3RA2336-8XB30-1AG2

## **Data sheet**



Reversing contactor assembly AC-3,22 kW/400 V,AC110V,50/60Hz 3-pole, Size S2 screw terminal electrical and mechanical Interlock 2 NO integrated

product designation product type designation anufacturer's article number  • 1 of the supplied contactor • 2 of the supplied contactor • 2 of the supplied RS assembly kit  Sar238-1AG20 • 2 of the supplied RS assembly kit  Sar238-1AG20 • 2 of the supplied RS assembly kit  Sar238-1AG20 • 2 of the supplied RS assembly kit  Sar238-1AG20 • 3 of the supplied RS assembly kit  Sar238-1AG20  Sar238-1	product brand name	SIRIUS
manufacturer's article number  • 1 of the supplied contactor • 2 of the supplied RS assembly kit 3RT2036-1AG20 • of the supplied RS assembly kit 3RT2036-1AG20 • of the supplied RS assembly kit 3RT2036-1AG20 • of the supplied RS assembly kit 3RT2033-2AA1    Size of contactor	product designation	Reversing contactor assembly
■ 1 of the supplied contactor     ■ 2 of the supplied RS assembly kit     ■ 3RT2036-1AG20     ■ of the supplied RS assembly kit     3RA2933-2AA1    General technical data	product type designation	3RA23
Of the supplied contactor     of the supplied RS assembly kit     3RA2933-2AA1    Size of contactor	manufacturer's article number	
of the supplied RS assembly kit     Secretal technical data  size of contactor     product extension auxiliary switch     shock resistance at rectangular impulse     • at AC	<ul> <li>1 of the supplied contactor</li> </ul>	3RT2036-1AG20
Section   Sect	<ul> <li>2 of the supplied contactor</li> </ul>	3RT2036-1AG20
Size of contactor   S2	<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2933-2AA1
product extension auxiliary switch shock resistance at rectangular impulse • at AC  shock resistance with sine pulse • at AC  mechanical service life (switching cycles) • of contactor typical • of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage  during storage  Main circuit number of NO contacts for main contacts operating voltage at AC-3 rated value maximum  at 400 V rated value • at 500 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value • at 600 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value • 30 kW	General technical data	
shock resistance at rectangular impulse	size of contactor	S2
■ at AC     shock resistance with sine pulse     ■ at AC	product extension auxiliary switch	Yes
shock resistance with sine pulse	shock resistance at rectangular impulse	
• at AC  mechanical service life (switching cycles)  • of contactor typical  • of the contactor with added auxiliary switch block typical  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 storage  -25 +60 °C  -55 +80 °C  Main circuit  number of NO contacts for main current circuit  number of NO contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 400 V rated value • at 600 V rated value	• at AC	11.8g / 5 ms, 11.6g / 10 ms
mechanical service life (switching cycles)  • of contactor typical  • of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  • during storage  -55 +80 °C  Main circuit  number of NO contacts for main current circuit  number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at 690 V rated value  • at 600 V rated value  • at 400 V rated value  • at 600 V rated value  • at 400 V rated value  • at 600 V rated value	shock resistance with sine pulse	
of contactor typical     of the contactor with added auxiliary switch block typical  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     o during storage  -25 +60 °C  at unimber of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  at 400 V rated value     at 500 V rated value  at 400 V rated value	• at AC	18.5g / 5 ms, 11.6g / 10 ms
of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  e during operation current circuit  number of poles for main current circuit  number of NO contacts for main contacts number of NC contacts for main contacts  operating voltage at AC-3 rated value e at 500 V rated value e at 690 V rated value e at 690 V rated value e at 600 V rated value e at 60	mechanical service life (switching cycles)	
reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2014  Ambient conditions installation altitude at height above sea level maximum 2 000 m  ambient temperature  • during operation -25 +60 °C • during storage -55 +80 °C  Main circuit  number of poles for main current circuit 3 number of NO contacts for main contacts 3 number of NC contacts for main contacts 0 operating voltage at AC-3 rated value maximum 690 V operational current at AC-3 • at 400 V rated value 51 A • at 690 V rated value 51 A • at 690 V rated value 24 A operating power • at AC-3 — at 400 V rated value 22 kW — at 500 V rated value 30 kW	<ul> <li>of contactor typical</li> </ul>	10 000 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  -25 +60 °C -55 +80 °C  Main circuit  number of poles for main current circuit  number of NC contacts for main contacts number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  • at 400 V rated value • at 690 V rated value  • at AC-3 — at 400 V rated value  • at AC-3 — at 400 V rated value  • at AC-3 — at 400 V rated value  • at SO0 V rated value  • at AC-3 — at 400 V rated value  • at AC-3 — at 400 V rated value  • at AC-3 — at 400 V rated value  • at SO0 V rated value  • at AC-3 — at 400 V rated value  • at SO0 V rated value  • at AC-3 — at 400 V rated value  • at SO0 V rated value  • at SO0 V rated value  • at AC-3 — at 400 V rated value  • at SO0 V rated value  • at AC-3 — at 400 V rated value  • at SO0 V rated value	•	10 000 000
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  Addin circuit  number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  30 kW	reference code acc. to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage  Addin circuit  number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  • at SOO V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  • at SOO V rated value  • at AC-3  — at 400 V rated value  30 kW	Substance Prohibitance (Date)	01.10.2014
ambient temperature  • during operation • during storage  -25 +60 °C  • during storage  -55 +80 °C   Main circuit  number of poles for main current circuit 3 number of NO contacts for main contacts 0 operating voltage at AC-3 rated value maximum 690 V  operational current at AC-3 • at 400 V rated value 51 A • at 500 V rated value 51 A • at 690 V rated value 24 A  operating power • at AC-3 — at 400 V rated value 22 kW — at 500 V rated value 30 kW	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>-55 +80 °C</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operational current at AC-3</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>24 A</li> </ul> Operating power <ul> <li>at AC-3</li> <li>at 400 V rated value</li> <li>22 kW</li> <li>at 500 V rated value</li> <li>30 kW</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li> <li>-55 +80 °C</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>number of NO contacts for main contacts</li> <li>number of NC contacts for main contacts</li> <li>operating voltage at AC-3 rated value maximum</li> <li>operational current at AC-3 <ul> <li>at 400 V rated value</li> <li>at 51 A</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>operating power <ul> <li>at AC-3</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>22 kW</li> <li>at 500 V rated value</li> <li>30 kW</li> </ul> </li> </ul>	ambient temperature	
Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  24 A  operating power  • at AC-3  — at 400 V rated value  22 kW  — at 500 V rated value  30 kW	<ul><li>during operation</li></ul>	-25 +60 °C
number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operating power  • at AC-3  — at 400 V rated value  22 kW  — at 500 V rated value  30 kW	<ul><li>during storage</li></ul>	-55 +80 °C
number of NO contacts for main contacts  number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at AC-3  — at 400 V rated value  22 kW  — at 500 V rated value  30 kW	Main circuit	
number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  24 A  operating power  • at AC-3  — at 400 V rated value  22 kW — at 500 V rated value  30 kW	number of poles for main current circuit	3
operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  24 A  operating power  • at AC-3  — at 400 V rated value  22 kW — at 500 V rated value  30 kW	number of NO contacts for main contacts	3
operational current at AC-3	number of NC contacts for main contacts	0
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at AC-3         <ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>30 kW</li> </ul> </li> </ul>	operating voltage at AC-3 rated value maximum	690 V
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>24 A</li> <li>operating power</li> <li>at AC-3         <ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>30 kW</li> </ul> </li> </ul>	operational current at AC-3	
● at 690 V rated value  operating power  ● at AC-3  — at 400 V rated value  — at 500 V rated value  30 kW	<ul> <li>at 400 V rated value</li> </ul>	51 A
operating power   ● at AC-3  — at 400 V rated value 22 kW  — at 500 V rated value 30 kW	<ul> <li>at 500 V rated value</li> </ul>	51 A
● at AC-3  — at 400 V rated value 22 kW — at 500 V rated value 30 kW	at 690 V rated value	24 A
<ul> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> <li>30 kW</li> </ul>	operating power	
— at 500 V rated value 30 kW	• at AC-3	
	— at 400 V rated value	00.134/
— at 690 V rated value 22 kW	— at 400 v rated value	ZZ KVV

