## **SIEMENS**

## **Data sheet**



Special type Circuit breaker size S00 for motor protection, CLASS 10 A-release 1.8...2.5 A N-release 33 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC Ambient temperature -50 °C 500 switching cycles

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	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	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (switching cycles)	
<ul> <li>of the main contacts typical</li> </ul>	500
of auxiliary contacts typical	500
electrical endurance (switching cycles) typical	500
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	
<ul><li>during operation</li></ul>	-50 +60 °C
<ul><li>during storage</li></ul>	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	1.8 2.5 A
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	2.5 A
operational current	
• at AC-3 at 400 V rated value	2.5 A
operating power	

* all AC-3		
at 400 Y rated value	• at AC-3	0.41W
at 500 V rated value		
— at 680 V rated value operating frequency		
operating frequency  at AG-3 maximum  Auditary circuit design of the auxiliary switch number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15  at 24 V  at 120 V  at 120 V  operational current of auxiliary contacts at DC-19  at 24 V  at 60 V  operational current of auxiliary contacts at DC-19  at 60 V  operational current of auxiliary contacts at DC-19  at 70 V  operational current o		
audilary circuit  design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts porational current of auxiliary contacts at AC-15 at 12 V at 12 OV at 12 OV at 12 N at 12 OV at 12 N a		1.5 kW
Auxiliary circuit   design of the auxiliary switch   mumber of NC contacts for auxiliary contacts   1		45.40
design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • al 24 V • at 129 V • at 129 V • at 129 V • at 230 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 100 V • at 100 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 100 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 50 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 50 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 50 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 60 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 60 V  operational current of auxiliary contacts at DC-13 • al 24 V • at 60 V • protect function • opcound fault detection • product function • opcound fault detection • product function short circuit protection • function of the fuse link • for short-circuit protection • for short-circuit protection • function of the fuse link for 17 network for short-circuit protection • function of the fuse link for 17 network for short-circuit protection • function of the fuse link for 17 network for short-circuit protection • for short-circuit protection • function of the fuse link for 17 network for short-circuit protection • function of the fuse link for 17 network for short-circuit protection • function of the fuse link for 17 network for short-circuit protection • function of the fuse link for 17 netwo		15 1/n
number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts operational current of auxiliary contacts at AC-15  • at 24 V  • at 120 V  • at 120 V  • at 220 V  operational current of auxiliary contacts at DC-13  • at 22 V  • at 230 V  operational current of auxiliary contacts at DC-13  • at 22 V  • at 60 V  Protective and monitoring functions  product function  • phase failure detection  • phase failure		
operational current of auxillary contacts at AC-15  • al 24 V  • at 129 V  • at 125 V  • at 230 V  operational current of auxillary contacts at DC-13  • al 24 V  • at 120 V  • at 230 V  operational current of auxillary contacts at DC-13  • al 24 V  • at 60 V  Protective and monitoring functions  product function  • ground fault detection  • ground fault detection  • ground fault detection  • phase faithure detection  • phase faithure detection  • ground fault detection  • phase faithure detection  • ground fault detection  • phase faithure detection  • ground fault detection  • ground fault detection  • ground fault detection  • phase faithure detection  • phase faithure detection  • phase faithure detection  • ground fault detection  • ground fault detection  • ground fault detection  • phase faithure detection  • ground fault detection  • gro		
operational current of auxillary contacts at AC-15  al 24 V ol 125 V ol 3230 V operational current of auxillary contacts at DC-13 al 25 V ol 3230 V operational current of auxillary contacts at DC-13 al 26 V ol 36 N ol 37 N ol 38 N		
eat 24 V   eat 120 V   0.5 A		
• at 120 V • at 125 V • at 125 V • at 125 V • at 230 V  operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V  Protective and monitoring functions  product function • ground fault detection • phase failure detection • phase failure detection • phase failure detection • product function • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at 600 V		2 A
at 125 V operational current of auxiliary contacts at DC-13 at 24 V at 80 V other control of success and success at BC-13 at 24 V at 80 V other control of success at BC-13 broadcast at BC-13 at 24 V at 80 V control of success at BC-13 broadcast at BC-13 broadcast at BC-14 broadcast at BC-15 broadcast at BC-15 design of the overload release broadcast at BC-15 broadcast at BC-15 broadcast at BC-15 design of the overload release broadcast at BC-15 broadcast at BC-15 design of the overload release broadcast at BC-15 broadcast at BC-15 design of the overload release broadcast at BC-15 broadcast at BC-15 design of the overload release broadcast at BC-15 broadcast at BC-15 design of the overload release broadcast at BC-15 design of the overload release broadcast at BC-15 design of the overload release broadcast at BC-15 design of the success at BC-15 design of the fuse link of or short-circuit protection  product function short circuit protection design of the fuse link of or short-circuit protection of the auxiliary switch required 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 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 the success at BC-15 design of the fuse link for IT network for short-circuit protection of the main circuit of the success at BC-15 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 the success at BC-15 design of the success at BC-15 design of the fuse link for IT network for short-circuit protection of the main circuit of the success at BC-15 design of the protection of the auxiliary switch requir		
