# **SIEMENS**

Data sheet 3RV2011-4AA15



Circuit breaker size S00 for motor protection, CLASS 10 A-release 10...16 A N-release 208 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

Product designation   Circuit breaker	product brand name	SIRIUS
Septent   International Company   Septent	product designation	Circuit breaker
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 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 rated value  6 kV maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit • between main and suiting cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/4EU  certificate of suitability according to ATEX directive 2014/34/4EU  certificate of suitability according to ATEX directive 2014/34/EU  certificate of suitabili	design of the product	For motor protection
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  surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • of auxiliary contacts typical • Do 000  type of protection according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during torage • during torage • during transport  temperature compensation relative humidity during operation  -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C  relative humidity during operation -20 +60 °C	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 9.25 W • at AC in hot operating state per pole 3.1 W  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value 6 kV  maximum permissible voltage for safe isolation in networks with grounded star point 400 V • between main and auxiliary circuit 400 V shock resistance acc. to IEC 60068-2-27 25g / 11 ms  mechanical service life (switching cycles) • of the main contact typical 100 000 electrical endurance (switching cycles) typical 100 000 electrical endurance (switching cycles) typical 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during torage • during transport temperature compensation relative humidity during operation  ### AC in hot operating state 9.25 W ### AC in hot operation 9.25 W ### AC in hot operating state 9.25 W ### AC in hot oper	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 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 rated value  maximum permissible voltage for safe isolation in networks with grounded star point  between main and auxiliary circuit  between main contacts typical  of the main contacts typical  of auxiliary contacts typical  type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Q Substance Prohibitance (Date)  Anbient conditions  installation altitude at height above sea level maximum  ambient temperature  during storage  during storage  during storage  during transport  temperature compensation  relative humidity during operation  wain circuit  number of poles for main current circuit  3.1 W  400 V  5 Ex II (2) GD  DMT 02 ATEX F 001  DMT 02 ATE	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 e at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  maximum permissible voltage for safe isolation in networks with grounded star point  between main and auxiliary circuit between ma	size of contactor can be combined company-specific	S00, S0
at AC in hot operating state 9.25 W at AC in hot operating state per pole 3.1 W insulation voltage with degree of pollution 3 at AC rated value 690 V  surge voltage resistance rated value 6 kV  maximum permissible voltage for safe isolation in networks with grounded star point 400 V between main and auxiliary circuit 400 V between main and auxiliary circuit 400 V shock resistance acc. to IEC 60068-2-27 25g / 11 ms  mechanical service life (switching cycles) of the main contacts typical 100 000 electrical endurance (switching cycles) typical 100 000  type of protection according to ATEX directive 2014/34/EU reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2009  Ambient conditions installation altitude at height above sea level maximum ambient temperature oluring operation -20 +60 °C oluring transport -50 +80 °C temperature compensation -20 +60 °C relative humidity during operation -20 +60 °C	product extension auxiliary switch	Yes
• at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point • between main and auxiliary circuit • between main and auxiliary circuit • between main and auxiliary circuit  **shock resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/4EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport  temperature compensation  relative humidity during operation  Main circuit number of poles for main current circuit  3 1 W  690 V  400 V  6 kV  400 V  400	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  maximum permissible voltage for safe isolation in networks with grounded star point  • between main and auxiliary circuit  • between main and auxiliary circuit  • between main and auxiliary circuit  • both resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles)  • of the main contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  • of protection according to ATEX directive  2014/34/EU  certificate of suitability according to ATEX directive  2014/34/EU  reference code acc. to IEC 81346-2  Quultipated auxiliary contacts typical  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  temperature compensation  relative humidity during operation  Main circuit  number of poles for main current circuit  3	<ul> <li>at AC in hot operating state</li> </ul>	9.25 W
surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point  • between main and auxiliary circuit  * shock resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles) • of the main contacts typical • of auxiliary contacts typical • of auxiliary contacts typical   100 000 • during transport  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport - 50 +80 °C • during transport - 20 +60 °C relative humidity during operation  Main circuit number of poles for main current circuit   400 V  400	at AC in hot operating state per pole	3.1 W
maximum permissible voltage for safe isolation in networks with grounded star point  • between main and auxiliary circuit  • between main and auxiliary circuit  • between main and auxiliary circuit  shock resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (switching cycles) typical  type of protection according to ATEX directive  2014/34/EU  certificate of suitability according to ATEX directive  2014/34/EU  crefrence code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during storage  • during transport  -50 +80 °C  temperature compensation  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  3	0 1	690 V
