## **SIEMENS**

Data sheet 3RV2311-1AC10



Circuit breaker size S00 for starter combination Rated current 1.6 A N-release 21 A screw terminal Standard switching capacity

product brain name product type designation  design of the product product type designation  Size 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 product extension auxiliary switch Yes  power loss IWJ for rated value of the current  at AC in hot operating state per pole that the surge voltage resistance rated value that the surge voltage that the surge voltage resistance rated value that the surge voltage that the surge voltage voltage that the surge voltage voltage that the surge voltage that the surge voltage voltage voltage that the surge voltage voltage	product brand name	SIRIUS
design of the product product type designation  3RV2  Size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch  yes  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 surge voltage resistance rated value  • of the main contacts typical • of the main contacts typical • of mailiary contacts typical • of mail	·	
product type designation  General technical data size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch yes  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 • 6 kV surge voltage resistance according to IEC 60068-2-27 surge voltage resistance according to IEC 60068-2-27 mechanical service life (operating cycles) • of the main contacts typical • of auxiliary 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) Ambient conditions installation altitude at height above sea level maximum ambient temperatur • during operation • during speration • during storage • 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 • at AC-3 at 400 V rated value		
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch yes power loss [W] for rated value of the current el AC in hot operating state 1 at AC in hot operating state per pole 2 at W insulation voltage with degree of pollution 3 at AC rated value 8 68 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2:7 2 5g / 11 ms mechanical service life (operating cycles) 1 00 000 1 of the main contacts typical 1 00 000 1 of dauxiliary contacts typical 1 00 000 1 electrical endurance (operating cycles) lypical 1 of 0000 2 electrical endurance (operating cycles) lypical 1 of one dauxiliary contacts typical 1 one 000 2 substance Prohibitance (Oate) 2 ou 000 2 maintain attitude at height above sea level maximum 2 000 m 3 mibient tremperature 1 during operation 2 ou +60 °C 3 ouring transport 2 ouring transport 3 operating voltage 1 at AC -3 rated value maximum 9 oo V 1 at AC -3 rated value maximum 9 oo V 1 at AC -3 rated value maximum 9 oo V 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		
size of the circuit-breaker size of contactor can be combined company-specific size of contactor can be combined company-specific product extension auxiliary switch yes  power loss [W] for rated value of the current • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 680 V surge voltage resistance according to IEC 60088-2-27 25g / 11 ms  mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical 100 000 • of auxiliary contacts typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during poperation • during storage • during transport • during transport voluming tran		OTV2
size of contactor can be combined company-specific product extension auxiliary switch Yes  power loss [W] for rated value of the current  • at AC in hot operating state 7.25 W  • at AC in hot operating state per pole 2.4 W  insulation voltage with degree of pollution 3 at AC rated value 680 V  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) typical 100 000  electrical endurance (operating cycles) typical 100 000  electrical endurance (operating cycles) typical 100 000  substance Prohibitance (Date) 100/1/2009  Ambient conditions 100/1/2009  Ambient conditions 100/1/2009  Ambient temperature 100/1/2009  • during operation 200 000  • during storage 500 000  • during storage 500 000  • during transport 500 000  • during transport 500 000  • during dransport 500 000  • at AC-3 rated value maximum 690 V  • at AC-3 rated value value 50 60 Hz  operational current rated value 1.6 A  operational current rated value 1.6 A  operating program at 400 V rated value 1.6 A  operating power		200
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 • 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  of auxiliary contacts typical  lou 000  electrical endurance (operating cycles) typical reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  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 operating voltage • rated value • at AC-3 rated value maximum • at AC-3 at 400 V rated value		
power loss [W] for rated value of the current  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  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  ledectrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  during operation  -20 +60 °C  during storage  during storage  during storage  during operation  -50 +80 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  operating voltage  at AC-3 rated value maximum  end to AC-3 rated value maximum  end to AC-3 rated value maximum  operating frequency rated value  operational current rated value  at AC-3 at 400 V rated value		
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 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 of auxiliary contacts typical lou 000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical lou 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Installation altitude at height above sea level maximum ambient temperature during operation during storage during transport storage 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	·	
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 lou 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport elative humidity during operation  10 95 %  Main circuit number of poles for main current circuit operating voltage rated value at AC-3 rated value maximum et AC-3 rated value maximum et AC-3 rated value operational current et AC-3 at 400 V rated value of each of a typical contact and a typical		7.25 W
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 to 0000 electrical endurance (operating cycles) typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during storage during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit operating voltage at AC-3 rated value maximum en at AC-3 rated value maximum en at AC-3 at 400 V rated value		
surge voltage resistance rated value 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature olduring storage olduring storage olduring transport relative humidity during operation  Main ctrcuit number of poles for main current circuit operating voltage  rated value at AC-3 rated value maximum operations current rated value operation current rated value operation current rated value at AC-3 at 400 V rated value		