e at 230 V operational current of auxiliary contacts at DC-13		
operational current of auxiliary contacts at DC-13  • at 24 V  • at 80 V  Protective and monitoring functions  product function  • ground fault detection  • product faunction  • product faunction short circuit trip  required  • design of the fuse link • for short-circuit trip  • at 400 V at 100 kA  • at 400 V rated value  • at 500 V rated value  • at 600 V rated value  • at 500 V rated value  • at 600 V rate		
e at 24 V	operational current of auxiliary contacts at DC-13	
Protective and monitoring functions  product function		1 A
product function ground fault detection ground fault detection phase failure detection Yes  trip class  design of the overload release breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value at AC at 250 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 500 V rated value 100 kA  at 40 V rated value 100 kA  at 40 V rated value 100 kA  at 40 V rated value 100 kA  at 400 V rated value 100 kA  at 400 V rated value 100 kA 33 A  to kA  at 500 V rated value 100 kA 33 A  solve at 600 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA at 600 V rated value 100 kA at 600 KA		0.15 A
• ground fault detection • phase failure detection Yes  trip class CLASS 10  design of the overload release breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 4600 V rated value • at AC at 6500 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 6500 V rated value  Gesign of the fuse link • for short-circuit protection of the short-circuit protection of the fuse link • for short-circuit protection of the maxiliary switch required  design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 6500	Protective and monitoring functions	
Phase failure detection     Trip class     CLASS 10     design of the overload release     breaking capacity maximum short-circuit current (Icu)         • at AC at 240 V rated value         • at AC at 240 V rated value         • at AC at 500 V rated value         • at AC at 5690 V rated value         • at AC at 690 V rated value         • at 240 V rated value         • at 400 V rated value         • at 500 V rated value         • at 500 V rated value         • at 690 V rated value          • at 690 V rated value		
trip class  design of the overload release breaking capacity maximum short-circuit current (icu)  at AC at 240 V rated value at AC at 550 V rated value 100 kA 10 kA  breaking capacity operating short-circuit current (ics) 110 kA  110 kA  110 kA 110	ground fault detection	No
design of the overload release themal breaking capacity maximum short-circuit current (Icu)  at AC at 240 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 500 V rated value 100 kA breaking capacity operating short-circuit current (Ics) at AC at AC at 690 V rated value 100 kA breaking capacity operating short-circuit current (Ics) at AC at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA breaking capacity operating short-circuit trip 100 kA at 690 V rated value 100 kA brot-circuit protection function short circuit protection Yes design of the short-circuit protection of the susiliary switch required 400 A) design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V at 690 V a	<ul> <li>phase failure detection</li> </ul>	Yes
breaking capacity maximum short-circuit current (Icu)  at AC at 240 V rated value  at AC at 400 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  breaking capacity operating short-circuit current (Ics)  at AC  at 240 V rated value  100 kA  breaking capacity operating short-circuit current (Ics)  at AC  at 240 V rated value  100 kA  at 340 V rated value  100 kA  at 500 V rated value  100 kA  at 500 V rated value  100 kA  at 500 V rated value  100 kA  at 690 V rated value  100 kA  at 690 V rated value  100 kA  at 690 V rated value  200 kA  at 690 V rated value  100 kA  at 690 V rated value  200 kA  at 690 V rated value  200 kA  at 690 V rated value  200 kA  33 A  short-circuit protection  Product function short circuit trip  adesign of the fuse link  a 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 400 V  3G 25 A  at 500 V  at 500 V  at 500 V  at 500 V  at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  width  45 mm  depth  required spacing  a for grounded parts at 400 V  —downwards  30 mm	trip class	CLASS 10
at AC at 240 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 690 V rated value breaking capacity operating short-circuit current (Ics) at AC at 400 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 690 V rated value 100 kA breaking capacity operating short-circuit trip 100 kA at 690 V rated value 100 kA at 690 V gc 25 A at 690 V gc 20 A  Installation/ mounting/ dimensions  mounting position fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height width 45 mm depth required spacing • for grounded parts at 400 V — downwards 30 mm	design of the overload release	thermal
at AC at 400 V rated value at AC at 590 V rated value 100 kA breaking capacity operating short-circuit current (ics) at AC at 240 V rated value 100 kA at 240 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 690 V rated value 100 kA at 500 V rated value 100 kA at 690 V rated value 100 kA at 690 V rated value 100 kA at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  at 690 V rated value 100 kA  product function short circuit protection product function short circuit protection  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 600 A)  design of the fuse link for IT network for short-circuit protection of the main circuit  at 400 V  at 500 V  at 500 V  at 690 V  bright screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	breaking capacity maximum short-circuit current (lcu)	