networks with grounded star point  • between main and auxiliary circuit  • between main and auxiliary circuit  shock resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (switching cycles) typical  type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  creference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during sporage  • during storage  • during storage  • during transport  temperature compensation  relative humidity during operation  10 000  400 000  25g / 11 ms  100 000  100 000  25g / 11 ms  100 000  200 00  200	surge voltage resistance rated value	6 kV
between main and auxiliary circuit     shock resistance acc. to IEC 60068-2-27     zery / 11 ms      mechanical service life (switching cycles)         • of the main contacts typical             • of auxiliary contacts typical		
shock resistance acc. to IEC 60068-2-27  mechanical service life (switching cycles)  of the main contacts typical of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature olduring storage olduring storage olduring transport during transport -50+80°C temperature compensation relative humidity during operation  Main circuit number of poles for main current circuit  25g / 11 ms 25g / 11 ms 25g / 11 ms 100 000  000  000  000  EX II (2) GD  2MT 02 ATEX F 001  201.0.2009  ATEX F 001  200.0  01.10.2009  ACC 01.10.2009  02+60°C  -50+80°C  -50+80°C  -50+80°C  -20+60°C  10 95 %	<ul> <li>between main and auxiliary circuit</li> </ul>	400 V
mechanical service life (switching cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (switching cycles) typical  type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature  • during operation • during storage • during transport  temperature compensation  relative humidity during operation  Main circuit number of poles for main current circuit  100 000  EX II (2) GD  DMT 02 ATEX F 001  20 U  20 O  EX II (2) GD  20 U  20 O  EX II (2) GD  EX II (2)	between main and auxiliary circuit	400 V
of the main contacts typical     of auxiliary contacts typical     electrical endurance (switching cycles) typical     type of protection according to ATEX directive     2014/34/EU     certificate of suitability according to ATEX directive     2014/34/EU  reference code acc. to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     oduring storage     during storage     during transport     during transport     temperature compensation     relative humidity during operation  Main circuit  number of poles for main current circuit  100 000  EX II (2) GD  DMT 02 ATEX F 001  DMT 02 ATEX F 001  20 00  EX II (2) GD  O  O  O  O  O  O  O  O  O  O  O  O  O	shock resistance acc. to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (switching cycles) typical type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature     o during operation     during storage     during transport     during transport temperature compensation relative humidity during operation  Main circuit number of poles for main current circuit  100 000 Ex II (2) GD  DMT 02 ATEX F 001  20    Q  Q 20    O  0	mechanical service life (switching cycles)	
electrical endurance (switching cycles) typical  type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  temperature compensation  relative humidity during operation  Main circuit  number of poles for main current circuit  2 Il (2) GD  Ex II	<ul> <li>of the main contacts typical</li> </ul>	100 000
type of protection according to ATEX directive 2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  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  temperature compensation -20 +60 °C  relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3	of auxiliary contacts typical	100 000
2014/34/EU  certificate of suitability according to ATEX directive 2014/34/EU  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  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  temperature compensation -20 +60 °C  relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3	electrical endurance (switching cycles) typical	100 000
reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2009  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  temperature compensation -20 +60 °C  relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3		Ex II (2) GD
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  -50 +80 °C  temperature compensation -20 +60 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  3	, ,	DMT 02 ATEX F 001
Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  -50 +80 °C  temperature compensation -20 +60 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  3	reference code acc. to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  -50 +80 °C  temperature compensation -20 +60 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  3	Substance Prohibitance (Date)	01.10.2009
ambient temperature  • during operation  • during storage  • during transport  -50 +80 °C  • during transport  -50 +80 °C  temperature compensation  -20 +60 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  3	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>temperature compensation</li> <li>relative humidity during operation</li> <li>mumber of poles for main current circuit</li> <li>during storage</li> <li>-50 +80 °C</li> <li>-50 +80 °C</li> <li>10 95 %</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>● during storage</li> <li>-50 +80 °C</li> <li>● during transport</li> <li>-50 +80 °C</li> <li>temperature compensation</li> <li>-20 +60 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>3</li> </ul>	ambient temperature	
● during transport  -50 +80 °C  temperature compensation  -20 +60 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  3	<ul> <li>during operation</li> </ul>	-20 +60 °C
temperature compensation -20 +60 °C relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit 3	<ul><li>during storage</li></ul>	-50 +80 °C
relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit 3	during transport	-50 +80 °C
Main circuit  number of poles for main current circuit  3	temperature compensation	-20 +60 °C
number of poles for main current circuit 3	relative humidity during operation	10 95 %
· ·	Main circuit	
adjustable current response value current of the 10 16 A	number of poles for main current circuit	3
	adjustable current response value current of the	10 16 A

