## **SIEMENS**

Data sheet 3RV2311-1FC20



Circuit breaker size S00 for starter combination Rated current 5 A N release 65 A Spring-type terminal Standard switching capacity

product brand name design of the product product type designation General technical data size of the circuit-breaker size of contactor can be combined company-specific product systemsion auxiliary switch product extension auxiliary switch product extension auxiliary switch prower loss [W] for rated value of the current  * at AC in hot operating state per pole   at AC in hot operating state per pole   at AC in hot operating state per pole   insulation voltage with degree of pollution 3 at AC rated value   surge voltage resistance rated value   surge voltage resistance according to IEC 60088-227   we have been designed by the state of the current   of the main contacts typical   100 0000     of auxiliary contacts by pical   100 0000     electrical endurance (operating cycles)   100 0000     electrical endurance (operating cycles)   100 0000     electrical endurance (operating cycles)   100 0000     electrical endurance operating typical   100 000     electrical endurance operating typical   100 0000     electrical endurance operation   200 000     electrical endurance		
design of the product product type designation General technical data size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary swirich yes power loss [W] for rated value of the current ext AC in hot operating state x1 AC in hot operating state per pole 1 AC in hot operating state per pole 2 A W insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 6 KV shock resistance according to IEC 60068-2.27 2 55/11 ms mechanical service life (operating cycles) of auxiliary contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81348-2 Q Substance Prohibitance (Oate) SVHC substance name Biel - 7439-92-1 Ambient conditions marbient temperature eutring operation eutring storage during transport relative humidity during operation auxiliary contacts with a final maxiliary operation auxiliary data extension auxiliary data extensio	product brand name	SIRIUS
product type designation General technical data size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole surge voltage resistance rated value • 6 kV shock resistance according to IEC 80068-2-27 geometrical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of auxili	product designation	Circuit breaker
See of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of contactor can be combined company-specific S00, S0 product extension auxiliary switch Yes power loss [W] for rated value of the current at AC in hot operating state per pole 2.4 W insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 660 V shock resistance according to IEC 60068-2:27 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical 100 000 electrical endurance (operating cycles) 100 000 electrical endurance (operating endurance (operatin	design of the product	For starter combinations
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state • at AC in hot operating state per pole surge voltage resistance rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical   100 000   100	product type designation	3RV2
size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value 680 V surge voltage resistance rated value 66kV shock resistance according to IEC 60068-2-27 25g /11 ms mechanical service [Ife (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical reference code according to IEC 61346-2 Q Substance Prohibitance (Date) 100/1/2009 SVHC substance name Blei - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport elduring transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit 0 at AC-3 rated value maximum el AC-3 rated value maximum el AC-3 rated value maximum el AC-3 at 400 V rated value  9 at AC-3 at 400 V rated value  1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value 1 at AC-3 at 400 V rated value	General technical data	
product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole 2.4 W  insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 25g /11 ms  mechanical service life (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical 100 000  sylta cycles (operating to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  SyHC substance name Blei - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation • during storage • during storage • during transport relative humidity during operation 10 +80 °C  relative humidity during operation 10 +80 °C  relative humidity during operation 20 +80 °C  relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit 0 at AC-3 rated value maximum 690 V  operating frequency rated value 5 690 V  operating frequency rated value 5 690 V  operational current rated value 0 at AC-3 at 400 V rated value 5 60 Hz  operational current 0 at AC-3 at 400 V rated value 5 6A	size of the circuit-breaker	S00
power loss [W] for rated value of the current  • at AC in hot operating state  • at AC in hot operating state pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  6 kV  shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  8 Hiel - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  value for poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3 rated value maximum  operational current rated value  operational current  • at AC-3 at 400 V rated value	size of contactor can be combined company-specific	S00, S0
