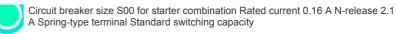
## **SIEMENS**

Data sheet 3RV2311-0AC20







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>	5.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.8 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
of auxiliary contacts typical	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-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
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	0.16 A
operational current	

* #I AC-3 at 4 00 V rated value  * #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 at 4 00 V rated value  - #I AC-3 are assimum  - #I AC		
operating power  at 200 V rated value  At 200 V rated value  At 500 V rated value  At 600 V rated value  At 60	• at AC-3 at 400 V rated value	
# At AC-3	• at AC-3e at 400 V rated value	0.16 A
at 500 V rated value	— at 400 V rated value	0 kW
	— at 500 V rated value	0.1 kW
	— at 690 V rated value	0.1 kW
	• at AC-3e	
	— at 230 V rated value	0 kW
operating frequency	— at 400 V rated value	
operating frequency	— at 500 V rated value	0.1 kW
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 product function • ground fault detection • product function • product function • product function • phase failure detection • AC at 240 V rated value • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 2500 V rated value • at AC at 2600 V rated value • porating short-circuit current breaking capacity (tcs) at AC • at 240 V rated value • at 600 V rated value • at 800 V rated		0.1 kW
Auxiliary circuit Jumiber of NC contacts for auxiliary contacts Jumiber of NC Contacts Jumi		
Auxiliary circuit number of NC contacts for auxiliary contacts 10 number of NC contacts for auxiliary contacts 10 number of CO contacts for auxiliary contacts 10 number of CO contacts for auxiliary contacts 10 product function 10 ground fault delection 10 product function 10 place fallure detection 10 No 10 place fallure detection 100 No 10 place fallure detection 100 No		
number of NC contacts for auxiliary contacts		15 1/h
number of NO contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0 protective and monitoring functions product function  • ground fault detection No  • phase failure detection No  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 v rated value 100 kA  • at AC at 500 V rated value 100 kA  • at AC at 500 V rated value 100 kA  • at AC of 500 V rated value 100 kA  • at 400 V rated value 100 kA  • at 500 V rated value 100 kA  • at 400 V rated value 100 kA  • at 500 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 600 V rated value 100 kA  • at 480 V rated value 100 kA  • at 480 V rated value 0,16 A  Short-circuit protection Ves  design of the short-circuit trip magnetic Installation mounting idimensions  mounting position short-circuit trip magnetic Installation mounting idimensions  mounting position 45 mm  steevand snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 0,000 mm  • with side by-side mounting at the side 9 mm  • for grounded parts at 400 V  — downwards 30 mm  — upwards 90 mm  • for grounded parts at 500 V		
number of CO contacts for auxiliary contacts  Protective and monitoring functions  product function  ground fault detection  phase failure detection  at AC at 240 V rated value  at AC at 240 V rated value  at AC at 400 V rated value  at AC at 690 V rated value  at AC at 490 V rated value  at 400 V rated value  at 400 V rated value  at 690 V rated value  but 690 V rated value  at 690 V rated value  at 690 V rated value  at 690 V rated value  but 690 V rated value  at 690 V rated value  but 690 V rated value  at 690 V rated value  but 690 V rated value  cresponse value current (FLA) for 3-phase AC motor  at 480 V rated value  but 690 V rated value  current (FLA) for 3-phase AC motor  at 690 V rated value  current function function function function function fu		
Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  maximum short-circuit current breaking capacity (icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 680 V rated value  • at 240 V rated value  • 100 kA  • at 240 V rated value  • 100 kA  • at 400 V rated value  • 100 kA  • at 400 V rated value  • 100 kA  • at 500 V rated value  • 100 kA  • at 600 V rated value  • 100 kA  • at 600 V rated value  • 100 kA  • at 600 V rated value  • 100 kA  • at 800 V rated value  • 100 k		
product function		0
ground fault detection		
phase failure detection  maximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value  100 kA  100 kA  1100	•	
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 590 V rated value  at AC at 590 V rated value  100 kA  at 40 V rated value  100 kA  at 400 V rated value  100 kA  at 590 V rated value  100 kA  response value current of instantaneous short-circuit trip unit  UCSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  0.16 A  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  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  • for grounded parts at 500 V  — downwards  — at the side  • for grounded parts at 500 V	-	
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 400 V rated value     at 500 V rated value     at 690 V rated value     at 6		No
■ at AC at 400 V rated value     ■ at AC at 500 V rated value     ■ at AC at 690 V rated value     ■ at AC at 690 V rated value     ■ at 400 V rated value     ■ at 690 V rated value     ■ at 480 V rated value     ■ at 690 V rated v		
at AC at 500 V rated value  at AC at 500 V rated value  poerating 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 500 V rated value  too kA  at 500 V rated value  at 500 V rated value  at 600 V rated value  at 600 V rated value  at 600 V rated value  too kA  response value current of instantaneous short-circuit trip unit  DL/GSA ratings  full-load current (FLA) for 3-phase AC motor  at 800 V rated value  at 800 V rated value  0.16 A  Short-circuit protection  product function short circuit protection  vest 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 607 15  height  vidth  depth  apy mm  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards  — at the side  • for live parts at 400 V  — downwards  — at the side  • for grounded parts at 500 V	<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 val	<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA
operating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value 100 kA at 400 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 0.16 A 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 106 mm width depth 97 mm required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — other wides — of prounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 500 V		
at 240 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA response value current of instantaneous short-circuit trip unit  DL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.16 A at 600 V rated value 0.16 A  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 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 • for live parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 400 V — downwards — at the side • for grounded parts at 500 V		100 kA
at 400 V rated value at 500 V rated value 100 kA at 690 V rated value 100 kA  to 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 690 V rated value 0.16 A  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 106 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 for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V		
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 at 600 V rated value 0.16 A 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 106 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 for live parts at 400 V  - downwards - upwards - at the side for grounded parts at 400 V  - downwards - upwards - at the side for grounded parts at 500 V		
at 690 V rated value response value current of instantaneous short-circuit trip unit  DLCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.16 A 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 106 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 for grounded parts at 400 V - downwards - upwards - at the side for grounded parts at 500 V		
