## **SIEMENS**

Data sheet 3RV2311-0EC10



Circuit breaker size S00 for starter combination Rated current 0.4 A N-release 5.2 A screw 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>	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	0.4 A
operational current	

■ A1AC-3 at 400 V rated value ■ A1		
operating power  of AC-3  — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 400 V rated value — at 500 V rated value — at 600 V rated va	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	
- al 200 V rated value	at AC-3e at 400 V rated value	0.4 A
	operating power	
	• at AC-3	
at 500 V rated value	— at 230 V rated value	0.1 kW
	— at 400 V rated value	0.1 kW
	— at 500 V rated value	0.1 kW
	— at 690 V rated value	0.2 kW
	• at AC-3e	
	— at 230 V rated value	0.1 kW
operating frequency	— at 400 V rated value	0.1 kW
operating frequency	— at 500 V rated value	0.1 kW
e at AC-3 maximum e at AC-3 maximum 15 fith  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 number of CO contacts for auxiliary contacts 0 product function • ground fault detection • phase failure detection • phase failure detection • phase failure detection • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at 40 v rated value • at 600 v rated value • at 600 v rated value • at 40 v rated value • at 600 v rated value • at 60	— at 690 V rated value	0.2 kW
auxiliary circuit  Auxiliary circuit  Tumber of NC contacts for auxiliary contacts  Deference of NC contacts for auxiliary contacts  De	operating frequency	
Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of CC contacts for auxiliary contacts 0 protective and monitoring function • ground fault detection • ground fault detection • phase failure detection  No maximum short-circuit current breaking capacity (tcu) • at AC at 490 V rated value • at AC at 490 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (tcs) at AC • at 240 V rated value  operating short-circuit current breaking capacity (tcs) at AC • at 240 V rated value  operating short-circuit current breaking capacity (tcs) at AC • at 240 V rated value  operating short-circuit current breaking capacity (tcs) at AC • at 240 V rated value  100 kA • at 500 V rated value  100 kA • at 680 V rated value  100 kA • at 600 V r	at AC-3 maximum	15 1/h
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts  product function	at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts  product function	Auxiliary circuit	
number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions  product function  • ground fault 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 400 V rated value 100 KA  • at 600 V rated value 100 KA  • at 600 V rated value 100 KA  • at 800 V rated value 0.4 A  • at 800 V rated value 0.4 A  • Short-circuit protection Yes  design of the short-circuit trip magnetic installation/mounting/dimensions  mounting position 8  mounting position 97 mm  required spacing  • with side-by-side mounting at the side 97 mm  required spacing  • with side-by-side mounting at the side 9 mm  • for grounded parts at 400 V  — downwards 30 mm  — at the side 9 mm  • for grounded parts at 400 V  — downwards 30 mm  — at the side 9 mm  • for grounded parts at 400 V  — downwards 30 mm  — at the side 9 mm  • for grounded parts at 400 V		0
number of CO contacts for auxiliary contacts  Protective and monitoring functions  product function  ground fault detection  ho  phase failure detection  at AC at 240 V rated value  at AC at 240 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  at 400 V rated value  at 400 V rated value  at 400 V rated value  at 500 V rated value  100 kA  at 400 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  by AC  at 600 V rated value  100 kA  at 600 V rated value  100 kA  by AC  at 600 V rated value  100 kA  cresponse value current of instantaneous short-circuit trip unit  5.2 A  UL/CSA ratings  full-load current (PLA) for 3-phase AC motor  at 480 V rated value  0.4 A  Short-circuit protection  product function short circuit protection  4 solo of the short-circuit trip  magnetic  Installation mounting idimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height  45 mm  depth  roquired spacing  with steb-y-side mounting at the side  for grounded parts at 400 V  - downwards  30 mm  - upwards  - at the side  for grounded parts at 400 V  - downwards  - upwards  - at the side  for grounded parts at 400 V  - downwards  - upwards  - upwards  - at the side  for grounded parts at 400 V  - downwards  - upwards		
product function  ground affault detection  product function  ground fault detection  product function  product function  product function  product function  product function  product function affault detection  product function short circuit protection  at AC at 240 V rated value  at AC at 400 V rated value  at AC at 500 V rated value  product function short circuit protection  at 500 V rated value  at 600 V rated value  be at 600 V rated value  be at 600 V rated value  broduct function short circuit protection  yes  design of the short-circuit trip  magnetic  mastellation/ mounting/ dimensions  mounting position  fastening method  beight  yr 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 4500 V  - downwards  - upwards  - at the side  for grounded parts at 4500 V		
product function ground fault detection ground fault detection 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 400 V rated value 100 kA 100 kA at AC at 400 V rated value 100 kA 100 kA at AC at 400 V rated value 100 kA 100 kA 100 kA 100 kA 14 00 V rated value 100 kA 100 kA 15 00 V rated value 100 kA 15 00 V rated value 100 kA 16 00 V rated value 100 kA 17 00 V rated value 100 kA 18 00 V rated		
e ground fault detection e phase failure detection No maximum short-circuit current breaking capacity (Icu)  e at AC at 240 V rated value e at AC at 360 V rated value 100 kA e at AC at 500 V rated value 100 kA e at AC at 500 V rated value 100 kA e at AC at 500 V rated value 100 kA e at 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 600 V rated value 100 kA e at 600 V rated value 100 kA  response value current of instantaneous short-circuit trip unit ULICSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.4 A e at 600 V rated value 0.5 exervings  mounting position fastening method servew 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 30 mm -upwards 30 mm -ut the side 9 mm  for grounded parts at 400 V -downwards -at the side 9 mm  e for grounded parts at 400 V -downwards -at the side 9 mm  for grounded parts at 400 V -downwards -at the side 9 mm  for grounded parts at 500 V		
phase failure detection     maximum short-circuit current breaking capacity (Icu)	•	No
maximum short-circuit current breaking capacity (Icu)  at IAC at 240 V rated value at AC at 300 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 at 500 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 500 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 690 V rated value 100 kA at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 100 kA response value current of instantaneous short-circuit trip unit 100 kA response value current of instantaneous short-circuit trip unit 100 kA response value current of instantaneous short-circuit trip unit 100 kA response value current of instantaneous short-circuit trip unit 100 kA response value current of instantaneous short-circuit trip unit 100 kA short-circuit protection  yes design of the 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 80715 height yir magnetic  for grounded parts at 400 V -downwards -upwards -upwards -ut the side -for grounded parts at 400 V -downwards -ut the side -for grounded parts at 400 V -downwards -upwards -ut the side -for grounded parts at 400 V -downwards -upwards -ut the side -for grounded parts at 400 V -downwards -upwards -ut the side -for grounded parts at 400 V -downwards -upwards -upwards -upwards -upwards -upwards -upwards -ut the side -for grounded parts at 500 V	-	
	·	INU
		400   4