at AC in hot operating state  at AC in hot operating state per pole  at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  lou 000  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SYHC substance name  Biei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oluring operation  oluring storage  oluring transport  eluring transport  relative humidity during operation  at AC-3 a rated value maximum  operating requency rated value  operational current rated value  operational current  ot AC-3 at 400 V rated value  at AC-3 at 400 V rated value	product extension auxiliary switch	Yes
at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 68 kV shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) of the main contacts typical 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 Biei - 7439-92-1 Ambient conditions  installation altitude at height above sea level maximum 2000 m ambient temperature of during operation 200 m - 200 m + 80 °C of during transport - 50 m + 80 °C relative humidity during operation 10 m - 95 % Msin circuit 3 operating voltage - 20 m - 690 V operating voltage - 20 m - 690 V operating frequency rated value - 20 m - 60 Hz operation - 21 m - 60 Hz operation - 24 m - 60 Hz operation - 25 m - 60 Hz operation - 25 m - 60 Hz operational current rated value - 25 m - 60 Hz operational current rated value - 25 m - 60 Hz operational current rated value - 25 m - 60 Hz operational current rated value - 25 m - 60 Hz operational current - 25 m - 25	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical  100 000  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Biei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oluring operation  -20 +60 °C  oluring storage  oluring transport  relative humidity during operation  articult  number of poles for main current circuit  operating voltage  rated value  at AC-3 rated value maximum  690 V  operational current  at AC-3 at 400 V rated value	<ul> <li>at AC in hot operating state</li> </ul>	7.25 W
surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (operating cycles)  • of the main contacts typical 100 000  electrical endurance (operating cycles) 100 000  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date) 10/01/2009  SVHC substance name Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature  • during operation -20 +60 °C  • during storage -50 +80 °C  relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3  operating voltage  • rated value aximum 690 V  • at AC-3 rated value maximum 690 V  operational current rated value 5 A  operational current rated value 5 A  operational current rated value 5 A  • at AC-3 at 400 V rated value 5 A  • at AC-3 at 400 V rated value 5 A	<ul> <li>at AC in hot operating state per pole</li> </ul>	2.4 W
shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  electrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  of during storage  of during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  operating voltage  or at AC-3 rated value maximum  operational current  at AC-3 erated value  operational current  at AC-3 at 400 V rated value	insulation voltage with degree of pollution 3 at AC rated value	690 V
mechanical service life (operating cycles)  • of the main contacts typical 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 Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature  • during operation -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 maximum 690 V  • at AC-3e rated value maximum 690 V  operational current rated value 50 60 Hz  operational current rated value 5 A  operational current rated value 5 A  • at AC-3a at 400 V rated value 5 A	surge voltage resistance rated value	6 kV
of the main contacts typical     of auxiliary contacts typical     electrical endurance (operating cycles) typical     electrical endurance (operating cycles) typical     reference code according to IEC 81346-2     Substance Prohibitance (Date)  SVHC substance name     Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     ouring operation     during operation     during storage     during transport     relative humidity during operation  In 95 %  Main circuit  number of poles for main current circuit  operating voltage     orated value     at AC-3 rated value maximum     690 V     operating frequency rated value     operational current     at AC-3 at 400 V rated value     at AC-3 at 400 V rated value     at AC-3 e at 400 V rated value     operational current     at AC-3 at 400 V rated value     other incompleted and incomple	shock resistance according to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Blei - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature     o during operation     o during storage     o during storage     o during transport relative humidity during operation  Main circuit number of poles for main current circuit operating voltage     o at AC-3 rated value maximum     operating requency rated value     operational current rated value     operational current rated value     operational current rated value     operational current     operational current     other in the substance of the poles of the pol	mechanical service life (operating cycles)	
electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  • at AC-3 rated value maximum  690 V  • at AC-3 rated value maximum  690 V  operational current rated value  operational current  • at AC-3 at 400 V rated value	<ul> <li>of the main contacts typical</li> </ul>	100 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Blei - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature  • during operation -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 • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 5 A operational current • at AC-3 at 400 V rated value 5 A • at AC-3e at 400 V rated value 5 A • at AC-3e at 400 V rated value 5 A	of auxiliary contacts typical	100 000