## AC-4 at 400 V rated value porating frequency at AC-3 maximum  Control circuit/ Control  Stype of voltage of the control supply voltage ent of 10 V rated value at 00 V rated value at 0		
Control supply voltage 1 at AC  • 15 O Hz, racid value  • 16 O Hz  • 15 O Hz  • 16 O Hz  • 17 Z V-A  • 16 D Hz  • 16 O Hz  • 17 Z V-A  • 16 D Hz  • 16 O Hz  • 17 Z V-A  • 16 D Hz  • 17 Z V-A  • 16 D Hz  • 16 O Hz  • 17 Z V-A  • 16 D Hz  • 17 Z V-A  • 16 D Hz  • 16 O Hz  • 17 Z V-A  • 16 D Hz  • 17 Z V-A  • 16 D Hz  • 17 Z V-A  • 16 D Hz  • 16 O Hz  • 17 Z V-A  • 16 D Hz  • 16 D Hz  • 17 Z V-A  • 16 D Hz	at AC-4 at 400 V rated value	22 kW
sype of voltage of the control supply voltage control supply voltage 1 at AC	operating frequency at AC-3 maximum	800 1/h
control supply voltage 1 at AC  • at 60 Hz rated value  • at 60 Hz	Control circuit/ Control	
control supply voltage 1 at AC  • at 60 Hz rated value  • at 60 Hz	type of voltage of the control supply voltage	AC
* at 60 Hz rated value     * at 60 Hz rated value     operating range factor control supply voltage rated     value of magnet coil at AC     * at 60 Hz		
operating range factor control supply voltage rated value of magnet coil at AC  at 60 Hz  at 60 Hz  apparent pick-up power of magnet coil at AC  at 60 Hz  apparent holding power of magnet coil at AC  at 60 Hz  be disclosed at 60 Hz  at 60 Hz  at 60 Hz  at 60 Hz  be disclosed at 60 Hz  at 60 Hz  at 60 Hz  at 60 Hz  be disclosed at 60 Hz  be disclosed at 60 Hz  be disclosed at 60 Hz  at 60		110 V
value of magnet coil at AC	at 60 Hz rated value	110 V
value of magnet coil at AC	operating range factor control supply voltage rated	
apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz bar at 60 Hz bar at		
apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  188 V-A  Inductive power factor with closing power of the coil apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  at	● at 50 Hz	0.8 1.1
at 50 Hz inductive power factor with closing power of the coil at 50 Hz at 50 Hz bat 50 Hz cat 50 Hz bat 50 Hz bat 50 Hz cat 50 Hz cat 50 Hz bat 50 Hz bat 50 Hz cat 50 Hz bat	● at 60 Hz	0.85 1.1
at 50 Hz inductive power factor with closing power of the coil at 50 Hz at 50 Hz bat 50 Hz cat 50 Hz bat 50 Hz bat 50 Hz cat 50 Hz cat 50 Hz bat 50 Hz bat 50 Hz cat 50 Hz bat	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  paparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  17.2 V-A  at 60 Hz  16.5 V-A  Inductive power factor with the holding power of the coil  at 60 Hz  at 60 Hz  at 60 Hz  0.36  at 60 Hz  0.39  Auxiliary circuit  number of NC contacts for auxiliary contacts  per direction of rotation  number of NC contacts for auxiliary contacts  per direction of rotation  instantaneous contact  contact reliability of auxiliary contacts  per direction of rotation  1 instantaneous contact  2 contact reliability of auxiliary contacts  per direction of rotation  1 instantaneous contact  2 terror per 100 million operating cycles  ULCSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 480 V rated value  at 480 V rated value  at 480480 V rat		210 V·A
at 50 Hz at 60 Hz apparent holding power of magnet coll at AC at 50 Hz at 60 Hz bat 60 Hz at 60 Hz at 60 Hz at 60 Hz bat 60 Hz at 60 Hz at 60 Hz bat 60 Hz	● at 60 Hz	188 V·A
at 50 Hz at 60 Hz apparent holding power of magnet coll at AC at 50 Hz at 60 Hz bat 60 Hz at 60 Hz at 60 Hz at 60 Hz bat 60 Hz at 60 Hz at 60 Hz bat 60 Hz	inductive power factor with closing power of the coil	
a ta 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 10.36 Auxiliary circuit number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts b per direction of rotation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.69
apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  10.5 V-A  16.5 V-A  1		
• at 50 Hz at 60 Hz 16.5 V.A 1		
at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.39  Auxiliary circuit number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts a per direction of rotation instantaneous contact contact reliability of auxiliary contacts  at 480 V rated value at 480 V rated value at 480 V rated value bielded mechanical performance (hp) for 3-phase AC motor at 480 V rated value at 480 V rated value bielded mechanical performance (hp) for 3-phase AC motor at 480 V rated value bielded mechanical performance (hp) for 3-phase AC motor at 480 V rated value bielded mechanical performance (hp) for 3-phase AC motor at 480 V rated value bielded mechanical performance (hp) for 3-phase AC motor bielded mechanical performance (hp) for 3-phase AC motor at 480 V rated value bielded mechanical performance (hp) for 3-phase AC motor bielded mechanical performance (hp) for 3-phase AC mot		17 2 V·A
inductive power factor with the holding power of the coll  at \$50 Hz at \$60 Hz 3.39  Auxiliary circuit  number of NC contacts for auxiliary contacts • per direction of rotation number of NO contacts for auxiliary contacts • per direction of rotation instantaneous contact contact reliability of auxiliary contacts  • per direction of rotation • instantaneous contact contact reliability of auxiliary contacts  • 1 contact reliability of auxiliary contacts  * 1 error per 100 million operating cycles  **UL/OSA ratings**  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 55/860 V rated value • at 57/860 V rated value • at 60 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection		
coll		
auxiliary circuit  number of NC contacts for auxiliary contacts  aper direction of rotation  number of NO contacts for auxiliary contacts  aper direction of rotation  per direction of rotation  approximate of NO contacts for auxiliary contacts  aper direction of rotation  per direction of rotation  approximate of NO contacts for auxiliary contacts  approximate of NO contacts for auxiliary contacts  approximate of NO contact reliability of approximate of NO contact reliability of a reliability of norman contact of NO contact reliability of norman contact reliabi		
