## **SIEMENS**

Data sheet 3RV2311-0EC20





Circuit breaker size S00 for starter combination Rated current 0.4 A N-release 5.2 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>	5.5 W
at AC in hot operating state per pole	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	

* at AC-3 at 400 V rated value
at 500 V rated value
at 690 V rated value  at 230 V rated value  at 230 V rated value  at 400 V rated value  at 590 V rated value  at 690 V rated value  at 600 V rated va
at AC-3e —at 230 V rated value —at 400 V rated value —at 500 V rated value —2. kW  operating frequency  at AC-3 maximum —15 1/h  Auxiliary circuit  number of NC contacts for auxiliary contacts
at 230 V rated value
at 400 V rated value
— at 590 V rated value 0.1 kW 0.2 kW
operating frequency  • at AC-3 maximum  • at AC-3 emaximum  • at AC-3 emaximum  15 1/h  Auxillary circuit  number of NC contacts for auxillary contacts  number of NC contacts for auxillary contacts  number of CO contacts for auxillary contacts  number of CO contacts for auxillary contacts  product function  • ground fault detection  • phase failure detection  • phase failure detection  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at AC at 240 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 AC at 500 V rated value  • at AC at 500 V rated value  • at 240 V rated value  • at 500 V rated value  • at 690 V r
operating frequency  • at AC-3 maximum  • at AC-3 maximum  15 1/h  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  product function  • ground fault detection  • ground fault detection  • phase failure detection  No  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 590 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  100 kA  • at AC at 690 V rated value  100 kA  • at 400 V rated value  100 kA  • at 400 V rated value  100 kA  • at 400 V rated value  100 kA  • at 4500 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 400 V rated value  100 kA  • at 400 V rated value  100 kA  • at 500 V rated value  100 kA  • at 480 V rated value  • at 4
at AC-3e maximum at Ac-3e maximum 15 1/h  Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts  Protective and monitoring functions  Product function aground fault detection No phase failure detection No  at AC at 240 V rated value 100 kA at AC at 400 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 500 V rated value 100 kA  operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 kA  operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 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 400 V rated value 100 kA at 690 V rated value 100 kA bresponse 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 20.4 A 3 the 600 V rated
at AC-3e maximum  Auxiliary circuit number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 protective and monitoring functions  product function • ground fault detection • phase failure detection No maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 40 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 AC at 690 V rated value • at AC at 40 V rated value • at AC at 40 V rated value • at 40 V rated value • at 400 V rated value • at 690 V rated value • at 600 V rated value • at
Auxiliary circuit 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  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 440 V rated value • at AC at 500 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 AC at 400 V rated value  • at AC at 400 V rated value  • at 400 V rated value • at 400 V rated value • at 690 V rated value •
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 • 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 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 rate
number of NO contacts for auxiliary contacts  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 500 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC of to V rated value  • at EV V rated value  • at EV V rated value  • at 500 V rated value  • at 500 V rated value  • at 500 V rated value  • at 690 V r
number of CO contacts for auxiliary contacts  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 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at 240 V rated value  • at 240 V rated value  • at 240 V rated value  • at 690 V rated value  100 kA  • at 240 V rated value  • at 690 V rated value  100 kA  • at 690 V rated value  • at 690 V rated value  100 kA  • at 690 V rated value  00 kA  • at 690 V rated value  100 kA  • at 240 V rated value  100 kA
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 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 3500 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value  Presponse 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
product function  • ground fault detection  • phase failure detection  No  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  • at 240 V rated value  • at 500 V rated value  • at 690 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 600 V rat
ground fault detection     phase failure detection     No  maximum short-circuit current breaking capacity (Icu)      at AC at 240 V rated value     at AC at 250 V rated value     at AC at 500 V rated value     at AC at 500 V rated value     at AC at 690 V rated value     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 400 V rated value     100 kA     at 690 V rated value     100 kA     source of the failure of the fail
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 500 V rated value  at AC at 690 V rated value  berrating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value  operating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  at 500 V rated value  at 690 V rated value  at 690 V rated value  fresponse value current of instantaneous short-circuit trip unit  below the following short-circuit trip unit  consideratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  below the following short-circuit protection  product function short circuit protection  yes  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  100 kA  100 k
maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 240 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 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 600 V rated value  • at 600 V rated value  100 kA  • at 690 V rated value  100 kA  • at 600 V rated value  100 kA  response value current of instantaneous short-circuit trip unit  5.2 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  0.4 A  • at 600 V rated value  100 kA  short-circuit protection  product function short circuit protection  Yes  design of the short-circuit trip  magnetic  Installation/ mounting/ dimensions  mounting position
at AC at 240 V rated value at AC at 400 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 690 V rated value 100 kA  operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 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 500 V rated value 100 kA at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 5.2 A  UL/CSA 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 st 600 V rated value 0.5 Nort-circuit protection product function short circuit protection product function short circuit protection product function short circuit trip magnetic Installation/ mounting/ dimensions mounting position any
at AC at 400 V rated value at AC at 500 V rated value 100 kA  at AC at 690 V rated value 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 400 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  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 trip  magnetic  Installation/ mounting/ dimensions  mounting position  at AB
at AC at 500 V rated value  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 690 V rated value  at 690 V rated value  to 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  0.4 A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  100 kA  1
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 690 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  0.4 A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  100 kA  100
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  100 kA  • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  10.4 A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  any
at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 100 kA  at 690 V rated value 100 kA  response value current of instantaneous short-circuit trip unit 5.2 A  UL/CSA ratings 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 Installation/ mounting/ dimensions mounting position  any
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>5.2 A</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>0.4 A</li> <li>at 600 V rated value</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>yes</li> <li>design of the short-circuit trip</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>any</li> </ul>
at 500 V rated value  at 690 V rated value  tesponse value current of instantaneous short-circuit trip unit  5.2 A  UL/CSA ratings  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  yes  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  100 kA  100 k
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  Product function short circuit protection  product function short circuit trip  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  100 kA  5.2 A  UL/CSA ratings  0.4 A  9.4 A  9.4 A  Short-circuit protection  Yes  design of the short-circuit trip  any
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  0.4 A  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  5.2 A  5.2 A  5.2 A
## Comparison of
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  Installation/ mounting/ dimensions  mounting position  any
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>0.4 A</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>0.4 A</li> <li>9.4 A</li> <li>9.5 A</li> <li>9.6 A</li> <li>9.7 A</li> <li>9.8 A</li> <li>9.9 A</li> <li>9.9 A</li> <li>9.0 A</li> <li< td=""></li<></ul>
● at 600 V rated value  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  0.4 A  Yes  magnetic
Short-circuit protection  product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  any
product function short circuit protection  design of the short-circuit trip  Installation/ mounting/ dimensions  mounting position  Yes  magnetic  any
design of the short-circuit trip magnetic  Installation/ mounting/ dimensions  mounting position any
Installation/ mounting/ dimensions mounting position any
mounting position any
·
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 607
height 106 mm
width 45 mm
depth 97 mm
required spacing
with side-by-side mounting at the side     o mm  or for grounded parts at 400 V
• 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
— upwards 30 mm
— at the side 9 mm
• for grounded parts at 500 V
— 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
	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 Approval