at AC at 500 V rated value  at AC at 500 V rated value  breaking capacity operating short-circuit current (Ics) at AC  at 240 V rated value  at 500 V rated value  at 500 V rated value  at 600 V rated value  breaking capacity operating short-circuit trip  at 600 V rated value  at 600 V rated value  response value current of instantaneous short-circuit trip  unit  short-circuit protection  product function short circuit protection  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  at 400 V  at 400 V  at 500 V  at 500 V  at 600 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  97 mm  width  depth  of or grounded parts at 400 V  — downwards  30 mm	<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
at AC at 690 V rated value     breaking capacity operating short-circuit current (Ics) at AC     at 240 V rated value     at 400 V rated value     at 500 V rated value     at 690 V rated value     response value current of instantaneous short-circuit trip unt      short-circuit protection     product function short circuit protection     design of the fuse link         of rated value required     design of the fuse link         of rated value required         at 400 V	<ul> <li>at AC at 400 V rated value</li> </ul>	100 kA
breaking capacity operating short-circuit current (Ics) at AC  • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value response value current of instantaneous short-circuit trip unit  Short-circuit protection product function short circuit protection design of the short-circuit trip • for short-circuit protection of the fuse link • for short-circuit protection of the fuse link • for short-circuit protection of the fuse link • at 400 V design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 500 V • at 690 V • at 690 V short-circuit protection of the main circuit • at 400 V • at 690 V • at 69	<ul> <li>at AC at 500 V rated value</li> </ul>	100 kA
at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  at 690 V rated value  at 690 V rated value  product function short circuit protection  product function short circuit trip  design of the fuse link  for short-circuit protection of the auxiliary switch required  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 400 V  at 500 V  gG 25 A  at 500 V  at 690 V  gG 20 A  Installation/ mounting/ dimensions  mounting position  fastening method  any  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  width  depth  required spacing  for grounded parts at 400 V  — downwards  30 mm		10 kA
at 400 V rated value at 500 V rated value at 690 V rated value 100 kA  at 690 V rated value response value current of instantaneous short-circuit trip unit  Short-circuit protection product function short circuit protection design of the short-circuit trip 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 400 V at 400 A  gG 25 A at 500 V at 690 V gG 25 A gG 20 A  Installation/ mounting/ dimensions mounting position fastening method  ary midth depth for grounded parts at 400 V at 600 W at 60		
at 500 V rated value at 690 V rated value 10 kA 10 kA response value current of instantaneous short-circuit trip unit  Short-circuit protection  product function short circuit protection  design of the short-circuit trip 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 400 V at 500 V at 500 V at 600 V at 600 V at 600 V  Installation/ mounting/ dimensions  mounting position fastening method  fastening method  ary for grounded parts at 400 V af or grounded parts at 400 V and of grounded pa	<ul> <li>at 240 V rated value</li> </ul>	100 kA
• at 690 V rated value response value current of instantaneous short-circuit trip unit  Short-circuit protection product function short circuit protection design of the short-circuit trip 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 400 V • at 500 V • at 500 V • at 690 V  Installation/ mounting/ dimensions mounting position fastening method  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Response of the fuse link for IT network for short-circuit on at 400 V • at 500 V • at 500 V • at 500 V • at 690 V  Installation/ mounting/ dimensions mounting position fastening method  fastening method  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height y7 mm  required spacing • for grounded parts at 400 V — downwards  30 mm	<ul> <li>at 400 V rated value</li> </ul>	100 kA
response value current of instantaneous short-circuit trip unit  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  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 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  height  width  depth  • for grounded parts at 400 V  — downwards  33 A  33 A  33 A  34  35 A  36 A  36 A  36 A  36 A  97 B  37 A  38 A  38 A  39 A  30 A  40  40  40  40  40  40  40  40  40  4		
unit  Short-circuit protection  product function short circuit protection  design of the short-circuit trip  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 400 V  • at 500 V  • at 690 V  gG 25 A  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  width  depth  required spacing  • for grounded parts at 400 V  — downwards  Yes  magnetic  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk <  gG 25 A  fuse gG: 25 A  gG 25 A  gG 25 A  gG 20 A  Installation/ mounting/ dimensions  mounting position  fastening method  3 orm  30 mm		
product function short circuit protection  design of the short-circuit trip  magnetic  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 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  according to DIN EN 60715  height  • for grounded parts at 400 V  — downwards  Yes  magnetic  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  gG 25 A  gG 25 A  gG 25 A  gG 20 A  Installation/ mounting/ dimensions  mounting position  any  fastening method  according to DIN EN 60715  height  97 mm  victh  45 mm  depth  97 mm  required spacing  • for grounded parts at 400 V  — downwards  30 mm	unit	33 A