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  reference code according to IEC 81346-2  Qu Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oduring operation  oduring storage  oduring transport  relative humidity during operation  mumber of poles for main current circuit  operating voltage  or rated value  at AC-3 are tad value maximum  operation current rated value  operational current rated value  operation power  1.6 A  operating power		
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  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 20 690 V  • at AC-3 rated value maximum 690 V  operating frequency rated value 50 60 Hz  operational current rated value 1.6 A  operational current rated value 1.6 A  • at AC-3 at 400 V rated value 1.6 A  operating power		
of the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical 100 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature of during operation during operation during operation  -20 +60 °C of turing transport of uning transport relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit operating voltage of rated value at AC-3 rated value maximum operations current rated value operational current rated value  at AC-3 at 400 V rated value		
of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  Ambient conditions installation altitude at height above sea level maximum ambient temperature     ouring operation     during storage     oduring storage     oduring transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit operating voltage     orated value     at AC-3 arted value maximum     operational current operational current rated value     operational current rated value     operational current at 400 V rated value     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     operating power  100 000		100 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature  • 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 requency rated value 50 60 Hz operational current  • at AC-3 at 400 V rated value 1.6 A operating power	•	100 000
Substance Prohibitance (Date)  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  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating frequency rated value  operational current  • at AC-3 at 400 V rated value  1.6 A  operating power	electrical endurance (operating cycles) typical	100 000
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • 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 late value  operating current rated value  50 60 Hz  operational current  1.6 A  operating power	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  operating frequency rated value  • at AC-3 at 400 V rated value • at AC-3 eat 400 V rated value • at AC-3 eat 400 V rated value  • at AC-3 eat 400 V rated value	Substance Prohibitance (Date)	10/01/2009
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  690 V  operating frequency rated value  operational current rated value  • at AC-3 at 400 V rated value  • at AC-3 eat 400 V rated value	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>eat AC-3 rated value maximum</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> </ul> operating frequency rated value <ul> <li>60 Hz</li> </ul> operational current rated value <ul> <li>1.6 A</li> </ul> operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>1.6 A</li> </ul> operating power <ul> <li>1.6 A</li> </ul> operating power <ul> <li>1.6 A</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>at AC-3e 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 rated value <ul> <li>1.6 A</li> </ul> operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>1.6 A</li> </ul> operating power <ul> <li>1.6 A</li> </ul> operating power <ul> <li>1.6 A</li> </ul>	ambient temperature	
<ul> <li>during transport</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> </ul> operating frequency rated value <ul> <li>50 60 Hz</li> </ul> operational current rated value <ul> <li>1.6 A</li> </ul> operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>1.6 A</li> </ul> operating power <ul> <li>1.7 A</li> </ul> operating power <ul> <li>1.8 A</li> </ul> operating	during operation	-20 +60 °C
relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit 3 operating voltage • rated value • at AC-3 rated value maximum 690 V • at AC-3e rated value maximum 690 V  operating frequency rated value 50 60 Hz operational current rated value 1.6 A  operational current • at AC-3 at 400 V rated value 1.6 A  operating power	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  operational current rated value  1.6 A  operational current  • at AC-3 at 400 V rated value  1.6 A  operating power	during transport	-50 +80 °C
number of poles for main current circuit  operating voltage  orated value  orated value  otal AC-3 rated value maximum  operating frequency rated value maximum  operating frequency rated value  operational current rated value  operational current  orat AC-3 at 400 V rated value  1.6 A  operating power	relative humidity during operation	10 95 %
operating voltage  • rated value  • at AC-3 rated value maximum  690 V  • at AC-3e rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  1.6 A  operational current  • at AC-3 at 400 V rated value  1.6 A  operating power	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>1.6 A</li> <li>operational current</li> <li>at AC-3 at 400 V rated value</li> <li>1.6 A</li> <li>operating power</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>1.6 A</li> <li>operational current</li> <li>at AC-3 at 400 V rated value</li> <li>at AC-3e at 400 V rated value</li> <li>1.6 A</li> <li>operating power</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>1.6 A</li> <li>operational current <ul> <li>at AC-3 at 400 V rated value</li> <li>at AC-3e at 400 V rated value</li> <li>1.6 A</li> </ul> </li> <li>operating power</li> </ul>	• rated value	20 690 V
operating frequency rated value 50 60 Hz operational current rated value 1.6 A  operational current  • at AC-3 at 400 V rated value 1.6 A  • at AC-3e at 400 V rated value 1.6 A  operating power	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
operational current rated value  operational current  • at AC-3 at 400 V rated value  • at AC-3e at 400 V rated value  1.6 A  operating power	at AC-3e rated value maximum	690 V
operational current  • at AC-3 at 400 V rated value  • at AC-3e at 400 V rated value  1.6 A  operating power	operating frequency rated value	50 60 Hz
• at AC-3 at 400 V rated value  • at AC-3e at 400 V rated value  1.6 A  operating power	operational current rated value	1.6 A
at AC-3e at 400 V rated value     1.6 A  operating power	operational current	
operating power	<ul> <li>at AC-3 at 400 V rated value</li> </ul>	1.6 A
	at AC-3e at 400 V rated value	1.6 A
• at AC-3	operating power	
	• at AC-3	

