# **SIEMENS**

#### Data sheet

## 3RV2011-1BA15-0BA0



CIRCUIT-BREAKER SZ S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 1.4...2A, N-RELEASE 26A, SCREW CONNECTION, STANDARD SW. CAPACITY, W. TRANSVERSE AUX. SWITCH 1NO+1NC

Figure similar

product brand name	SIRIUS
Product designation	3RV2 circuit breaker

W	6
V	690
	25g / 11 ms
kV	6
	100 000
	100 000
	100 000
°C	-20 <b>+</b> 60
	S0
	IP20
	IP20
	Increased safety
	Q
	V kV

Main circuit:	
Number of poles for main current circuit	3

Adiretable research value assess of the assess	^	4.4. 0
Adjustable response value current of the current- dependent overload release	Α	1.4 2
Operating voltage		
Rated value	٧	690
at AC-3 Rated value maximum	V	690
Operating frequency Rated value	Hz	50 60
Operating current Rated value	Α	2
Operating current		
• at AC-3		
— at 400 V Rated value	Α	2
Operating power		
• at AC-3		
— at 230 V Rated value	W	370
— at 400 V Rated value	W	750
— at 500 V Rated value	W	750
— at 690 V Rated value	W	1 100
Operating frequency		1.100
• at AC-3 maximum	1/h	15
- at 70 o maximum	1,111	.0
Auxiliary circuit:		
Number of NC contacts		
for auxiliary contacts		1
Number of NO contacts		
for auxiliary contacts		1
Number of CO contacts		
for auxiliary contacts		0
Product expansion Auxiliary switch		Yes
Design of the auxiliary switch		transverse
Operating current of the auxiliary contacts at AC-15		
• at 24 V	Α	2
● at 120 V	Α	0.5
● at 125 V	Α	0.5
● at 230 V	Α	0.5
Operating current of the auxiliary contacts at DC-13		
● at 24 V	Α	1
● at 60 V	Α	0.15
Protective and monitoring functions:		
Trip class		CLASS 10
Design of the overload circuit breaker		thermal
Operational short-circuit current breaking capacity (Ics) with AC		
• at 240 V Rated value	kA	100
• at 400 V Rated value	kA	100

