## **SIEMENS**

Data sheet 3RV2311-0JC20



Circuit breaker size S00 for starter combination Rated current 1 A N-release 13 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	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	7.25 W
at AC in hot operating state per pole	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 (switching cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
of auxiliary contacts typical	100 000
electrical endurance (switching 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
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
<ul> <li>during storage</li> </ul>	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
operating voltage	
<ul><li>rated value</li></ul>	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operating frequency rated value	50 60 Hz
operational current rated value	1 A
operational current	
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	1 A
<ul> <li>at AC-3e at 400 V rated value</li> </ul>	1 A

- #1 AC-3		
	• at AC-3	
at 500 V rated value		
at 90 V rated value		
at 230 V rated value		0.6 kW
— at 500 V rated value		
oparating frequency		
at AC-3 maximum at AC-3 maximum 15 1/h  Auxiliary circuit  number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 product function ground fault detection product function of a ground fault detection of the phase failure detection breaking capacity maximum short-circuit current (Icu) of AC at 240 V rated value of AC at 240 V rated value of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC at 2500 V rated value of AC of AC of AC at 2500 V rated value of AC of AC of AC at 2500 V rated value of AC of AC of AC at 2500 V rated value of AC o		U.6 KVV
auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts  Protective and monitoring functions  product function  ground fault detection  ho phase failure detection  or at AC at 240 V rated value  at AC at 240 V rated value  at AC at 500 V fated value  at AC at 500 V rated value  at AC at 400 V rated value  at AC at 400 V rated value  at AC at 400 V rated value  at 400 V rated value  at 600 V rated value  bull-CSA ratings  full-load current (FLA) for 3-phase AC motor  at 48 V rated value  at 600 V rated value  1 A  at 600 V rated value  1 A  at 600 V rated value  2 A  bull-CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  1 A  at 600 V rated value  2 A  bull-CSA ratings  full-toad current (FLA) for 3-phase AC motor  at 480 V rated value  1 A  at 600 V rated value  2 A  bull-CSA ratings  full-toad current (FLA) for 3-phase AC motor  at 480 V rated value  3 A  at 600 V rated value  4 A  at 600 V rated value  5 A  5 A  5 A  5 A  5 A  5 A  5 A  5		45 4/L
Auxiliary circuit number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions product function • ground fault detection • phase failure detection  breaking capacity maximum short-circuit current (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 500 V rated value • at AC at 500 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated valu		
number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of CC contacts for auxillary contacts 0 protective and monitoring functions product function • ground fault detection • ground fault detection • product function • ground fault detection • product function • ground fault detection • no • praise failure detection • No  Preside ground fault detection • At AC at 400 V rated value • At AC at 400 V rated value • At 600 V rated va		15 1/n
number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts 0 protective and monitoring functions product function e ground fault detection No breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value at AC at 400 V rated value to At AC at 500 V rated value at AC at 590 V rated value to At AC at 690 V rated value to AC at 400 V rated value to AC at 500 V rated value to AC 500 AC at 500 AC at 500 A		
number of CO contacts for auxiliary contacts  Protective and monitoring functions  product function  e ground fault detection  by hase failure detection  vo  e phase failure detection  ho  breaking capacity maximum short-circuit current (icu)  e at AC at 240 V rated value  e at AC at 500 V rated value  to ta AC at 500 V rated value  e at AC at 500 V rated value  to ta AC at 500 V rated value  e at 440 V rated value  to ta AC at 500 V rated value  100 kA  e at 400 V rated value  100 kA  e at 400 V rated value  100 kA  e at 500 V rated value  100 kA  e at 690 V rated value  100 kA  e at 600 V rated value  1 A  yielded mechanical performance [hp]  e for 3-phase AC motor  — at 57/600 V rated value  1 A  yielded mechanical performance [hp]  e for 3-phase AC motor  — at 57/600 V rated value  2 by glided mechanical performance [hp]  e for 3-phase AC motor  — at 57/600 V rated value  2 cs was a sap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  depth  e for grounded parts at 400 V  — downwards  30 mm		
Protective and monitoring functions product function e ground fault detection Phase failure detection on the activity of the state of t		
product function	,	0
ground fault detection     phase failure detection     phase failure detection     No     breaking capacity maximum short-circuit current (Icu)     at AC at 240 V rated value     at AC at 4500 V rated value     at AC at 550 V rated value     at AC at 590 V rated value     at AC at 590 V rated value     at AC at 690 V rated value     at AC at 690 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 500 V rated value     at 690 V rated value	-	
praking capacity maximum short-circuit current (icu)     at AC at 240 V rated value     at AC at 400 V rated value     at AC at 500 V rated value     breaking capacity operating short-circuit current (ics) at AC     at 240 V rated value     at 500 V rated value     at 600 V rated value	•	