— at 230 V rated value	0.3 kW
— at 400 V rated value	0.6 kW
— at 500 V rated value	0.8 kW
— at 690 V rated value	1.1 kW
• at AC-3e	
— at 230 V rated value	0.3 kW
— at 400 V rated value	0.6 kW
— at 500 V rated value	0.8 kW
— at 690 V rated value	1.1 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
·	NO .
maximum short-circuit current breaking capacity (Icu)	100 kA
at AC at 400 V rated value	
at AC at 500 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 (lcs) at AC	40014
• at 240 V rated value	100 kA
<ul> <li>at 400 V rated value</li> </ul>	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	21 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	1.6 A
at 600 V rated value	1.6 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 230 V rated value	0.1 hp
• for 3-phase AC motor	
— at 460/480 V rated value	1 hp
— at 575/600 V rated value	0.8 hp
Short-circuit protection	
short-circuit protection product function short circuit protection	Yes
	Yes magnetic
product function short circuit protection	
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit	
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit	magnetic
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V	magnetic gL/gG 20 A
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V	magnetic gL/gG 20 A
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V • at 690 V Installation/ mounting/ dimensions	magnetic gL/gG 20 A gL/gG 16 A
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position	magnetic  gL/gG 20 A gL/gG 16 A  any
product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing • with side-by-side mounting at the side	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm 0 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm 0 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm  0 mm 30 mm 30 mm
product function short circuit protection  design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  required spacing  • with side-by-side mounting at the side  • for grounded parts at 400 V  — downwards	magnetic  gL/gG 20 A gL/gG 16 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm  0 mm  30 mm