at AC at 500 V rated value at AC at 500 V rated value  operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value 100 kA  response value current of instantaneous short-circuit trip unit 5.2 A  ULCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.4 A  Short-circuit protection  product function short circuit protection  fastanting method fastanting method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 607 15  height 97 mm  vidth dopth 97 mm  required spacing  • with side-by-side mounting 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 AC at 690 V rated value operating short-circuit current breaking capacity (Ics) 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 690 V rated value 5.2 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.4 A  Short-circuit protection product function short circuit protection product function short circuit protection session 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 97 mm  required spacing  with side-by-side mounting at the side of or grounded parts at 400 V — downwards — at the side of or live parts at 400 V — downwards — at the side of or grounded parts at 400 V — downwards — at the side of or grounded parts at 500 V		
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 690 V rated value • at 480 V rated value • at 480 V rated value • at 690 V rated value • A 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 97 mm  width depth 97 mm  required spacing • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — of wards — of mywards — of mywards — at the side • for live parts at 400 V  — downwards — of mywards — at the side • for live 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 100 kA  response value current of instantaneous short-circuit trip unit 100 kA  response value current of instantaneous short-circuit trip unit 100 kA  response value current of instantaneous short-circuit trip unit 100 kA  response value current of instantaneous short-circuit trip unit 100 kA  response value current of instantaneous short-circuit trip unit 100 kA  100		100 kA
at 400 V rated value at 500 V rated value 100 kA at 590 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 0.4 A  Short-circuit protection  product function short circuit protection  yes 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 97 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 30 mm  - at the side for grounded parts at 400 V  - downwards 30 mm  - at the side for grounded parts at 500 V	operating short-circuit current breaking capacity (lcs) at AC	
at 500 V rated value at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit  5.2 A  ULICSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 0.4 A at 600 V rated value 0.4 A  Short-circuit protection  product function short circuit protection  response value current 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 97 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 - 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 240 V rated value	100 kA
at 690 V rated value     response value current of instantaneous short-circuit trip unit     ## Startings  full-load current (FLA) for 3-phase AC motor	<ul> <li>at 400 V rated value</li> </ul>	100 kA
response value current of instantaneous short-circuit trip unit  ULICSA 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  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  yof 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 grounded parts at 500 V	at 690 V rated value	100 kA
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value 0.4 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 97 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 — outpwards — 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 — upwards — at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for grounded parts at 500 V	·	5.2 A
at 480 V rated value at 600 V rated value  output  short-circuit protection  product function short circuit protection  yes  design of the short-circuit trip magnetic  magnetic  munting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height yor mm  width depth 97 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 — upwards — odwnwards — 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 400 V  — downwards — upwards	UL/CSA ratings	
• 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 97 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 — ownwards — ownwards — ownwards — ownwards — ownwards — ownwards — upwards — of or grounded parts at 500 V	full-load current (FLA) for 3-phase AC motor	
Short-circuit protection   Yes   design of the short-circuit trip   magnetic	<ul> <li>at 480 V rated value</li> </ul>	0.4 A
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 97 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 grounded parts at 500 V	<ul> <li>at 600 V rated value</li> </ul>	0.4 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 97 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 — at the side 9 mm  • for grounded parts at 500 V	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 97 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 — at the side 9 mm  • for grounded parts at 500 V	product function short circuit protection	Yes
Installation/ mounting/ dimensions  mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 97 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 - at the side 9 mm  • for prounded parts at 400 V - downwards - upwards - upwards - upwards - upwards - at the side 9 mm  • for grounded parts at 500 V	design of the short-circuit trip	magnetic
mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 97 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		
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 97 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 live parts at 400 V  — downwards — upwards — at the side  • 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  - upwards  of or live parts at 400 V  - downwards  - upwards  of or live parts at 400 V  - downwards  - upwards  - upwa		·
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  — and the side 9 mm  • for grounded parts at 400 V  — for grounded parts at 500 V		
depth 97 mm   required spacing		
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 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>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for grounded parts at 500 V</li> </ul>	·	
<ul> <li>for grounded parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</li> <li>for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</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		V 11111
<ul> <li>— upwards</li> <li>— at the side</li> <li>9 mm</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>	-	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> 9 mm 9 mm 9 mm		
<ul> <li>for live parts at 400 V</li> <li>— downwards</li> <li>— upwards</li> <li>— at the side</li> <li>9 mm</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		3 111111
<ul> <li>— upwards</li> <li>— at the side</li> <li>• for grounded parts at 500 V</li> <li>30 mm</li> <li>9 mm</li> </ul>	•	20 mm
— at the side 9 mm  • for grounded parts at 500 V		
• for grounded parts at 500 V	·	
		9 mm
— downwards 30 mm		
	— downwards	3U 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
<ul> <li>for grounded parts at 690 V</li> </ul>	
— 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	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
• for main contacts	
<ul><li>— solid or stranded</li></ul>	2x (0,75 2,5 mm²), 2x 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for main contacts	2x (18 14), 2x 12
tightening torque	
for main contacts with screw-type terminals	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw  • for main contacts	M3
Safety related data	IVIO
product function suitable for safety function	Yes
suitability for use	166
safety-related switching on	No
safety-related switching OFF	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
<ul> <li>for proof test interval or service life according to IEC 61508</li> </ul>	10 a
Electrical Safety	
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
	iniger-sale, for vertical contact from the front
Display	iniger-saic, for vertical contact from the front
display version for switching status	Handle







