## **SIEMENS**

## **Data sheet**

3RA2336-8XB30-1NB3



Reversing contactor assembly AC-3, 22 kW/400 V, AC/DC 20-33V 3-pole, Size S2 screw terminal electrical and mechanical Interlock 2 NO integrated

product designation Reversing contactor assembly product type designation 3RA23  manufacturer's article number  • 1 of the supplied contactor 3RT2036-1NB30 • of the supplied contactor 3RT2036-1NB30 • of the supplied RS assembly kit 3RA2933-2AA1  Ceneral technical data  size of contactor S2 product extension auxiliary switch Yes  shock resistance at rectangular impulse • at AC 7,7g / 5 ms, 4.5g / 10 ms  • at DC 7,7g / 5 ms, 4.5g / 10 ms  shock resistance with sine pulse • at AC 12g / 5 ms, 7g / 10 ms  shock resistance with sine pulse • at AC 12g / 5 ms, 7g / 10 ms  shock resistance with sine pulse • at AC 12g / 5 ms, 7g / 10 ms  mechanical service life (switching cycles) • of contactor typical 10 000 000 • of the contactor with added auxiliary switch block typical reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2014 00.00.00  Ambient conditions  installation altitude at height above sea level maximum 2.000 m • ambient temperature during operation -25 +60 °C • ambient temperature during storage -55 +80 °C  Main circuit number of NO contacts for main current circuit 3 number of NO contacts for main contacts 0 • operating voltage at AC-3 rated value maximum operation accurrent at AC-3 • at 400 V rated value - at 690	product brand name	SIRIUS
manufacturer's article number  • 1 of the supplied contactor • 2 of the supplied contactor • 3RT2036-1NB30 • of the supplied RS assembly kit 3RA2933-2AA1  General technical data size of contactor  product extension auxiliary switch shock resistance at rectangular impulse • at AC • at DC  stack resistance with sine pulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  shock resistance with sine pulse • at AC • at DC  shock resistance with sine pulse  shock resistance with sine pulse • at DC  shock resistance with sine pulse  shock resistance with sine pu	product designation	Reversing contactor assembly
1 of the supplied contactor 2 of the supplied RS assembly kit 3RA2933-2AA1  Size of contactor 3RA293-3AA1  Size of contactor 3RA293-3AA1  Size of contactor 3RA29410 Missing particular 3RA29410 Missing	product type designation	3RA23
2 of the supplied contactor     of the supplied RS assembly kit     3RA2933-2AA1  General technical data size of contactor     product extension auxiliary switch     shock resistance at rectangular impulse     at AC	manufacturer's article number	
of the supplied RS assembly kit  General technical data  size of contactor  product extension auxiliary switch shock resistance at rectangular impulse  at AC  at DC  r.7g / 5 ms, 4.5g / 10 ms  at AC  at BC  mechanical service life (switching cycles)  of contactor typical  of the contactor with added auxiliary switch block lypical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Anbient conditions  installation altitude at height above sea level maximum  ambient temperature during operation  ambient temperature during operation  ambient emperature during storage  Main circuit  number of NO contacts for main contacts number of NC contacts for main contacts number of NC contacts for main contacts  operating voltage at AC-3 rated value maximum  at AC-3  at 400 V rated value  2 kW	<ul> <li>1 of the supplied contactor</li> </ul>	3RT2036-1NB30
size of contactor  size of contactor  product extension auxiliary switch  shock resistance at rectangular impulse  at AC  at DC  r.7g / 5 ms, 4.5g / 10 ms  shock resistance with sine pulse  at AC  at DC  r.7g / 5 ms, 4.5g / 10 ms  shock resistance with sine pulse  at AC  at DC  tig / 5 ms, 7g / 10 ms  shock resistance with sine pulse  at AC  at DC  rechanical service life (switching cycles)  of contactor typical  of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Quul Count of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Quul Count of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Quul Count of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Quul Count of the contact o	<ul> <li>2 of the supplied contactor</li> </ul>	3RT2036-1NB30
size of contactor product extension auxiliary switch shock resistance at rectangular impulse  • at AC • at DC 7.7g / 5 ms, 4.5g / 10 ms  shock resistance with sine pulse • at AC • at DC 12g / 5 ms, 7g / 10 ms  • at DC 12g / 5 ms, 7g / 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 • a mbient temperature during operation • ambient temperature during storage -55 +80 °C  Main circuit number of NO contacts for main contacts number of NC contacts for main contacts • operating voltage at AC-3 rated value maximum operating opewer • at AC-3 • at 400 V rated value • at AC-3 — at 400 V rated value 22 kW	<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2933-2AA1