current-dependent overload release	
operating voltage	
• rated value	690 V
rated value     rated value	20 690 V
rated value     at AC-3 rated value maximum	20 690 V 690 V
operating frequency rated value	50 60 Hz
operational current rated value	16 A
operational current	
at AC-3 at 400 V rated value	16 A
operating power	
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A
• at 120 V	0.5 A
• at 125 V	0.5 A
• at 230 V	0.5 A
operational current of auxiliary contacts at DC-13	
• at 24 V	1 A
● at 60 V	0.15 A
Protective and monitoring functions	
product function	
product function • ground fault detection	No
product function	Yes
product function • ground fault detection	
product function	Yes
product function	Yes CLASS 10
product function	Yes CLASS 10
product function	Yes CLASS 10 thermal
product function	Yes CLASS 10 thermal
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A
product function	Yes CLASS 10 thermal  100 kA 30 kA 5 kA 2 kA  100 kA 55 kA 10 kA 4 kA 208 A

contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  magnetic  design of the fuse link  of or short-circuit protection of the auxiliary switch required  design of the fuse link for IT network for short-circuit protection of the main circuit  of at 240 V  of at 400 V  of at 500 V  of at 690 V  C300 / R300  Yes  magnetic  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lik < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lik < 400 A)	at 460/490 \/ rated value	10 hn
Short-circuit protection   Yes   magnetic   Management   Yes   magnetic   Management   Yes   magnetic   Management   Yes   Management   Yes   Management   Yes   Management   Yes   Management   Yes   Management   Yes   Yes   Management   Yes   Y	— at 460/480 V rated value	10 hp
product function short circuit protection design of the short-circuit trip design of the state link  • for short-circuit protection of the auxiliary switch required acing of the fuse link  • for short-circuit protection of the auxiliary switch required acing of the fuse link for TT network for short-circuit protection of the main circuit treatment of the main cir		C300 / K300
design of the short-circuit trip    Sessing of the fuse link     For achort-circuit protection of the auxillary switch required     Sessing of the fuse link for IT network for short-circuit protection of the main circuit     Sessing of the fuse link for IT network for short-circuit protection of the main circuit     Sessing of the fuse link for IT network for short-circuit protection of the main circuit     Sessing of the fuse link for IT network for short-circuit protection of the main circuit     Sessing of the session     Session of the session     Ses		
design of the fuse link     * for short-circuit protection of the auxiliary switch required  design of the fuse link for IT network for short-circuit protection of the main circuit     * at 24.00 V     * at 40.00 V     * at 650 V		
Fuse gL/GG: 10 A, miniature circuit breaker C 6 A (short-circuit current required frequired fix 400 A)   Fuse gL/GG: 10 A, miniature circuit breaker C 6 A (short-circuit current required for the main circuit   a 12 40 V		magnetic
Re < 400 A)   Mes   Me		Fuencial (aC) 40 A mainistrum simulit handless C C A ( )
design of the fuse link for IT network for short-circuit protection of the main circuit   sal 240 V   sal 400 V   sul 400 V   sul 400 V   sul 56 83 A   sul 56 83 A   sul 56 80 A   su		
protection of the main circuit	· · · · · · · · · · · · · · · · · · ·	
• at 6500 V • at 6500 V • at 6500 V  Installation mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting raill scoording to DIN EN 60715  height width 45 mm  depth vidth 45 mm  depth • for grounded parts at 400 V  — downwards — upwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — at the side • for grounded parts at 500 V  — downwards — upwards — at the side • for grounded parts at 600 V  — downwards — on the parts at 500 V  — downwards — on the parts at 500 V  — downwards — on the side — on the parts at 600 V  — downwards — on the side — on the parts at 600 V  — downwards — backwards — on mm — the side — forwards — on mm — the side — forwards — on mm — the side — forwards — the side — on mm — the side — on mm — the side — forwards — the side — on mm — the side — forwards — the side — on mm — the side — forwards — the side — on mm — the side —	• at 240 V	gL/gG 80 A
earl 1990 V   gL/gG 40 A   Installation mounting / dimensions	● at 400 V	gL/gG 63 A
Installation/ mounting/ dimensions	● at 500 V	gL/gG 50 A
mounting position   any   screw and snap-on mounting onto 35 mm standard mounting rail   according to DIN EN 60715   S mm   standard mounting rail   according to DIN EN 60715   S mm   standard mounting rail   according to DIN EN 60715   S mm   S	• at 690 V	gL/gG 40 A
Assening method   Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 80715	Installation/ mounting/ dimensions	
According to DIN EN 60715   Section   Sectio	mounting position	any