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage • during transport  relative humidity during operation  number of poles for main current circuit  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current  • at AC-3 at 400 V rated value  • at AC-3e at 400 V rated value  • at AC-3e at 400 V rated value  • at AC-3e at 400 V rated value  5 A	electrical endurance (operating cycles) typical	100 000
SVHC substance name  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current • at AC-3 at 400 V rated value  5 A	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value  operational current rated value  50 60 Hz operational current  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  5 A	Substance Prohibitance (Date)	10/01/2009
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value  operating frequency rated value  operational current rated value  5 A  operational current rated value  5 A  • at AC-3 at 400 V rated value	SVHC substance name	Blei - 7439-92-1
ambient temperature  • during operation  • during storage  • during transport  -50 +80 °C  • during transport  -50 +80 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • rated value  • at AC-3 rated value maximum  • at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  5 A  operational current  • at AC-3 at 400 V rated value  • at AC-3 at 400 V rated value  5 A	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>during transport</li> <li>50 +80 °C</li> </ul> relative humidity during operation Main circuit number of poles for main current circuit <ul> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>opov</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> </ul> operational current rated value <ul> <li>5 A</li> </ul> operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>5 A</li> </ul> operational current <ul> <li>at AC-3e at 400 V rated value</li> <li>5 A</li> </ul> 5 A <ul> <li>at AC-3e at 400 V rated value</li> <li>5 A</li> </ul> 5 A <ul> <li>at AC-3e at 400 V rated value</li> <li>5 A</li> </ul> 5 A <ul> <li>5 A</li> </ul> 5 A <ul> <li>5 A</li> </ul> 5 A <ul> <li>5 A <ul> <li>5 A</li> </ul> 5 A <ul> <li>5 A <ul> <li>5 A</li> </ul>  5 A <ul> <li>5 A</li> </ul> 5 A <ul> <li>5 A <ul> <li>5 A</li> </ul> 5 A <ul> <li>5 A <ul> <li>5 A</li> </ul> 5 A <ul> <li>5 A <ul> <li>5 A</li> </ul></li></ul></li></ul></li></ul></li></ul></li></ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>● during storage</li> <li>● during transport</li> <li>-50 +80 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>operating voltage</li> <li>• rated value</li> <li>• at AC-3 rated value maximum</li> <li>690 V</li> <li>• at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> </ul> operational current <ul> <li>• at AC-3 at 400 V rated value</li> <li>• at AC-3e at 400 V rated value</li> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>600 V</li> <l< th=""><th>ambient temperature</th><th></th></l<></ul>	ambient temperature	
<ul> <li>during transport</li> <li>-50 +80 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> <li>operational current rated value</li> <li>5 A</li> </ul> operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-3e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-9e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-9e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-9e at 400 V rated value <ul> <li>5 A</li> </ul> • at AC-9e at 400 V rated value <ul> <li>600 V</li> </ul> • at AC-9e at 400 V rated value <ul> <li>600 V</li> <li>600 V</li> <li>600 V</li> <li< th=""><th>during operation</th><th>-20 +60 °C</th></li<></ul>	during operation	-20 +60 °C
relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  • at AC-3 at 400 V rated value  5 A	during storage	-50 +80 °C
Main circuit  number of poles for main current circuit  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 eat 400 V rated value  5 A	during transport	-50 +80 °C
number of poles for main current circuit  operating voltage  o rated value  o at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operational current rated value  operational current  operational c	relative humidity during operation	10 95 %
operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 eat 400 V rated value  5 A	Main circuit	
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>at AC-3e at 400 V rated value</li> <li>A</li> </ul>	number of poles for main current circuit	3
<ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>at AC-3 at 400 V rated value</li> <li>at AC-3e at 400 V rated value</li> <li>5 A</li> </ul>	operating voltage	
<ul> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> <li>operational current rated value</li> <li>5 A</li> <li>operational current</li> <li>at AC-3 at 400 V rated value</li> <li>5 A</li> <li>at AC-3e at 400 V rated value</li> <li>5 A</li> </ul>	rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 5 A  operational current  • at AC-3 at 400 V rated value 5 A  • at AC-3e at 400 V rated value 5 A	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operational current rated value 5 A  operational current  • at AC-3 at 400 V rated value 5 A  • at AC-3e at 400 V rated value 5 A	at AC-3e rated value maximum	690 V
operational current  • at AC-3 at 400 V rated value 5 A  • at AC-3e at 400 V rated value 5 A	operating frequency rated value	50 60 Hz
<ul> <li>at AC-3 at 400 V rated value</li> <li>at AC-3e at 400 V rated value</li> <li>5 A</li> <li>5 A</li> </ul>	operational current rated value	5 A
• at AC-3e at 400 V rated value 5 A	operational current	
	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	5 A
operating power	• at AC-3e at 400 V rated value	5 A
•	operating power	