product extension auxiliary switch  shock resistance at rectangular impulse  at AC  at DC  7.7g / 5 ms, 4.5g / 10 ms  shock resistance with sine pulse  at AC  at DC  12g / 5 ms, 7g / 10 ms  at DC  12g / 5 ms, 7g / 10 ms  12g / 5 ms, 7g / 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  Qu Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature during operation  ambient temperature during storage  ambient temperature during storage  ambient temperature during storage  ambient remperature during operation  operating 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  operating power  at AC-3  at 400 V rated value  22 kW	General technical data	
shock resistance at rectangular impulse	size of contactor	S2
at AC at DC  to ACC at DC  shock resistance with sine pulse  at AC at DC  at DC  to 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  ambient temperature during storage  Amin circuit  number of NO contacts for main current circuit number of NO contacts for main contacts  o e operating voltage at AC-3 rated value  operating power  at AC-3  at 400 V rated value  7.7g / 5 ms, 4.5g / 10 ms 7.7g / 5 ms, 7g / 10 ms 7.g /	product extension auxiliary switch	Yes
at DC  shock resistance with sine pulse  at AC  at DC  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)  nstallation altitude at height above sea level maximum  ambient temperature during operation  ambient temperature during storage  ambient temperature during storage  ambient of NO contacts for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  of operating voltage at AC-3 rated value  operating power  at ACO3  — at 400 V rated value  2 typ / 5 ms, 7g / 10 ms  12g / 5 ms, 7g / 10 ms  10 000 000  10 000 000  10 000 000  10 000 00	shock resistance at rectangular impulse	
shock resistance with sine pulse  • at AC  • at DC  mechanical service life (switching cycles)  • of contactor typical  • of the contactor with added auxiliary switch block typical  reference code acc. to IEC 81346-2  Quality Sustance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  • ambient temperature during operation  • ambient temperature during storage  **anioricruit*  number of NO contacts for main current circuit  number of NO contacts for main contacts  number of NO contacts for main contacts  • operating voltage at AC-3 rated value maximum  operating power  • at 400 V rated value  • at 400 V rated value  • at 400 V rated value  • at AC-3  — at 400 V rated value  • at AC-3  — at 400 V rated value  22 kW	• at AC	7.7g / 5 ms, 4.5g / 10 ms
<ul> <li>at AC</li> <li>at DC</li> <li>to contactor typical</li> <li>of contactor typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>reference code acc. to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>01.10.2014 00:00:00</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>ambient temperature during operation</li> <li>ambient temperature during storage</li> <li>-25 +60 °C</li> <li>ambient temperature during storage</li> <li>-55 +80 °C</li> </ul> Main circuit <ul> <li>number of NO contacts for main current circuit</li> <li>number of NC contacts for main contacts</li> <li>operating voltage at AC-3 rated value maximum</li> <li>690 V</li> </ul> operational current at AC-3 <ul> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at AC-3</li> <li>at 400 V rated value</li> </ul> operating power <ul> <li>at 400 V rated value</li> <li>at 400 V rated value</li> </ul>	• at DC	7.7g / 5 ms, 4.5g / 10 ms
* at DC     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)     O1.10.2014 00:00:00  Ambient conditions installation altitude at height above sea level maximum     * ambient temperature during operation     * ambient temperature during storage     Test with temperature during storage     Ain circuit     number of poles for main current circuit     number of NC contacts for main contacts     number of NC contacts for main contacts     o operating voltage at AC-3 rated value maximum     * at 400 V rated value	shock resistance with sine pulse	
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 of ambient temperature during operation ambient temperature during storage  Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts number of NC contacts for main contacts of operating voltage at AC-3 rated value maximum operational current at AC-3 of at 400 V rated value  at AC-3 of at 400 V rated value  22 kW	• at AC	12g / 5 ms, 7g / 10 ms