width         45 mm           depth         97 mm           required spacing         97 mm           • for grounded parts at 400 V         30 mm           — at the side         9 mm           • for live parts at 400 V         9 mm           — downwards         30 mm           — upwards         9 mm           • for grounded parts at 500 V         9 mm           — downwards         30 mm           — upwards         30 mm           — ownwards         30 mm           — the side         9 mm           • for live parts at 500 V         9 mm           — downwards         30 mm           — upwards         30 mm           — ownwards         30 mm           • for grounded parts at 690 V         9 mm           • for grounded parts at 690 V         50 mm           — backwards         0 mm           — at the side         30 mm           — backwards         0 mm           — forwards         0 mm           • for live parts at 590 V         0 mm           — downwards         50 mm           • for live parts at 590 V         0 mm           — forwards         0 mm           • for	fastening method	according to DIN EN 60715
depth		97 mm
efor grounded parts at 400 V  — downwards — upwards — at the side — of live parts at 400 V  — downwards — upwards — upwards — upwards — upwards — at the side — of for grounded parts at 500 V  — downwards — of for grounded parts at 500 V  — downwards — upwards — of for grounded parts at 500 V  — downwards — upwards — of for live parts at 500 V  — downwards — at the side — of roll in the side — of for live parts at 500 V  — downwards — at the side — of man at the side — of or grounded parts at 690 V  — downwards — of for grounded parts at 690 V  — downwards — of for grounded parts at 690 V  — downwards — of man at the side — of or grounded parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of man at the side — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for live parts at 690 V  — downwards — of for man current circuit — for main current circuit — for main current circuit — of or auxiliary and control circuit — of or main current circuit — of or main current circuit  For own and control circuit — of or main current of electrical connectors for main current circuit  Top and bottom		45 mm
for grounded parts at 400 V         — downwards         — upwards         — at the side         • for live parts at 400 V         — downwards         — upwards         — upwards         — upwards         — at the side         • for grounded parts at 500 V         — downwards         — upwards         — at the side         • for live parts at 500 V         — downwards         — upwards         — at the side         • for grounded parts at 690 V         — downwards         — at the side         • for grounded parts at 690 V         — downwards         — upwards         — backwards         — upwards         — backwards         — at the side         — forwards         • for live parts at 690 V         — downwards         — at the side         — forwards         — to many         • for live parts at 690 V         — downwards         — to many         — to many         — forwards         — forwards         — forwards         — forwards         — for live parts at 690 V         — downwards         — forwards         — to many         — to many         — to the side         — so many         — at the side         — on many         — to the side         — forwards         — on many         — to many         — at the side         — forwards         — on many         — to man	<u> </u>	97 mm
downwards		
- upwards - at the side • for live parts at 400 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - upwards - upwards - upwards - at the side • for live parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - upwards - backwards - the side - for live parts at 690 V - downwards - at the side - for live parts at 690 V - downwards - at the side - for wards - the side - for wards - upwards - the side - for wards - upwards - for live parts at 690 V - downwards - the side - forwards - upwards - backwards - backwards - o mm - o mm - connections/ Terminals - for an unrent circuit - for a an unrent circuit - for onnectable conductor cross-sections - for main cornectable conductor cross-sections - for main cornectab	-	
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  — upwards 30 mm  — at the side 9 mm  • for live parts at 500 V  — downwards 30 mm  — upwards 30 mm  — upwards 30 mm  — upwards 30 mm  — upwards 30 mm  — at the side 9 mm  • for grounded parts at 690 V  — downwards 50 mm  — upwards 50 mm  — upwards 50 mm  — backwards 0 mm  — at the side 30 mm  • for live parts at 690 V  — downwards 50 mm  — at the side 30 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 0 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 0 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 0 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 90 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 90 mm  • for live parts at 690 V  — downwards 50 mm  — backwards 90 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 60 mm  • for live parts at 690 V  — downwards 60 mm  • for live parts at 690 V  — downwards 60 mm  • for live parts at 690 V  — downwards 60 mm  • for live parts at 690 V		
of rolive parts at 400 V         downwards	·	