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   Droduct function short circuit protection  product function short circuit protection  product function 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  106 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  • for live parts at 400 V  — downwards  — at the side  • for live parts at 400 V  — downwards  — upwards  — at the side  • for grounded parts at 500 V		
## Comparison of		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value 0.16 A  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 depth 97 mm  required spacing • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — upwards — upwards — upwards — at the side • for grounded parts at 400 V  — downwards — upwards		2.1 A
at 480 V rated value  at 600 V rated value  0.16 A  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 106 mm  width 45 mm  depth 97 mm  required spacing  with side-by-side mounting at the side for grounded parts at 400 V  downwards at the side for live parts at 400 V  downwards at the side for grounded parts at 400 V  downwards at the side for live parts at 400 V  downwards at the side for grounded parts at 400 V  downwards at the side for grounded parts at 400 V  downwards at the side for grounded parts at 400 V  downwards and mm  at the side for grounded parts at 500 V		
at 600 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 106 mm width 45 mm depth 97 mm  required spacing      with side-by-side mounting at the side     for grounded parts at 400 V	. , .	
Short-circuit protection   Yes   magnetic		
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 106 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 • for live parts at 400 V  — downwards — upwards — upwards — upwards — at the side • for grounded parts at 500 V		0.16 A
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 106 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 • for live parts at 400 V — downwards — upwards — upwards — at the side 9 mm • for live parts at 400 V — downwards — upwards — upwards — upwards — upwards — at the side 9 mm • for grounded parts at 500 V		Vee
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V	<u> </u>	
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm  required spacing • with side-by-side mounting at the side • for grounded parts at 400 V - downwards - upwards - at the side • for live parts at 400 V - downwards - upwards - upwards - at the side 9 mm • for live parts at 400 V - downwards - upwards - upwards - upwards - upwards - at the side 9 mm • for grounded parts at 500 V		magnetic
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 106 mm  width 45 mm  depth 97 mm  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V  — downwards — upwards — at the side 9 mm  • for live parts at 400 V  — downwards — upwards — at the side 9 mm  • for grounded parts at 500 V		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  for live parts at 400 V  downwards  of or live parts at 400 V  downwards  upwards  of or live parts at 400 V  downwards  upwards  of or grounded parts at 400 V  downwards  of or grounded parts at 500 V		
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  • for live parts at 400 V  — downwards 30 mm  • for grounded parts at 400 V  — at the side 9 mm  • for grounded parts at 500 V		
depth 97 mm   required spacing 0 mm   ● with side-by-side mounting at the side 0 mm   ● for grounded parts at 400 V 30 mm   — upwards 30 mm   — at the side 9 mm   ● for live parts at 400 V 30 mm   — downwards 30 mm   — upwards 30 mm   — at the side 9 mm   ● for grounded parts at 500 V		
required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards — upwards — at the side  • for live parts at 400 V  — downwards — upwards — at the side  • for grounded parts at 400 V  — downwards — upwards — upwards — upwards — upwards — at the side  • for grounded parts at 500 V		
<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>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts at 500 V</li> </ul>	<u> </u>	V/ IIIII
<ul> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts at 500 V</li> </ul>		0 mm
— downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for live parts at 400 V       30 mm         — downwards       30 mm         — upwards       30 mm         — at the side       9 mm         • for grounded parts at 500 V	-	
<ul> <li>— upwards         — at the side</li></ul>		30 mm
<ul> <li>— at the side</li> <li>● for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>● for grounded parts at 500 V</li> </ul>		
<ul> <li>for live parts at 400 V</li> <li>downwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts at 500 V</li> </ul>	•	
<ul> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>• for grounded parts at 500 V</li> </ul> 30 mm 9 mm		• ·····
<ul> <li>— upwards</li> <li>— at the side</li> <li>• for grounded parts at 500 V</li> </ul> 30 mm 9 mm	·	30 mm
— at the side 9 mm  • for grounded parts at 500 V		
● for grounded parts at 500 V	•	
		V 11111
30 mili		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
	3 111111
• for grounded parts at 690 V	FO mana
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
<ul> <li>for live parts at 690 V</li> </ul>	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	
type of connectable conductor cross-sections	
• for main contacts	
<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)
for AWG cables for main contacts	2x (20 12)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
Safety related data	
product function suitable for safety function	Yes
suitability for use	
<ul> <li>safety-related switching on</li> </ul>	No
<ul> <li>safety-related switching OFF</li> </ul>	Yes
and a life washing	10 a
service life maximum	10 a
test wear-related service life necessary	Yes
test wear-related service life necessary	
test wear-related service life necessary proportion of dangerous failures	Yes
test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920	Yes 40 %
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN	Yes 40 % 50 %
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920	Yes 40 % 50 % 5 000
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	Yes  40 % 50 % 5 000 50 FIT
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1	Yes  40 % 50 % 5 000 50 FIT
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary	Yes  40 % 50 % 5 000 50 FIT
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508	Yes  40 % 50 % 5 000 50 FIT  3 Yes
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2	Yes  40 % 50 % 5 000 50 FIT
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2  T1 value	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2	Yes  40 % 50 % 5 000 50 FIT  3 Yes
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508  Electrical Safety	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A  10 a
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508  Electrical Safety	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A  10 a
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508  Electrical Safety protection class IP on the front according to IEC 60529	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A  10 a
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508  Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A  10 a
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508  Electrical Safety protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  Display	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A  10 a  IP20 finger-safe, for vertical contact from the front
test wear-related service life necessary proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2  T1 value  • for proof test interval or service life according to IEC 61508  Electrical Safety protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  Display  display version for switching status	Yes  40 % 50 % 5 000 50 FIT  3 Yes  Type A  10 a  IP20 finger-safe, for vertical contact from the front