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      o ambient temperature during operation     o ambient temperature during storage  Amin circuit  number of poles for main current circuit  number of NC contacts for main contacts number of NC contacts for main contacts  o operating voltage at AC-3 rated value maximum  operational current at AC-3     o at 400 V rated value  at AC-3     o at	• at DC	12g / 5 ms, 7g / 10 ms
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     ambient temperature during storage      ambient temperature during storage      ambient 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  operating power      at 400 V rated value      at AC-3  — at 400 V rated value  22 kW	mechanical service life (switching cycles)	
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions installation altitude at height above sea level maximum  ambient temperature during operation ambient temperature during storage  -25 +60 °C ambient temperature during storage  Main circuit  number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts  o operating voltage at AC-3 rated value maximum operational current at AC-3 at 400 V rated value  at AC-3 — at 400 V rated value  22 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 • ambient temperature during storage  -25 +60 °C  • ambient temperature during storage  Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  o operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at AC-3  — at 400 V rated value  22 kW	· · · · · · · · · · · · · · · · · · ·	10 000 000
installation altitude at height above sea level maximum  • ambient temperature during operation • ambient temperature during storage  • ambient temperature during storage  -55 +80 °C  Main circuit  number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts  number of NC contacts for main contacts  o operating voltage at AC-3 rated value maximum  operational current at AC-3  • at 400 V rated value  • at AC-3  — at 400 V rated value  22 kW	reference code acc. to IEC 81346-2	Q
installation altitude at height above sea level maximum  • ambient temperature during operation • ambient temperature during storage  -25 +60 °C  • ambient temperature during storage  -55 +80 °C   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  50 A  operating power  • at AC-3  — at 400 V rated value  22 kW	Substance Prohibitance (Date)	01.10.2014 00:00:00
<ul> <li>ambient temperature during operation</li> <li>-25 +60 °C</li> <li>ambient temperature 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>operating power</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>22 kW</li> </ul>	Ambient conditions	
<ul> <li>ambient temperature during storage</li> <li>-55 +80 °C</li> <li>Main circuit</li> <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>operating power</li> <li>at AC-3</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>22 kW</li> </ul>	installation altitude at height above sea level maximum	2 000 m
Main circuit  number of poles for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  o operating voltage at AC-3 rated value maximum  operational current at AC-3  out at 400 V rated value  operating power  out at AC-3  out at	<ul> <li>ambient temperature 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  o  operating voltage at AC-3 rated value maximum  operational current at AC-3  out at 400 V rated value  operating power  out at AC-3  out at	<ul> <li>ambient temperature 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 operating power	Main circuit	
number of NC contacts for main contacts  output operating voltage at AC-3 rated value maximum operational current at AC-3 output at 400 V rated value  operating power output at AC-3 outp	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     operating power         • at AC-3         — at 400 V rated value         22 kW	number of NO contacts for main contacts	3
operational current at AC-3  • at 400 V rated value  50 A  operating power  • at AC-3  — at 400 V rated value  22 kW	number of NC contacts for main contacts	0
at 400 V rated value  operating power  at AC-3  — at 400 V rated value  22 kW	<ul> <li>operating voltage at AC-3 rated value maximum</li> </ul>	690 V
operating power  ■ at AC-3  — at 400 V rated value 22 kW	operational current at AC-3	
● at AC-3 — at 400 V rated value 22 kW	• at 400 V rated value	50 A
— at 400 V rated value 22 kW	operating power	
	• at AC-3	