auxiliary circuit  number of NC contacts for auxiliary contacts  aper direction of rotation  number of NO contacts for auxiliary contacts  aper direction of rotation  per direction of rotation  approximate of NO contacts for auxiliary contacts  aper direction of rotation  per direction of rotation  approximate of NO contacts for auxiliary contacts  approximate of NO contacts for auxiliary contacts  approximate of NO contact reliability of approximate of NO contact reliability of a reliability of norman contact of NO contact reliability of norman contact reliabi		0.36
Auxiliary circuit number of NC contacts for auxiliary contacts  • per direction of rotation  number of NO contacts for auxiliary contacts  • per direction of rotation  • instantaneous contact  • per direction of rotation  • instantaneous contact  2 contact reliability of auxiliary contacts  1 error per 100 million operating cycles  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  • at 220/230 V rated value  • at 450/480 V rated value  • at 4575/600 V rated value  • at 4575/600 V rated value  • at 575/600 V rated value  • or a short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required social soci		
number of NC contacts for auxiliary contacts		0.00
oper direction of rotation     number of NO contacts for auxiliary contacts     oper direction of rotation     oinstantaneous contact     contact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor     oat 480 V rated value     oat 480 V rated value     oat 220/230 V rated value     oat 420/230 V rated value     oat 450/480 V rated value     oat 4575/600 V rated value     oat 575/600 V rated value     oat 575/600 V rated value     oat 575/600 V rated value     oat 480 V rated value     oat 480 V rated value     oat 480/480 V rated value     oat 575/600 V rated value     oat 480/480 V rated value     oat 480/480 V rated value     oat 575/600 V rated value     oat 575/60		
number of NO contacts for auxiliary contacts  • per direction of rotation  • instantaneous contact  2 contact reliability of auxiliary contacts  **Variety of the fuse link  • for short-circuit protection of the auxiliary switch required  • ior short-circuit protection of the auxiliary switch  **To stantant of the fuse link  • for short-circuit protection of the auxiliary switch  **To stantant of the fuse link  • for short-circuit protection of the auxiliary switch  **To short-circuit protection of the	-	0
per direction of rotation instantaneous contact contact reliability of auxiliary contacts  UL/GSA ratings  full-load current (FLA) for 3-phase AC motor at 800 V rated value at 600 V rated value 52 A yielded mechanical performance [hp] for 3-phase AC motor at 480 V rated value 40 hp at 460/480 V rated value 50 hp contact rating of auxiliary contacts according to UL Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting rall height width 120 mm depth required spacing with side-by-side mounting - forwards - backwards - upwards - upwards - upwards - unimal for auxiliary contacts - termination of the mounting termination and the serve wards and packwards - on mm - on m		0
• instantaneous contact  contact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 675/600 V rated value • ontact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180* rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rall height  #/-180* rotation possible on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting and possible on vertical mounting surfa	-	4
contact reliability of auxiliary contacts  VL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 220/230 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 450/480 V rated value • at 575/600 V rated value • or short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 2 required • or short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180* rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5* on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail height  depth 130 mm  required spacing • with side-by-side mounting — backwards — upwards  10 mm  10 mm	·	
### Company of the fuse link		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] for 3-phase AC motor  • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • bo hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit  — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • fuse gG: 10 A  **Installation/ mounting/ dimensions**  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail  height  141 mm  411 mm  420 mm  depth  required spacing  • with side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  - forwards  0 mm  - powards  10 mm  10 mm		< 1 error per 100 million operating cycles
at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 60/480 V rated value at 575/600 V rated value at 575/600 V rated value both of rate fusion of the fuse link for short-circuit protection  design of the fuse link for short-circuit protection of the main circuit  - with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required  for short-circuit protection of		
• at 600 V rated value 52 A  yielded mechanical performance [hp] for 3-phase AC motor  • at 220/230 V rated value 40 hp • at 460/480 V rated value 50 hp • at 575/600 V rated value 50 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9 GS NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A 9 GS NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A 6 fuse gG: 10 A  installation/ mounting/ dimensions  mounting position 4-/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail height 141 mm  width 120 mm  depth 130 mm  required spacing • with side-by-side mounting  • with side-by-side mounting — forwards — backwards — upwards  10 mm  10 mm  10 mm		
yielded mechanical performance [hp] for 3-phase AC motor  • at 220/230 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail  height  #41 mm  width  depth  130 mm  required spacing  • with side-by-side mounting — forwards — backwards — backwards — upwards  10 mm  10 mm	<ul> <li>at 480 V rated value</li> </ul>	