design of the short-circuit trip  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 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  any  fastening method  any  fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  gG 25 A  gG 25 A  gG 20 A  Installation/ mounting/ dimensions  mounting position  fastening method  any  fastening method  according to DIN EN 60715  height  97 mm  width  45 mm  depth  required spacing  • for grounded parts at 400 V  — downwards  30 mm		
design of the fuse link     fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk        design of the fuse link for IT network for short-circuit protection of the main circuit     gG 25 A       e at 400 V     gG 25 A       e at 500 V     gG 25 A       fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk        mounting time in the main circuit     gG 25 A       gG 25 A     gG 20 A       Installation/ mounting/ dimensions     any       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715       height     97 mm       width     45 mm       depth     97 mm       required spacing     97 mm       of or grounded parts at 400 V     30 mm	·	
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 400 V         • at 500 V         • at 690 V      Installation/ mounting/ dimensions      mounting position     fastening method		magnetic
required  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  97 mm  width  depth  required spacing  • for grounded parts at 400 V  — downwards  30 mm	•	fues act 10 A ministrus significance of A /-bt
protection of the main circuit  at 400 V  at 500 V  at 500 V  at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  y7 mm  width  depth  required spacing  for grounded parts at 400 V  — downwards  at 400 V  gG 25 A  gG 25 A  gG 25 A  gG 25 A  any  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  97 mm  30 mm	required	
<ul> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> <li>gG 25 A</li> <li>at 690 V</li> <li>gG 20 A</li> </ul> Installation/ mounting/ dimensions mounting position <ul> <li>any</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> <li>height</li> <li>97 mm</li> </ul> width <ul> <li>45 mm</li> </ul> depth <ul> <li>97 mm</li> </ul> required spacing <ul> <li>for grounded parts at 400 V</li> <li>— downwards</li> <li>30 mm</li> </ul>		
<ul> <li>at 500 V</li> <li>at 690 V</li> <li>gG 25 A</li> <li>gG 20 A</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> <li>height</li> <li>97 mm</li> <li>width</li> <li>45 mm</li> <li>depth</li> <li>for grounded parts at 400 V</li> <li>downwards</li> <li>30 mm</li> </ul>	•	αG 25 A
◆ at 690 V  Installation/ mounting/ dimensions  mounting position fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height 97 mm  width 45 mm  depth 97 mm  required spacing     ◆ for grounded parts at 400 V — downwards  30 mm		
mounting position fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 97 mm width 45 mm depth required spacing ● for grounded parts at 400 V — downwards 30 mm		
mounting position     any       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715       height     97 mm       width     45 mm       depth     97 mm       required spacing       • for grounded parts at 400 V       — downwards     30 mm		
fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  height  97 mm  width  45 mm  depth  required spacing  • for grounded parts at 400 V  — downwards  30 mm		any
height         97 mm           width         45 mm           depth         97 mm           required spacing         • for grounded parts at 400 V           — downwards         30 mm		screw and snap-on mounting onto 35 mm standard mounting rail
width 45 mm depth 97 mm  required spacing  ● for grounded parts at 400 V — downwards 30 mm	height	
required spacing  • for grounded parts at 400 V  — downwards  30 mm		45 mm
◆ for grounded parts at 400 V     — downwards	depth	97 mm
— downwards 30 mm	required spacing	
	<ul> <li>for grounded parts at 400 V</li> </ul>	
— upwards 30 mm	— downwards	30 mm
	— upwards	30 mm

— at the side	9 mm
<ul> <li>for live parts at 400 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for grounded parts at 500 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for live parts at 500 V</li> </ul>	
— 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
for auxiliary and control circuit	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
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)
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)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
for auxiliary contacts with screw-type terminals	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
for main contacts	M3
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3
Safety related data	
T1 value for proof test interval or service life according to IEC 61508	10 y
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
display version for switching status	Handle
Certificates/ approvals	
General Product Approval	Declaration of Conformity Test Certificates
	,

Confirmation

<u>KC</u>







**Special Test Certific-**<u>ate</u>

**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other

Railway





Confirmation



Vibration and Shock

Confirmation

## **Further information**

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=3RV2011-1CA15-0BA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1CA15-0BA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1CA15-0BA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-1CA15-0BA0&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1CA15-0BA0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1CA15-0BA0&objecttype=14&gridview=view1

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