— at 690 V rated value 22 kW	— at 400 V rated value	22 kW
	— at 690 V rated value	22 kW

Operating frequency at AC-3 maximum Control circuit Control Supply voltage 1 at AC	• at AC-4 at 400 V rated value	22 kW
Control supply voltage 1 at AC  • 15 0 Hz  • 16 0 Hz  •		
type of voltage of the control supply voltage ontrol supply voltage 1 at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 80 Hz  •		800 1/11
control supply voltage 1 at AC  at 60 Hz  control supply voltage 1  at 00 Hz  control supply voltage 1  at 00 Hz  besign of the surge suppressor  at 50 Hz  at 00 Hz  binductive power factor with closing power of the coil  at 00 Hz  at 00 Hz  at 00 Hz  binductive power factor with closing power of the coil  at 00 Hz  at 00 Hz  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  at 00 Hz  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  at 00 Hz  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the coil  at 00 Hz  binductive power factor with the holding power of the power the coil  at 00 Hz  binductive power factor with the holding power of the powe		
e at 50 Hz at 60 Hz a		AC/DC
e at 60 Hz ontrol supply voltage 1 e at 00 C operating range factor control supply voltage rated value of magnet coil at AC e at 50 Hz at 60 Hz of 50 Hz e at 60 Hz ot 60 Hz e at 60 Hz ot 60 Hz e at 60 Hz e at 60 Hz ot 60 Hz e at 60		
control supply voltage 1  at DC  porating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  biductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  at 60 Hz  at 60 Hz  biductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  biductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  biductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  biductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  biductive power factor with the holding power of the coil  at 50 Hz  biductive power of magnet coil at DC  biductive power of magnet coil at DC  coil  at 50 Hz  biductive power of magnet coil at DC  coil  at 60 Hz  biductive power of magnet coil at DC  coil  at 60 Hz  biductive power of magnet coil at DC  coil  at 60 Hz  biductive power of magnet coil at DC  coil  at 60 Hz  biductive power of magnet coil at DC  coil  at 60 Hz  coil  at		
at DC operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 50 Hz bit 20,81.1 at 50 Hz bit 30 Hz bit 40 VA at 50 Hz at 50 Hz bit 40 VA at 50 Hz bit 40 VA at 50 Hz bit 50 Hz bit 60 Hz bit 60 Hz bit 70 VA b		20 33 V
operating range factor control supply voltage rated value of magnet coil at AC   0.8 1.1   0.8	control supply voltage 1	
value of magnet coil at AC  at 50 Hz  40 KB MB	• at DC	20 33 V
e at 60 Hz  design of the surge suppressor sparent pick-up power of magnet coil at AC  e at 50 Hz  at 60 Hz  1 do V-A  inductive power factor with closing power of the coil  e at 50 Hz  at 60 Hz  to 0.5  apparent holding power of magnet coil at AC  e at 50 Hz  at 60 Hz  binductive power factor with the holding power of the coil  e at 50 Hz  at 60 Hz  at 60 Hz  binductive power factor with the holding power of the coil  e at 60 Hz  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  binding power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  binding power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  binding power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  binding power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  closing power of magnet coil at DC  at 60 Hz  at 60 H		
design of the surge suppressor apparent pick-up power of magnet coll at AC	● at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 50 Hz  • at 60 H	● at 60 Hz	0.8 1.1
• at 50 Hz 4t 60 Hz 4t 60 Hz 4t 60 Hz 5t 60 Hz 5	design of the surge suppressor	with varistor
* at 60 Hz      inductive power factor with closing power of the coil	apparent pick-up power of magnet coil at AC	
Inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  binductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  binding power of magnet coil at DC  availary circuit  number of NC contacts for auxillary contacts  aper direction of rotation  number of NC contacts for auxillary contacts  aper direction of rotation  number of NC contacts for auxillary contacts  aper direction of rotation  1  ainstantaneous contact  at 400 V cand auxiliary contacts  contact reliability of auxiliary contacts  at 480 V rated value  at 600 V rated value  at 600 V rated value  at 20/230 V rated value  at 20/230 V rated value  at 480/480 V rated value  at 575600 V rated value  at 575600 V rated value  at 760 v rated v	● at 50 Hz	40 V·A