breaking capacity maximum short-circuit current (Icu)  at AC at 240 V rated value  at AC at 400 V rated value  to At AC at 500 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  to KA	3	
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 500 V rated value     at 500 V rated value     at 600 V rated value     100 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     1 A     at 600 V rated value     1 A     yielded mechanical performance [hp]     for 3-phase AC motor     —at 575/600 V rated value     0.5 hp  Short-circuit protection  product function short circuit protection     design of the short-circuit trip     design of the short-circuit trip     design of the short-circuit trip     at 600 V rated value     3.5 hp  Installation/ mounting dimensions  mounting position     fastening method     screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height     width     45 mm  depth  required spacing     for grounded parts at 400 V —downwards     30 mm		No .
at AC at 400 V rated value at AC at 500 V rated value 100 kA breaking capacity operating short-circuit current (ics) at AC at 240 V rated value 100 kA  at 240 V rated value 100 kA  at 240 V rated value 100 kA  at 500 V rated value 100 kA  response value current of instantaneous short-circuit trip unit  response value current of instantaneous short-circuit trip unit  13 A  ILLICAS ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 1 A  yielded mechanical performance [hp]  for 3-phase AC motor - at 575/600 V rated value 1 A  yielded mechanical performance [hp]  for 3-phase AC motor - at 575/600 V rated value 0.5 hp  Short-circuit protection  product function short circuit protection design of the short-circuit trip adsign of the fuse link for IT network for short-circuit protection of the main circuit at 500 V gL/gG 10 A gL/gG 10 A gL/gG 10 A  installation/ mounting/ dimensions  mounting position fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height width 45 mm depth required spacing  for grounded parts at 400 V - downwards 30 mm		
at AC at 500 V rated value at AC at 500 V rated value 100 kA breaking capacity operating short-circuit current (lcs) at AC at 240 V rated value 100 kA at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 600 V rated value 100 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 1 A yielded mechanical performance [hp] for 3-phase AC motor at 575/600 V rated value 0.5 hp  Short-circuit protection  product function short circuit protection design of the 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 600 V at 690 V Installation/ mounting/ dimensions  mounting position fastening method  height width 45 mm depth erquired spacing for at 240 V rated value value 100 kA		
• at AC at 690 V rated value  breaking capacity operating short-circuit current (ics) at AC  • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  • 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 • at 675/600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  at 500 V • at 500 V • at 690 V  gL/gG 10 A  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height width depth  required spacing • for grounded parts at 400 V — downwards  30 mm		
breaking capacity operating short-circuit current (Ics) at AC  at 240 V rated value at 400 V rated value 100 kA at 690 V rated value 1100 kA response value current of instantaneous short-circuit trip unit  13 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 1 A at 800 V rated value 1 A yielded mechanical performance [hp] 6 for 3-phase AC motor — at 575/600 V rated value 0.5 hp  Short-circuit protection product function short circuit protection 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 protection of the main circuit at 550 V at 550 V gL/GG 10 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height width 45 mm depth erequired spacing for grounded parts at 400 V — downwards 30 mm		
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 • 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 • at 600 V rated value 1 A  yielded mechanical performance [hp] • (or 3-phase AC motor — at 575/600 V rated value  Droduct function short circuit protection  gesjon of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height width depth 97 mm  required spacing • for grounded parts at 400 V — downwards 30 mm		100 KA
at 240 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA at 690 V rated value 100 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 1 A set 600 V rated value 1 A vielded mechanical performance [hp] for 3-phase AC motor — at 575/600 V rated value 0.5 hp  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 500 V at 690 V gL/gG 10 A  Installation/ mounting/ dimensions  mounting position fastening method according to DIN EN 60715 height 106 mm width depth 97 mm required spacing for grounded parts at 400 V — downwards 30 mm		
at 500 V rated value at 690 V rated value 100 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 1 A to 4600 V rated value 1 A yielded mechanical performance [hp] for 3-phase AC motor at 575/600 V rated value 0.5 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 500 V at 690 V gL/gG 10 A gL/gG 10 A gL/gG 10 A Installation/ mounting/ dimensions mounting position any fastening method according to DIN EN 60715 height width 45 mm depth required spacing for grounded parts at 400 V — downwards 30 mm		100 kA
o 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     o at 480 V rated value     o at 600 V rated value     o at 600 V rated value     o for 3-phase AC motor     o at 575/600 V rated value     o o shop 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     o at 690 V     o at 690 V     ol 4690 V     ol 690 V	at 400 V rated value	100 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  • at 600 V rated value  • for 3-phase AC motor  — at 575/600 V rated value  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 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  in 106 mm  width  depth  required spacing  • for grounded parts at 400 V  — downwards  1 A  1 A  1 A  1 A  1 A  1 A  1 A  1	at 500 V rated value	100 kA
unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  • for 3-phase AC motor  — at 575/600 V rated value  Droduct function short circuit protection  reduction of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  depth  required spacing  • for grounded parts at 400 V  — downwards  1 A  1 A  1 A  1 A  1 A  1 A  1 A  1	<ul> <li>at 690 V rated value</li> </ul>	100 kA
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value 1 A  yielded mechanical performance [hp] • for 3-phase AC motor — at 575/600 V rated value  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 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  according to DIN EN 60715  height width depth 97 mm  required spacing • for grounded parts at 400 V — downwards  1 A  1 A  1 A  1 A  1 A  1 A  1 A  1		13 A
at 480 V rated value at 600 V rated value  yielded mechanical performance [hp]  of or 3-phase AC motor — at 575/600 V rated value  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  o at 500 V o at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  width  depth  required spacing of for grounded parts at 400 V — downwards  1 A  1 A  1 A  1 A  1 A  1 A  1 A  1	UL/CSA ratings	
• at 600 V rated value  yielded mechanical performance [hp]     • for 3-phase AC motor     — at 575/600 V rated value  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 500 V     • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  width  depth  required spacing     • for grounded parts at 400 V  — downwards  1 A  A  A  A  A  A  A  A  A  A  A  A  A	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]  • for 3-phase AC motor  — at 575/600 V rated value  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 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  45 mm  depth  required spacing  • for grounded parts at 400 V  — downwards  30 mm	<ul> <li>at 480 V rated value</li> </ul>	1 A
• for 3-phase AC motor     — at 575/600 V rated value  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 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  106 mm  width  45 mm  depth  required spacing • for grounded parts at 400 V — downwards  0.5 hp  Yes  Magnetic  9L/gG 10 A  gL/gG 10 A  gL/gG 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  97 mm	<ul> <li>at 600 V rated value</li> </ul>	1 A
- at 575/600 V rated value  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 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  any  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  depth  required spacing  • for grounded parts at 400 V  — downwards  yes  0.5 hp  Yes  magnetic  Yes  magnetic  gL/gG 10 A  gL/gG 10 A  gL/gG 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  97 mm	yielded mechanical performance [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 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  depth  required spacing  • for grounded parts at 400 V  — downwards  Yes  magnetic  Yes  magnetic  yes  magnetic  angu-/  gL/gG 10 A  gL/gG 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  97 mm	<ul> <li>for 3-phase AC motor</li> </ul>	
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 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  45 mm  depth  required spacing • for grounded parts at 400 V — downwards  Yes  magnetic  magnetic  magnetic  gL/gG 10 A  gL/gG 10 A  gL/gG 10 A  gL/gG 10 A  Installation/ mounting/ dimensions  any  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  30 mm		0.5 hp
design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width 45 mm  depth required spacing • for grounded parts at 400 V — downwards  magnetic  pulse 10 A  gL/gG 10 A	Short-circuit protection	
design of the fuse link for IT network for short-circuit protection of the main circuit  at 500 V at 690 V gL/gG 10 A  Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height tioh mm width 45 mm depth required spacing for grounded parts at 400 V — downwards  30 mm	product function short circuit protection	Yes
protection of the main circuit  at 500 V  at 690 V  gL/gG 10 A  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  106 mm  width 45 mm  depth  required spacing  for grounded parts at 400 V  — downwards  30 mm		magnetic
<ul> <li>at 690 V</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>30 mm</li> </ul>		
Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  106 mm  width  45 mm  depth  97 mm  required spacing  • for grounded parts at 400 V — downwards  30 mm		
mounting position     any       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715       height     106 mm       width     45 mm       depth     97 mm       required spacing <ul> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>30 mm</li> </ul>		gL/gG 10 A
fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  106 mm  width  45 mm  depth  required spacing  • for grounded parts at 400 V  — downwards  30 mm		
according to DİN EN 60715  height 106 mm  width 45 mm  depth 97 mm  required spacing  ● for grounded parts at 400 V — downwards 30 mm		·
width 45 mm  depth 97 mm  required spacing  ● for grounded parts at 400 V — downwards 30 mm	fastening method	according to DIN EN 60715
depth 97 mm  required spacing  ● for grounded parts at 400 V  — downwards 30 mm		
required spacing  • for grounded parts at 400 V  — downwards  30 mm		
◆ for grounded parts at 400 V     — downwards	•	97 mm
— downwards 30 mm		
— upwards 30 mm		
	— upwards	30 mm