a 1500 V Rated value a 1500 V Rated value kA 10  Maximum short-circuit current breaking capacity (Icu) with AC at 240 V Rated value with AC at 400 V Rated value with AC at 500 V Rated value with AC at 500 V Rated value kA 100  Breaking capacity short-circuit current (Icn) with 1 current path for DC at 150 V Rated value with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value with 4 10 Cannot paths in series for DC at 450 V Rated value with 4 10 Cannot paths in series for DC at 450 V Rated value with 4 10 Cannot paths in series for DC at 450 V Rated value with 4		L. A	400
Maximum short-circuit current breaking capacity (icu)  • with AC at 240 V Rated value  • with AC at 400 V Rated value  • with AC at 500 V Rated value  • with 1 current path for DC at 150 V Rated value  • with 2 current paths in series for DC at 300 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • at 600 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 480/480 V Rated value  • for three-phase AC motor at 480/480 V Rated value  • for three-phase AC motor at 4575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rat	• at 500 V Rated value	kA	100
with AC at 240 V Rated value     with AC at 400 V Rated value     with AC at 500 V Rated value     with AC at 500 V Rated value     with AC at 690 V Rated value     with AC at 690 V Rated value     with AC at 690 V Rated value     with AC at 590 V Rated value     with AC at 590 V Rated value     with Current path for DC at 150 V Rated value     with 1 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     at 800 V Rated value     A 2     value A 2  yielded mechanical performance [hp]     of rot single-phase AC motor at 230 V Rated value     of or three-phase AC motor at 460/480 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or three-phase AC motor at 575/600 V Rated value     of or short-circuit protection     Design of the short-circuit protection     Design of the fuse link     of or short-circuit protection of the auxiliary switch required     of the fuse link     of or short-circuit protection of the auxiliary switch required     easing of the fuse link for IT network for short-circuit protection of the main circuit     at 400 V     at 500		kA -	10
with AC at 400 V Rated value     with AC at 500 V Rated value     with AC at 500 V Rated value     with AC at 600 V Rated value     with AC at 600 V Rated value     with 1 current path for DC at 150 V Rated value     with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     Response value current of the Instantaneous short-circuit release   **DUCSA ratings**  **Full-oad current (FLA) for three-phase AC motor     at 480 V Rated value     at 600 V Rated value     at 600 V Rated value     yielded mechanical performance [tp]     for single-phase AC motor at 230 V Rated value			
with AC at 500 V Rated value     with AC at 500 V Rated value     with AC at 690 V Rated value     with 1 current path for DC at 150 V Rated value     with 1 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current for the instantaneous short-circuit release    Note	with AC at 240 V Rated value	kA	
with AC at 690 V Rated value  Breaking capacity short-circuit current (Icn)  with 1 current path for DC at 150 V Rated value  with 2 current paths in series for DC at 300 V Rated value  with 3 current paths in series for DC at 450 V Rated value  with 3 current paths in series for DC at 450 V Rated value  with 3 current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  at 480 V Rated value  at 600 V Rated value  for three-phase AC motor at 230 V Rated value  for three-phase AC motor at 230 V Rated value  for three-phase AC motor at 460/480 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for fire-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated value  for three-phase AC motor at 575/600 V Rated	<ul> <li>with AC at 400 V Rated value</li> </ul>	kA	100
Breaking capacity short-circuit current (Icn)  • with 1 current path for DC at 150 V Rated value  • with 2 current paths in series for DC at 300 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  • with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value  • at 600 V Rated value  • at 600 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 230 V Rated value  • for three-phase AC motor at 575/600 V Rated value  •	<ul> <li>with AC at 500 V Rated value</li> </ul>	kA	100
with 1 current path for DC at 150 V Rated value     with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value     with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor     at 480 V Rated value     at 600 V Rated value     for single-phase AC motor at 230 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 460/480 V Rated value     for three-phase AC motor at 575/600 V Rated value     for 575/600 V Rated value     for 575/600 V Rated val	<ul> <li>with AC at 690 V Rated value</li> </ul>	kA	10
with 2 current paths in series for DC at 300 V Rated value     with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor     at 480 V Rated value     at 600 V Rated value     at 600 V Rated value     for single-phase AC motor at 230 V Rated value     for three-phase AC motor at 480/480 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for three-phase AC motor at 575/600 V Rated value     for other-circuit protection     Short-circuit:  Product function Short circuit trip  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  Mounting type	Breaking capacity short-circuit current (Icn)		
Rated value  • with 3 current paths in series for DC at 450 V Rated value  Response value current of the instantaneous short-circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value  • at 600 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for other-circuit:  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 600 V  Installation/ mounting/ dimensions:  mounting position  Mounting type	<ul> <li>with 1 current path for DC at 150 V Rated value</li> </ul>	kA	10
Response value current of the instantaneous short- circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value • at 600 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 230 V Rated metric hp • for short-circuit:  Product function Short circuit protection  Yes  Design of the fuse link • for short-circuit protection of the auxillary switch required • for short-circuit protection of the auxillary switch required • for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V  Installation/ mounting/ dimensions:  mounting position  Mounting type	·	kA	10
circuit release  UL/CSA ratings:  Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated metric php  • for three-phase AC motor at 460/480 V Rated metric php  • for three-phase AC motor at 460/480 V Rated metric php  • for short-circuit protection  • for short-circuit protection  • fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  • at 400 V gL/gG 25 A gL/gG 25 A gL/gG 25 A gL/gG 25 A gL/gG 20 A  Installation/ mounting/ dimensions:  mounting position  Mounting type		kA	10
Full-load current (FLA) for three-phase AC motor  • at 480 V Rated value  • at 600 V Rated value  • at 600 V Rated value  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  C300 / R300  Short-circuit:  Product function Short circuit protection  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  • at 690 V  Installation/ mounting/ dimensions:  mounting position  Mounting type  A 2  2  2  2  2  2  2  2  3  4  2  2  2  2  4  2  2  2  4  2  2  2	-	A	26
at 480 V Rated value     at 600 V Rated value     yielded mechanical performance [hp]     of ro single-phase AC motor at 230 V Rated value     of rothree-phase AC motor at 460/480 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated value     of rothree-phase AC motor at 575/600 V Rated metric hp     rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     metric hp     metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     metric hp     metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 575/600 V Rated metric hp     value     of rothree-phase AC motor at 460/480 V Rated metric hp     value h			
at 600 V Rated value  yielded mechanical performance [hp]  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  Short-circuit:  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  Mounting type  A 2  O.125  Metric  Do.125  Metric  Do.126  Metric  Do.126  Do.126  Do.126  Metric  Do.126  Do.126  Do.126	Full-load current (FLA) for three-phase AC motor		
yielded mechanical performance [hp]  • for single-phase AC motor at 230 V Rated value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  Short-circuit:  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  Mounting type   ### Mounting type  ### O.125	• at 480 V Rated value	Α	2
• for single-phase AC motor at 230 V Rated value     • for three-phase AC motor at 460/480 V Rated value     • for three-phase AC motor at 575/600 V Rated value     • for three-phase AC motor at 575/600 V Rated value     • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  C300 / R300  Short-circuit:  Product function Short circuit protection  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  Mounting type  metric hp  0.75  metric hp  0.75  The three C300 / R300  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 25 A gL/gG 25 A  gL/gG 25 A  any  Mounting type	● at 600 V Rated value	Α	2
value  • for three-phase AC motor at 460/480 V Rated value  • for three-phase AC motor at 575/600 V Rated value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  C300 / R300  Short-circuit:  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 500 V  • at 690 V  Installation/ mounting/ dimensions:  mounting position  Mounting type    Mounting type   Mounting type   Mounting type	yielded mechanical performance [hp]		
value  • for three-phase AC motor at 575/600 V Rated value  Contact rating of the auxiliary contacts acc. to UL  Contact rating of the score of the auxiliary contacts acc. to UL  Contact rating of the score of the auxiliary contacts acc. to UL  Contact rating of the score of the auxiliary contacts acc. to UL  Contact rating of the score of the auxiliary contacts acc. to UL  Contact rating of the score of the auxiliary contacts acc. to UL  Contact ratin			0.125
value hp  Contact rating of the auxiliary contacts acc. to UL  Short-circuit:  Product function Short circuit protection  Design of the short-circuit trip magnetic  Pesign 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  Mounting type  C300 / R300  Yes  magnetic  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)			0.75
Contact rating of the auxiliary contacts acc. to UL  C300 / R300  Short-circuit:  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  Mounting type  C300 / R300  Yes  magnetic  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	•		1
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  Yes  magnetic  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Contact rating of the auxiliary contacts acc. to UL		C300 / R300
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  Yes  magnetic  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Short-circuit:		
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  Mounting type  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)  Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)			Yes
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>Design of the fuse link for IT network for short-circuit protection of the main circuit</li> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> <li>Installation/ mounting/ dimensions:</li> <li>mounting position</li> <li>Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk &lt; 400 A)</li> <li>gL/gG 25 A</li> <li>gL/gG 25 A</li> <li>gL/gG 25 A</li> <li>gL/gG 20 A</li> </ul>	Design of the short-circuit trip		magnetic
required (short-circuit current lk < 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  Installation/ mounting/ dimensions:  mounting position  Mounting type  (short-circuit current lk < 400 A)  gL/gG 25 A  gL/gG 25 A  gL/gG 20 A	Design of the fuse link		
protection of the main circuit  • at 400 V  • at 500 V  • at 690 V  Installation/ mounting/ dimensions:  mounting position  Mounting type  gL/gG 25 A  gL/gG 25 A  gL/gG 20 A			
<ul> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> <li>gL/gG 25 A</li> <li>gL/gG 20 A</li> </ul> Installation/ mounting/ dimensions: <ul> <li>mounting position</li> <li>any</li> <li>Mounting type</li> <li>screw and snap-on mounting onto 35 mm standard</li> </ul>	Design of the fuse link for IT network for short-circuit		
<ul> <li>at 500 V</li> <li>at 690 V</li> <li>gL/gG 25 A</li> <li>gL/gG 20 A</li> <li>Installation/ mounting/ dimensions:</li> <li>mounting position</li> <li>any</li> <li>Mounting type</li> <li>screw and snap-on mounting onto 35 mm standard</li> </ul>	protection of the main circuit		
at 690 V  Installation/ mounting/ dimensions:  mounting position  any  Mounting type  screw and snap-on mounting onto 35 mm standard	● at 400 V		gL/gG 25 A
Installation/ mounting/ dimensions:  mounting position  any  Mounting type  screw and snap-on mounting onto 35 mm standard	● at 500 V		gL/gG 25 A
mounting position     any       Mounting type     screw and snap-on mounting onto 35 mm standard	● at 690 V		gL/gG 20 A
Mounting type screw and snap-on mounting onto 35 mm standard			
	mounting type		