a at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz building power factor with the holding power of the coil at 60 Hz at 60 Hz at 60 Hz at 60 Hz building power of magnet coil at DC at 60 Hz at 60 Hz building power of magnet coil at DC building power o	● at 60 Hz	40 V·A
a at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz building power factor with the holding power of the coil at 60 Hz at 60 Hz at 60 Hz at 60 Hz building power of magnet coil at DC at 60 Hz at 60 Hz building power of magnet coil at DC building power o	inductive power factor with closing power of the coil	
apparent holding power of magnet coil at AC  at 150 Hz 2 V-A 4 60 V-B 4		0.64
• at 50 Hz		
• at 50 Hz	apparent holding power of magnet coil at AC	
e at 60 Hz  inductive power factor with the holding power of the coil  e at 50 Hz e at 60 Hz O.36 O.39 Closing power of magnet coil at DC J W  holding power of magnet coil at DC Auxiliary circuit  number of NC contacts for auxiliary contacts e per direction of rotation Onumber of NC contacts for auxiliary contacts e per direction of rotation I 1 e instantaneous contact contact reliability of auxiliary contacts  1 error per 100 million operating cycles  UL/GSA ratings  full-load current (FLA) for 3-phase AC motor e at 480 V rated value e at 600 V rated value field mechanical performance (hp) for 3-phase AC motor e at 220/230 V rated value e at 460/480 V rated value e at 460/480 V rated value for short-circuit protection  design of the fuse link e for short-circuit protection of the main circuit — with type of assignment 2 required e with type of assignment 2 required e for short-circuit protection of the main circuit — with type of assignment 2 required e for short-circuit protection of the main circuit — with type of assignment 2 required e for short-circuit protection of the main circuit  - with type of assignment 2 required e for short-circuit protection of the main circuit - with type of assignment 2 required e for short-circuit protection of the main circuit - with type of assignment 2 required e for short-circuit protection of the main circuit - with type of assignment 2 required e for short-circuit protection of the main circuit - with type of assignment 2 required forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail height		2 V·A
Inductive power factor with the holding power of the coll  at 50 Hz at 60 Hz at 60 Hz closing power of magnet coil at DC bloding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts a per direction of rotation number of NC contacts for auxiliary contacts b per direction of rotation instantaneous contact contact reliability of auxiliary contacts  1 2 contact reliability of auxiliary contacts  1 5 2 A 5 5 A 5 A 5 A 6 A 6 B 7 B 8 B 8 B 8 B 8 B 8 B 8 B 8 B 8 B 8		
at 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC  Auxillary circuit number of NC contacts for auxiliary contacts  per direction of rotation number of NC contacts for auxiliary contacts  per direction of rotation number of NC contacts for auxiliary contacts  per direction of rotation number of NC contacts for auxiliary contacts  per direction of rotation 1 a instantaneous contact 2 contact reliability of auxiliary contacts  LUCSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 52 A st 460 V rated value 15 hp at 460/480 V rated value 15 hp at 375/560 V rated value 15 hp at 375/560 V rated value 50 hp contact rating of auxillary 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 forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method height  141 mm	inductive power factor with the holding power of the	
closing power of magnet coil at DC 23 W holding power of magnet coil at DC 1 W  Auxiliary circuit  number of NC contacts for auxiliary contacts  • per direction of rotation 0 number of NC contacts for auxiliary contacts  • per direction of rotation 1  • instantaneous contact 2 contact reliability of auxiliary contacts 12  contact reliability of auxiliary contacts 12  contact reliability of auxiliary contacts 12  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor 12  • at 480 V rated value 52 A 52 A 52 A 52 A 72  vielded mechanical performance [hp] for 3-phase AC motor 15  • at 220/230 V rated value 15 hp 15  • at 460/480 V rated value 40 hp 15  • at 460/480 V rated value 40 hp 15  • at 575/600 V rated value 40 hp 15  contact rating of auxiliary contacts according to UL 50 hp 50		0.36