Confirmation



<u>KC</u>

**General Product Ap**proval

**Test Certificates** 

Marine / Shipping



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

Type Test Certificates/Test Report







Marine / Shipping





**Miscellaneous** 

other

Confirmation



Railway

**Environment** 

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

LRS

Confirmation







Environmental Con-firmations

## Further information

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=3RV2311-0AC20

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2311-0AC20}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0AC20

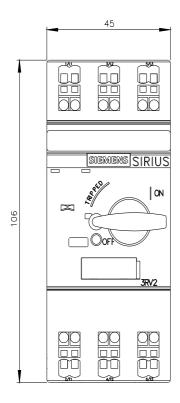
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

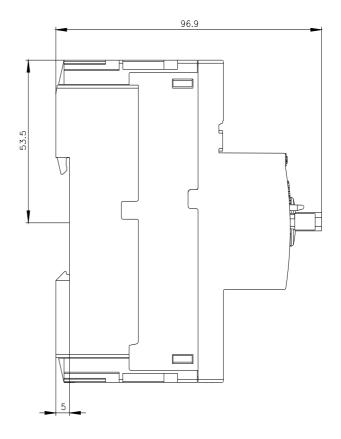
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-0AC20&lang=en

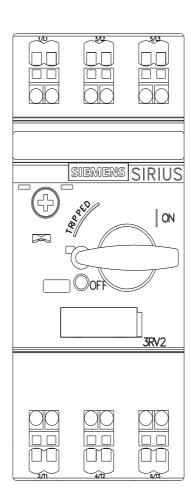
Characteristic: Tripping characteristics, I2t, Let-through current

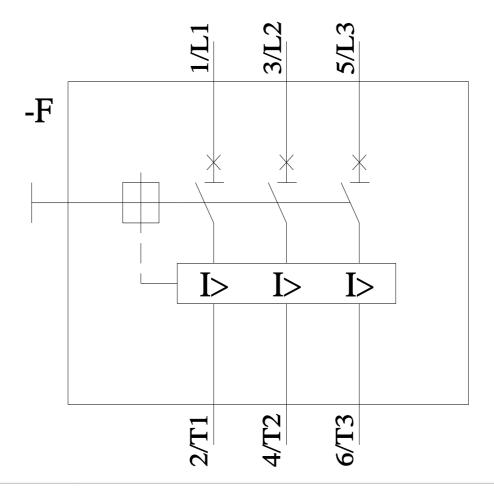
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0AC20&objecttype=14&gridview=view1









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**Authorized Distributor** 

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