— downwards         30 mm           — upwards         30 mm           — at the side         9 mm           • for grounded parts at 500 V         —           — downwards         30 mm           — upwards         30 mm           — of rol 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           — backwards         0 mm           — at the side         30 mm           — for live parts at 690 V         —           — downwards         50 mm           — to live parts at 690 V         —           — downwards         50 mm           — to live parts at 690 V         —           — downwards         50 mm           — upwards         50 mm           — backwards         0 mm           — at the side         30 mm           — backwards         0 mm           — at the side         30 mm           — forwards         0 mm           — at the side         30 mm           — forwards         0 mm		9 mm
- upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - upwards - upwards - upwards - upwards - upwards - at the side • for grounded parts at 690 V - downwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - upwards - at the side - for live parts at 690 V - downwards - at the side - for live parts at 690 V - at the side - for live parts at 690 V - downwards - at the side - for live parts at 690 V - downwards - at the side - forwards • for live parts at 690 V - downwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - backwards - upwards - backwards - upwards - or mm - the side - forwards - or		20
at the side for grounded parts at 500 V  - downwards - upwards - at the side for live parts at 500 V  - downwards - upwards - at the side for grounded parts at 500 V  - downwards - at the side grounded parts at 690 V  - downwards - at the side for grounded parts at 690 V  - downwards - upwards - backwards - upwards - backwards - at the side - forwards - omm five parts at 690 V  - downwards - omm five parts at 690 V  - downwards - omm forwards - omm  for live parts at 690 V  - downwards - omm for wards - omm forwards - omm forwards - omm  for main current circuit for main current circuit arrangement of electrical connectors for main current circuit  report oconnectable conductor cross-sections for main contacts  for main contacts  somm  for main contacts  somm  for parts at 500 V  Somm  No  Top and bottom  Top and bottom		
• for grounded parts at 500 V  — downwards — upwards — at the side 9 mm  • for live parts at 500 V  — downwards — at the side 9 mm  • for grounded parts at 600 V  — downwards — upwards — at the side 9 mm  • for grounded parts at 690 V  — downwards 50 mm  • for grounded parts at 690 V  — downwards — upwards — backwards — backwards — at the side 9 mm  • for live parts at 690 V  — downwards • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards 50 mm  • for live parts at 690 V  — downwards — upwards 50 mm  — upwards 50 mm  — upwards — backwards — upwards — backwards — o mm  — at the side — forwards 0 mm  — to reactions/ terminals  Product component removable terminal for auxiliary and control circuit screw-type terminals  arrangement of electrical connectors for main current circuit vicuit  type of connectable conductor cross-sections • for main contacts	·	
- downwards - upwards - at the side 9 mm  • for live parts at 500 V - downwards 30 mm 30 mm  - upwards 30 mm  - upwards 30 mm  • for grounded parts at 690 V - downwards 50 mm - upwards - backwards 0 mm - at the side 9 for live parts at 690 V - downwards 50 mm  • for live parts at 690 V - downwards 0 mm  • for live parts at 690 V - downwards 50 mm  • for live parts at 690 V - downwards 0 mm  • for live parts at 690 V - downwards 0 mm  • for live parts at 690 V - downwards 0 mm  - product of live parts at 690 V - downwards 0 mm  • for rive parts at 690 V - downwards 0 mm  • for rive parts at 690 V - downwards 0 mm  • for rive parts at 690 V - downwards 0 mm  • for main current circuit screw-type terminals  • for auxiliary and control circuit arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts		9 IIIIII
- upwards		20 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  - upwards 50 mm  - backwards 0 mm  - forwards 0 mm  - forwards 0 mm  • for live parts at 690 V  - downwards 50 mm  - forwards 0 mm  • for live parts at 690 V  - downwards 50 mm  - at the side 30 mm  - upwards 50 mm  - backwards 0 mm  - backwards 0 mm  - backwards 0 mm  - backwards 0 mm  - backcwards 0 mm  - backcwards 0 mm  - backcwards 0 mm  - forwards 0 mm  - for on an current circuit screw-type terminals  • for auxiliary and control circuit  - for main current circuit screw-type terminals  • for auxiliary and control circuit  - for auxiliary and control circuit  - for main current circuit screw-type terminals  • for main contacts		
for live parts at 500 V         — downwards         — upwards         — at the side         • for grounded parts at 690 V         — downwards         — upwards         — upwards         — upwards         — upwards         — upwards         — upwards         — backwards         — backwards         — forwards         — for live parts at 690 V         — downwards         • for live parts at 690 V         — downwards         — upwards         — upwards         — upwards         — backwards         — upwards         — backwards         — upwards         — backwards         — on mm         — at the side         — on mm         — at the side         — on mm         — forwards         — on mm  Connections/ Terminals  Product component removable terminal for auxiliary and control circuit  type of electrical connection         • for main current circuit         • for auxiliary and control circuit  type of connectable conductor cross-sections         • for main contacts	·	