motor  at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value both store in the first protection  design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required  ### Installation/ mounting/ dimensions  ### Installation/ mounting/ dimensions  ### Installation/ mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  ### Installation/ mounting surface  ### Installation/ mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  ### Installation/ mounting surface  ### Installation/ mounting surface  ### Installation/ mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  #### Installation/ mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  #### Installation/ mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward.  ###################################		52 A
at 460/480 V rated value at 575/600 V rated value 50 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit  - with type of coordination 1 required - with type of assignment 2 required for for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail  height  #/41 mm  width  depth  120 mm  depth  e with side-by-side mounting  forwards - backwards - upwards  #/0 hp  50 hp  A600 / Q600  A600  A600 / Q600		
at 575/600 V rated value     contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link     of reshort-circuit protection of the main circuit     — with type of coordination 1 required     — with type of assignment 2 required     of reshort-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method  height  width  depth  required spacing  with side-by-side mounting  - forwards - backwards - upwards  10 mm  10 mm	• at 220/230 V rated value	15 hp
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail  height  width  120 mm  depth  required spacing  • with side-by-side mounting  — forwards — backwards — upwards  10 mm  0 mm  10 mm  10 mm	<ul><li>at 460/480 V rated value</li></ul>	40 hp
Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A  — with type of assignment 2 required gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position	• at 575/600 V rated value	50 hp
design of the fuse link       • for short-circuit protection of the main circuit         — with type of coordination 1 required       gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A         — with type of assignment 2 required       gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A         • for short-circuit protection of the auxiliary switch required       fuse gG: 10 A         Installation/ mounting/ dimensions       +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       141 mm         width       120 mm         depth       130 mm         required spacing       • with side-by-side mounting         - forwards       10 mm         - backwards       0 mm         - upwards       10 mm	contact rating of auxiliary contacts according to UL	A600 / Q600
design of the fuse link       • for short-circuit protection of the main circuit         — with type of coordination 1 required       gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A         — with type of assignment 2 required       gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A         • for short-circuit protection of the auxiliary switch required       fuse gG: 10 A         Installation/ mounting/ dimensions       +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       141 mm         width       120 mm         depth       130 mm         required spacing       • with side-by-side mounting         - forwards       10 mm         - backwards       0 mm         - upwards       10 mm	Short-circuit protection	
• for short-circuit protection of the main circuit  — with type of coordination 1 required — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail  ### width  ### depth  required spacing  • with side-by-side mounting — forwards — backwards — upwards  #### 10 mm  #### 10 mm  ### 10 mm  ### 10 mm  #### 10 mm		
- with type of coordination 1 required - with type of assignment 2 required - of requ	_	
— with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method  height  width  120 mm  depth  required spacing  • with side-by-side mounting  — forwards  — backwards  — upwards  10 mm  10 mm		aG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A
for short-circuit protection of the auxiliary switch required    Installation/ mounting/ dimensions		
Installation/ mounting/ dimensions  mounting position		
Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail  height  141 mm  width  120 mm  depth  130 mm  required spacing  • with side-by-side mounting  — forwards  — backwards  — backwards  — upwards  10 mm		1.000 go. 1071
mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail  height  141 mm  width  120 mm  depth  required spacing  • with side-by-side mounting  — forwards  — backwards  — upwards  10 mm  10 mm		
fastening method       screw and snap-on mounting onto 35 mm standard mounting rail         height       141 mm         width       120 mm         depth       130 mm         required spacing       • with side-by-side mounting         — forwards       10 mm         — backwards       0 mm         — upwards       10 mm	-	
height     141 mm       width     120 mm       depth     130 mm       required spacing       ● with side-by-side mounting     - forwards       — forwards     10 mm       — backwards     0 mm       — upwards     10 mm	fastening method	
width 120 mm  depth 130 mm  required spacing  • with side-by-side mounting  — forwards 10 mm  — backwards 0 mm  — upwards 10 mm		
depth required spacing		
required spacing  • with side-by-side mounting  — forwards — backwards — upwards  10 mm  10 mm		
<ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>10 mm</li> <li>0 mm</li> <li>10 mm</li> </ul>	•	150 11/11
<ul> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>10 mm</li> <li>0 mm</li> <li>10 mm</li> </ul>		
<ul><li>backwards</li><li>upwards</li><li>0 mm</li><li>10 mm</li></ul>		40
— upwards 10 mm		
— downwards 10 mm	•	
	— downwards	10 mm