• at AC-3	
— at 230 V rated value	1.1 kW
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 230 V rated value	1.1 kW
— at 400 V rated value	1.5 kW
— at 500 V rated value	2.2 kW
— at 690 V rated value	4 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
Auxiliary circuit	
number of NC contacts for auxiliary contacts	0
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
phase failure 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 500 V rated value	100 kA
• at AC at 690 V rated value	6 kA
operating short-circuit current breaking capacity (lcs) at AC	
at 240 V rated value	100 kA
at 400 V rated value	100 kA
• at 500 V rated value	100 kA
• at 690 V rated value	4 kA
response value current of instantaneous short-circuit trip unit	65 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	5 A
at 600 V rated value	5 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.17 hp
— at 230 V rated value	0.5 hp
• for 3-phase AC motor	
— at 200/208 V rated value	1 hp
— at 220/230 V rated value	1 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	3 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 400 V	gL/gG 32 A
• at 500 V	gL/gG 32 A
• at 690 V	gL/gG 25 A
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	0 mm

<ul> <li>for grounded parts at 400 V</li> </ul>	
— 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
for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
101 Waldo	o mini
Connections/ Terminals	
Connections/ Terminals	
type of electrical connection	spring-loaded terminals
	spring-loaded terminals Top and bottom
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit	
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections	
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts	Top and bottom
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded	Top and bottom  2x (0,5 4 mm²)
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²)
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing  — finely stranded without core end processing	Top and bottom  2x (0,5 4 mm²)  2x (0.5 2.5 mm²)  2x (0.5 2.5 mm²)
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing  • for AWG cables for main contacts	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)
type of electrical connection         • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections         • for main contacts             — solid or stranded             — finely stranded with core end processing             — finely stranded without core end processing             • for AWG cables for main contacts  design of screwdriver shaft	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing  • for AWG cables for main contacts	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)
type of electrical connection         • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections         • for main contacts             — solid or stranded             — finely stranded with core end processing             — finely stranded without core end processing             • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  proportion of dangerous failures	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)  Diameter 3 mm  3,0 x 0,5 mm
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for main contacts  design of screwdriver shaft  size of the screwdriver tip  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm 3,0 x 0,5 mm
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  proportion of dangerous failures	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)  Diameter 3 mm  3,0 x 0,5 mm
type of electrical connection         • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections         • for main contacts             — solid or stranded             — finely stranded with core end processing             — finely stranded without core end processing             • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm 3,0 x 0,5 mm  50 % 50 % 50 FIT
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for main contacts  design of screwdriver shaft  size of the screwdriver tip  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm 3,0 x 0,5 mm
type of electrical connection         • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections         • for main contacts             — solid or stranded             — finely stranded with core end processing             — finely stranded without core end processing             • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)  Diameter 3 mm 3,0 x 0,5 mm  50 % 50 % 50 FIT
type of electrical connection         • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections         • for main contacts             — solid or stranded             — finely stranded with core end processing             — finely stranded without core end processing             • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  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  T1 value for proof test interval or service life according to	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)  Diameter 3 mm 3,0 x 0,5 mm  50 % 50 FIT  5 000 10 a
type of electrical connection	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12)  Diameter 3 mm 3,0 x 0,5 mm  50 % 50 % 50 FIT  5 000 10 a  IP20
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing  • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm 3,0 x 0,5 mm  50 % 50 % 50 FIT  5 000 10 a  IP20 finger-safe, for vertical contact from the front
type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid or stranded  — finely stranded with core end processing  — finely stranded without core end processing  • for AWG cables for main contacts  design of screwdriver shaft size of the screwdriver tip  Safety related data  proportion of dangerous failures  • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  display version for switching status	Top and bottom  2x (0,5 4 mm²) 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 12) Diameter 3 mm 3,0 x 0,5 mm  50 % 50 % 50 FIT  5 000 10 a  IP20 finger-safe, for vertical contact from the front



Confirmation









**Test Certificates** 

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping

other

Railway





Household and similar appliances Confirmation



Vibration and Shock

Railway

**Environment** 

Confirmation

Environmental Confirmations

## Further information

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

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

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2311-1FC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-1FC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1FC20

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

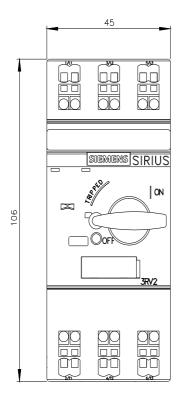
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-1FC20&lang=en

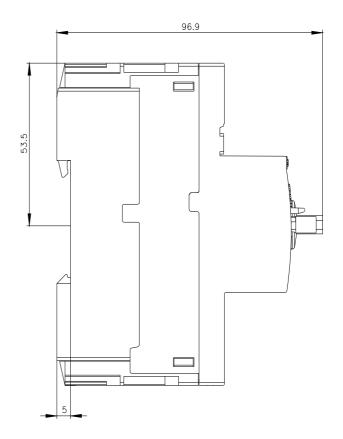
Characteristic: Tripping characteristics, I²t, Let-through current

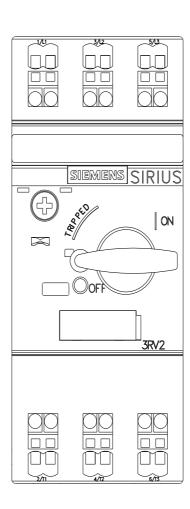
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1FC20/char

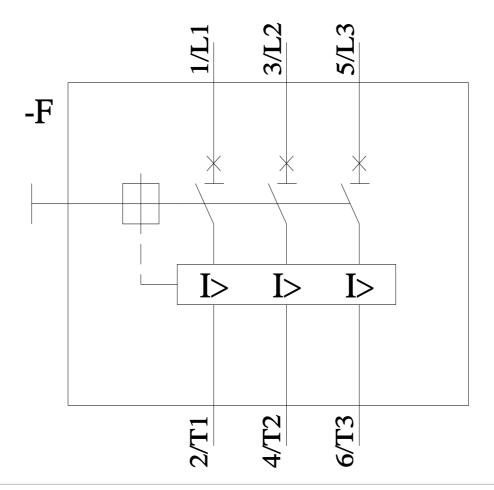
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-1FC20&objecttype=14&gridview=view1









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