- downwards 30 mm - upwards 30 mm - at the side 9 mm  • for grounded parts at 690 V - downwards 50 mm - upwards 0 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm - at the side 30 mm - for live parts at 690 V - downwards 50 mm  • for live parts at 690 V - downwards 50 mm - upwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - at the side 30 mm - orwards 0 mm - at the side 30 mm - forwards 0 mm - forwards 0 mm - at the side 30 mm - forwards 0 mm - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit screw-type terminals arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts		J 111111
- upwards - at the side 9 mm  • for grounded parts at 690 V - downwards 50 mm - backwards 0 mm - at the side 30 mm - backwards 0 mm - forwards 0 mm - forwards 50 mm  • for live parts at 690 V - downwards 50 mm  • for live parts at 690 V - downwards 50 mm - backwards 0 mm - backwards 0 mm - at the side 30 mm 0 mm  - backwards 0 mm - backwards 0 mm - onwards 0 mm  - forwards 0 mm - forwards 0 mm  - forwards 0 mm  - forwards 0 mm  - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit  screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts	•	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  • for live parts at 690 V  - downwards 50 mm  - upwards 50 mm  - upwards 50 mm  - upwards 50 mm  - packwards 0 mm  - at the side 30 mm  - at the side 30 mm  - at the side 30 mm  - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts		
for grounded parts at 690 V         — downwards         — upwards         — backwards         — at the side         — forwards         — downwards         — of for live parts at 690 V         — downwards         — upwards         — of ownwards         — upwards         — upwards         — upwards         — backwards         — backwards         — at the side         — forwards         — at the side         — forwards         — of own mm  Connections/ Terminals  Product component removable terminal for auxiliary and control circuit  type of electrical connection         • for main current circuit         • for auxiliary and control circuit  type of connectable conductor cross-sections         • for main contacts	•	
- 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 - upwards 50 mm - backwards 0 mm - forwards 0 mm - for under the side 30 mm - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts		
- 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 - upwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts	-	50 mm
- at the side - forwards 0 mm  • for live parts at 690 V - downwards - upwards - backwards - backwards - at the side - forwards 0 mm  - at the side - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  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  • for main contacts		
forwards 0 mm  • for live parts at 690 V  downwards 50 mm  upwards 0 mm  backwards 0 mm  at the side 30 mm  forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit screw-type terminals  • for main current circuit screw-type terminals  arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections  • for main contacts  • for main contacts		
- downwards 50 mm - upwards 0 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts		0 mm
- downwards 50 mm - upwards 0 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts	• for live parts at 690 V	
- backwards 0 mm - at the side 30 mm - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts		50 mm
- backwards - at the side - forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for main current circuit • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts	— upwards	50 mm
— forwards 0 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts		0 mm
product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts  No  screw-type terminals  Top and bottom	— at the side	30 mm
product component removable terminal for auxiliary and control circuit  type of electrical connection	— forwards	0 mm
and control circuit  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts  • for main contacts	Connections/ Terminals	
• for main current circuit     • for auxiliary and control circuit      arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections     • for main contacts      screw-type terminals  Top and bottom		No
• for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts  screw-type terminals  Top and bottom	type of electrical connection	
arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  Top and bottom	• for main current circuit	screw-type terminals
type of connectable conductor cross-sections  • for main contacts	for auxiliary and control circuit	screw-type terminals
• for main contacts		Top and bottom
	type of connectable conductor cross-sections	
— solid or stranded 2x (0,75 2,5 mm²), 2x 4 mm²		
	— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²