— 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
<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
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	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
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for main contacts	
	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for main contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for main contacts     tightening torque	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw     for main contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw     for main contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  B10 value	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M3
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  B10 value     with high demand rate according to SN 31920	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M3
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  B10 value     with high demand rate according to SN 31920  proportion of dangerous failures	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2  M3  5 000
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  B10 value     with high demand rate according to SN 31920  proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920  failure rate [FIT]	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2  M3  5 000  50 % 50 %
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  B10 value     with high demand rate according to SN 31920  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	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M3  5 000  50 %
for AWG cables for main contacts  tightening torque     for main contacts with screw-type terminals  design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw     for main contacts  Safety related data  B10 value     with high demand rate according to SN 31920  proportion of dangerous failures     with low demand rate according to SN 31920     with high demand rate according to SN 31920  failure rate [FIT]	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2  M3  5 000  50 % 50 %
for AWG cables for main contacts  tightening torque         for main contacts with screw-type terminals  design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2  M3  5 000  50 % 50 % 50 %
for AWG cables for main contacts  tightening torque         for main contacts with screw-type terminals  design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw         for main contacts  Safety related data  B10 value         with high demand rate according to SN 31920  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  T1 value for proof test interval or service life according to IEC 61508	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2  M3  5 000  50 % 50 % 50 FIT 10 a
for AWG cables for main contacts  tightening torque         for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2  M3  5 000  50 % 50 % 50 FIT 10 a  IP20
for AWG cables for main contacts  tightening torque         for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M3  5 000  50 % 50 % 50 FIT 10 a  IP20  finger-safe, for vertical contact from the front
for AWG cables for main contacts  tightening torque         for main contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12  0.8 1.2 N·m  Diameter 5 to 6 mm  Pozidriv size 2  M3  5 000  50 % 50 % 50 FIT 10 a  IP20  finger-safe, for vertical contact from the front

Test Certificates

Marine / Shipping









Marine / Shipping

other

Railway





Confirmation



Confirmation

Vibration and Shock

## 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=3RV2311-1AC10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-1AC10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1AC10

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

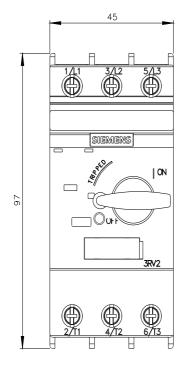
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2311-1AC10&lang=en

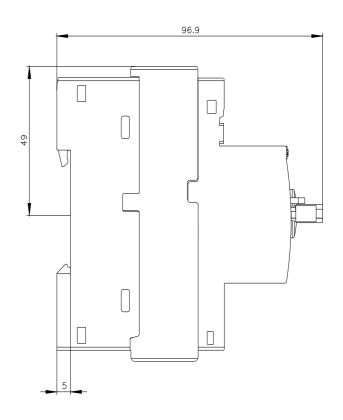
Characteristic: Tripping characteristics, I2t, Let-through current

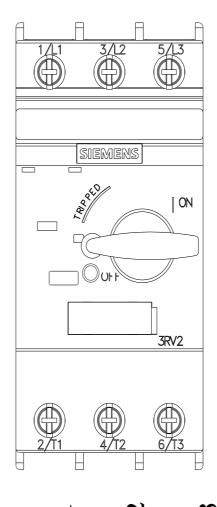
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1AC10/char

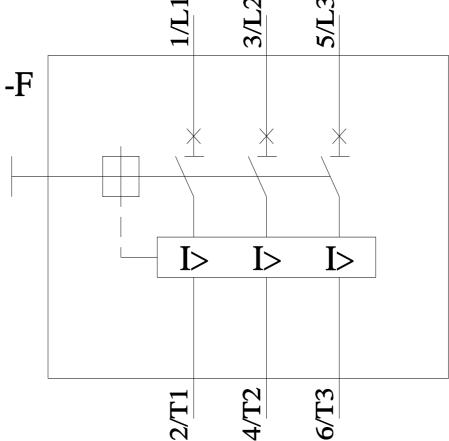
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-1AC10&objecttype=14&gridview=view1









last modified: 11/21/2022 🖸