— at the side	10 mm
for grounded parts	10 111111
— forwards	10 mm
— backwards	0 mm
	10 mm
— upwards — at the side	10 mm
— at the side — downwards	10 mm
	IO IIIIII
• for live parts	40
— forwards	10 mm
— backwards	0 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
for main contacts	
— solid	2x (1 35 mm²), 1x (1 50 mm²)
<ul><li>— solid or stranded</li></ul>	2x (1 35 mm²), 1x (1 50 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
at AWG cables for main contacts	2x (18 2), 1x (18 1)
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)
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
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>	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
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
Communication/ Protocol	

proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	40 %
with high demand rate acc. to SN 31920	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
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
Communication/ Protocol	

Communication/ Protocol	
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No

## Certificates/ approvals

**General Product Approval Declaration of Conformity Test Certificates** 









UK Declaration of Conformity

Type Test Certificates/Test Report

## Marine / Shipping















Confirmation

Transport Information

## 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=3RA2336-8XB30-1AG2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2336-8XB30-1AG2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2336-8XB30-1AG2

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

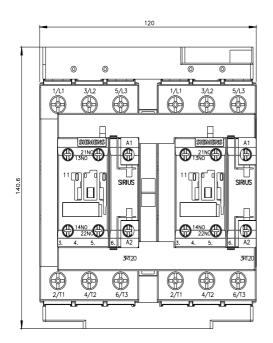
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2336-8XB30-1AG2&lang=en

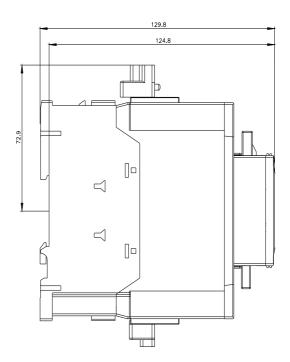
Characteristic: Tripping characteristics, I2t, Let-through current

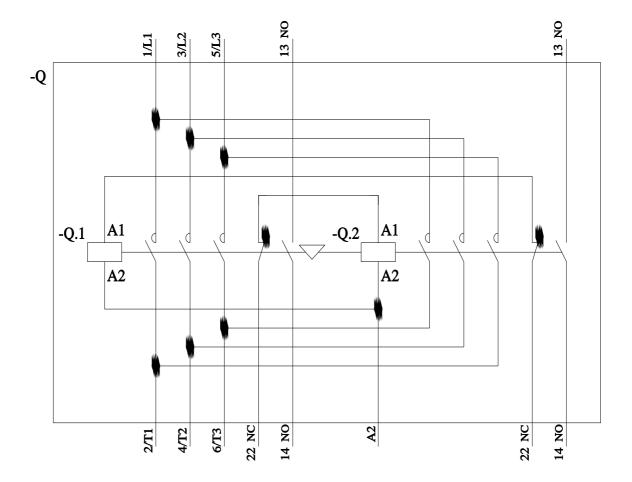
https://support.industry.siemens.com/cs/ww/en/ps/3RA2336-8XB30-1AG2/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2336-8XB30-1AG2&objecttype=14&gridview=view1







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