Confirmation



<u>KC</u>

General Product Approval

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other







**Miscellaneous** 

Confirmation



Railway

Environment

Special Test Certificate

Confirmation



Siemens EcoTech



Environmental Confirmations

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=3RV2311-0EC10

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2311-0EC10}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0EC10

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

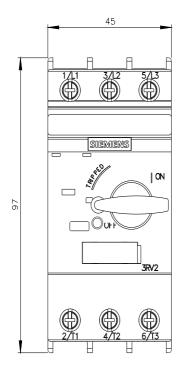
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-0EC10&lang=en

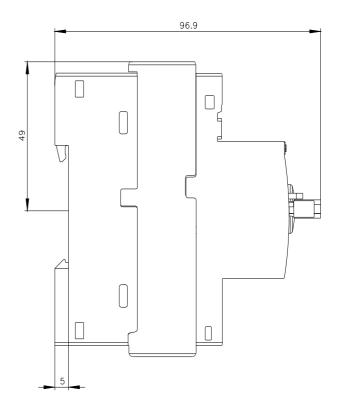
Characteristic: Tripping characteristics, I2t, Let-through current

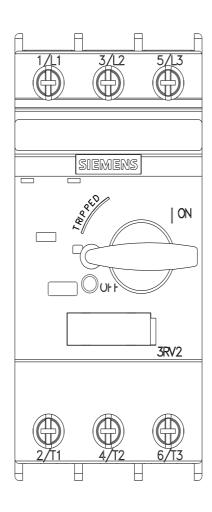
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0EC10/char

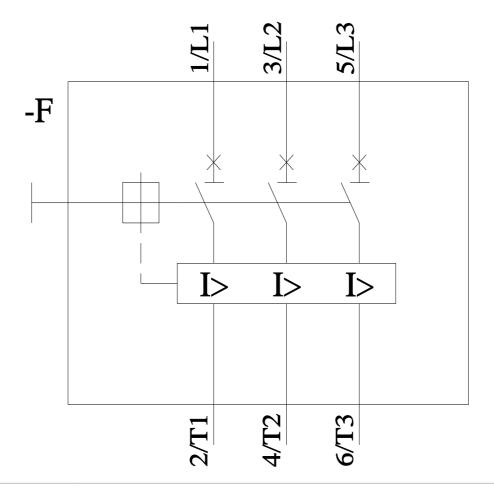
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0EC10&objecttype=14&gridview=view1









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