Height	mm	97
Width	mm	45
Depth	mm	96
Required spacing		
<ul><li>with side-by-side mounting</li></ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	0
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— at the side	mm	30
— downwards	mm	50
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	30

Connections/ Terminals:		
Type of electrical connection		
for main current circuit		screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function		
<ul> <li>removable terminal for auxiliary and control circuit</li> </ul>		No
Type of connectable conductor cross-section		
• for main contacts		
<ul> <li>single or multi-stranded</li> </ul>		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>for AWG conductors for main contacts</li> </ul>		2x (18 14), 2x 12
<ul> <li>for auxiliary contacts</li> </ul>		
<ul> <li>single or multi-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)
<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>		2x (20 16), 2x (18 14)
Tightening torque		
<ul> <li>for main contacts with screw-type terminals</li> </ul>	N·m	0.8 1.2

Design of screwdriver shaft	Diameter 5 to 6 mm
Design of the thread of the connection screw	
• for main contacts	M3
<ul> <li>of the auxiliary and control contacts</li> </ul>	МЗ

Safety related data:		
B10 value with high demand rate acc. to SN 31920		50 000
Proportion of dangerous failures		
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	%	40
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	%	40
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	50
T1 value for proof test interval or service life acc. to IEC 61508	У	10
Protection against electrical shock		finger-safe

Mechanical data:		
Size of the circuit-breaker	S00	

Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
<ul><li>during operation</li></ul>	°C	-20 +60
during storage	°C	-50 <b>+</b> 80
during transport	°C	-50 <b>+</b> 80
Relative humidity during operation	%	10 95

Display:	
Display version	
• for switching status	Handle

### Certificates/ approvals:

General Product	other
Approval	



**Environmental Confirmations** 



Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV20111BA150BA0">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV20111BA150BA0</a>

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=3RV20111BA150BA0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV20111BA150BA0&lang=en</a>