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

oyds gister



**Miscellaneous** 

other

Confirmation



Railway

Environment

Special Test Certificate

Confirmation







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=3RV2311-0EC20

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2311-0EC20}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0EC20

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

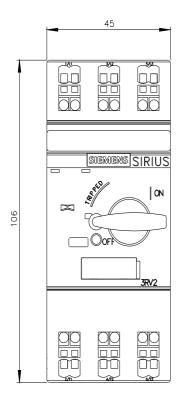
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-0EC20\&lang=en}}$ 

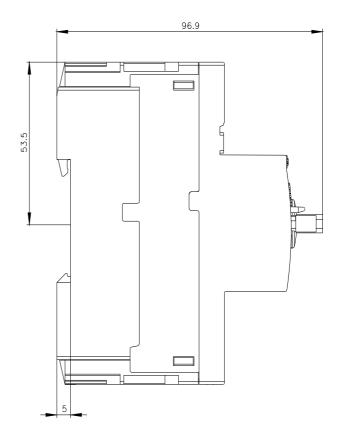
Characteristic: Tripping characteristics, I²t, Let-through current

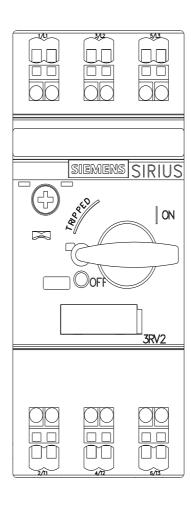
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-0EC20/char

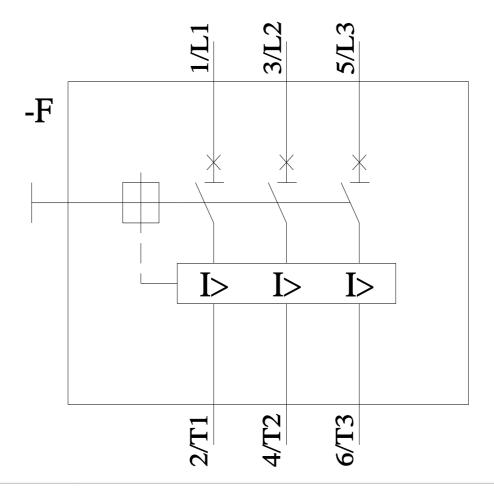
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-0EC20&objecttype=14&gridview=view1









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