting at the side ● for grounded parts at 400 V  — downwards — upwards — at the side  119 mm  45 mm  0 mm  30 mm  30 mm  9 mm		·
width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side 0 mm  • for grounded parts at 400 V  — downwards 30 mm  — upwards 30 mm  — at the side 9 mm		
depth     97 mm       required spacing     • with side-by-side mounting at the side     0 mm       • for grounded parts at 400 V     - downwards     30 mm       — upwards     30 mm       — at the side     9 mm		
required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — upwards — at the side  9 mm		
<ul> <li>with side-by-side mounting at the side</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>0 mm</li> <li>30 mm</li> <li>30 mm</li> <li>9 mm</li> </ul>		O/ 111111
<ul> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>30 mm</li> <li>9 mm</li> </ul>		0.mm
<ul> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>30 mm</li> <li>9 mm</li> </ul>		O IIIIII
<ul><li>upwards</li><li>at the side</li><li>9 mm</li></ul>	- '	20
— at the side 9 mm		
	— upwards	
◆ tor live parts at 400 V	·	
	— at the side	

<ul> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts at 500 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> </ul>	30 mm 30 mm 9 mm
<ul> <li>— at the side</li> <li>• for grounded parts at 500 V</li> <li>— downwards</li> <li>— upwards</li> </ul>	9 mm
— downwards — upwards	
— downwards — upwards	
·	30 mm
·	30 mm
	9 mm
• for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	O Hilli
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
onnections/ Terminals	Ottilli
type of electrical connection	
for main current circuit	spring-loaded terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	Top and bottom
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (1 10 mm²)
— finely stranded with core end processing	2x (1 6 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1 6 mm²)
for AWG cables for main contacts	2x (18 8)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
afety related data	
B10 value	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	5 000
proportion of dangerous failures	
with low demand rate according to SN 31920	50 %
with high demand rate according to SN 31920	50 %
failure rate [FIT]	
with low demand rate according to SN 31920	50 FIT
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
	Handle
display version for switching status	
display version for switching status ertificates/ approvals	

Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

**Special Test Certific**ate







Marine / Shipping other Railway







Confirmation



Vibration and Shock

## Railway

Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working 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=3RV2321-1GC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2321-1GC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-1GC20

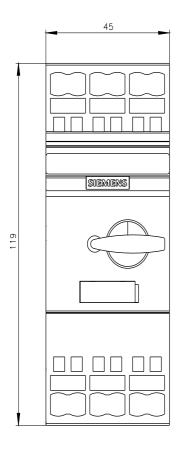
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

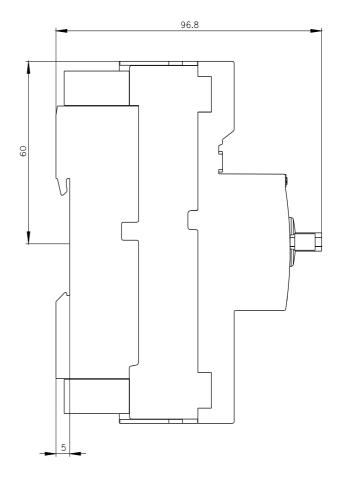
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2321-1GC20&lang=en

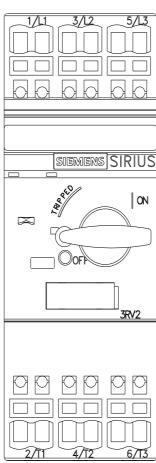
Characteristic: Tripping characteristics, I2t, Let-through current

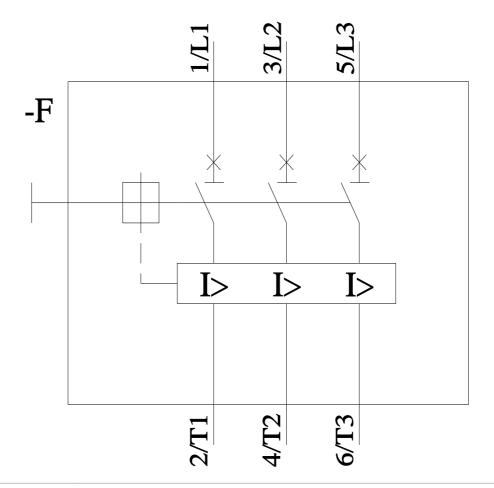
https://support.industry.siemens.com/cs/ww/en/ps/3RV2

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2321-1GC20&objecttype=14&gridview=view1









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