— at the side	9 mm	
<ul> <li>for live parts at 400 V</li> </ul>		
— downwards	30 mm	
— upwards	30 mm	
— at the side	9 mm	
<ul> <li>for grounded parts at 500 V</li> </ul>		
— downwards	30 mm	
— upwards	30 mm	
— at the side	9 mm	
• for live parts at 500 V		
— downwards	30 mm	
— upwards	30 mm	
— at the side	9 mm	
• 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		
— downwards	50 mm	
— upwards	50 mm	
— backwards	0 mm	
— at the side	30 mm	
— forwards	0 mm	
Connections/ Terminals	· · · · · ·	
type of electrical connection		
for main current circuit	spring-loaded terminals	
arrangement of electrical connectors for main current	Top and bottom	
circuit		
type of connectable conductor cross-sections		
<ul> <li>for main contacts</li> </ul>		
<ul><li>— solid or stranded</li></ul>	2x (0,5 4 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)	
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)	
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (20 12)	
design of screwdriver shaft	Diameter 3 mm	
size of the screwdriver tip	3,0 x 0,5 mm	
Safety related data		
B10 value		
<ul> <li>with high demand rate according to SN 31920</li> </ul>	5 000	
proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 %	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	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 y	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
display version for switching status	Handle	
Certificates/ approvals		
General Product Approval		Declaration of Conformity



Confirmation







**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

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







Marine / Shipping

other









Confirmation



## Railway

Vibration and Shock Confirmation

## **Further information**

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=3RV2311-0JC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-0JC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0JC20

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-0JC20&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0JC20/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0JC20&objecttype=14&gridview=view1

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