<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (18 14), 2x 12
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14)
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
<ul> <li>for main contacts</li> </ul>	M3
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3
Safety related data	
B10 value	
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	5 000
proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	50 %
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	50 %
failure rate [FIT]	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	50 FIT
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
display version for switching status	Handle
Certificates/ approvals	

## General Product Approval





Confirmation



<u>KC</u>



#### 





IECEx



UK Declaration of Conformity Type Test Certificates/Test Report

Special Test Certificate

#### Marine / Shipping















### Marine / Shipping other Railway



Confirmation



Vibration and Shock

Confirmation

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=3RV2011-4AA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-4AA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-4AA15

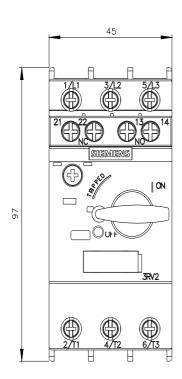
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-4AA15&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-4AA15&lang=en</a>

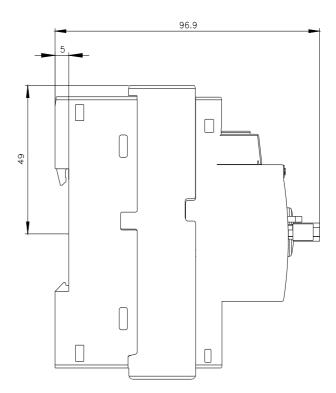
Characteristic: Tripping characteristics, I2t, Let-through current

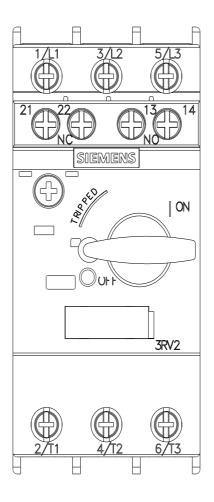
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-4AA15/char

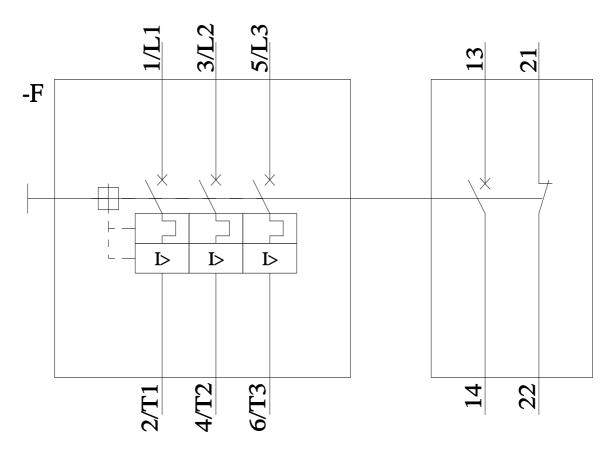
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-4AA15&objecttype=14&gridview=view1









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