closing power of magnet coil at DC holding power of magnet coil at DC  Auxillary circuit  number of NC contacts for auxillary contacts  • per direction of rotation number of NC contacts for auxillary contacts  • per direction of rotation is instantaneous contact 2 contact reliability of auxillary contacts  • the reliability of auxillary contacts   **Ill-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 460/480 V rated value • at 460/480 V rated value • at 450/480 V rated value • at 575/680 V rated value • at 575/680 V rated value • ontact rating of auxillary 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 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  - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch - with type of assignment 2 required • for short-circuit protection of the auxiliary switch - with type of assignment 2 required • for short-circuit protection of the auxiliary switch - with type of assignment 2 required • for short-circuit protection of the auxiliary switch - with type of assignment 2 required • for short-circuit protection of the auxiliary switch - with type of assignment 2 required - with type of assignment 2 required - with typ		
holding power of magnet coil at DC  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  1 2  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 600 V rated value  • at 220/230 V rated value  • at 480/480 V rated value  • at 480/480 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  • at 575/600 V rated value  • at 650 on p  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  • with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  1 W  1 W  1 W  1 W  1 W  1 W  1 Septiment 2 Sept		
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  2 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 220/230 V rated value  • at 270/230 V rated value  • at 460/480 V rated value  • at 575/600 V rated value  • at 480 V rated value  • at 52 A   **  **  **  **  **  **  **  **  **		
number of NC contacts for auxiliary contacts		1 VV
per direction of rotation     number of NO contacts for auxiliary contacts		
number of NO contacts for auxiliary contacts	-	
per direction of rotation     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 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 575/600 V rated value     at 575/600 V rated value     at 600 / Q600  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     of ro short-circuit protection of the auxiliary switch 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	•	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 460/480 V rated value  at 475/600 V rated value  at 575/600 V rated value  at 575/600 V rated value  both of 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  forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting rail  height		
contact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor	•	
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 480/480 V rated value  • at 460/480 V rated value  • at 460/480 V rated value  • at 575/600 V rated value  • at 600 / Q600  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  • 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 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 auxili		
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 220/230 V rated value  • at 460/480 V rated value  • at 575/600 V rated value  • at 600 / Q600  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  fuse in the fuse ink  provided in the fuse ink of the fuse ink of the second in the second ino		< 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 460/480 V rated value     at 575/600 V rated value     at 600 / Q600  Short-circuit protection  design of the fuse link     a for short-circuit protection of the main circuit     a with type of coordination 1 required     a with type of assignment 2 required     a for short-circuit protection of the auxiliary switch required     a for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position      at 480 V rated value     452 A      52 A      752 A      753 A      754 A      754 B      754 B      754 B      754 B      755 B	UL/CSA ratings	
installation/ mounting position      indoor	full-load current (FLA) for 3-phase AC motor	
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  15 hp  40 hp  4600 / Q600  Short-circuit protection  4690 / Q600  GR NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A  gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A  fuse gG: 10 A  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 surface  screw and snap-on mounting onto 35 mm standard mounting rail  height	<ul> <li>at 480 V rated value</li> </ul>	52 A
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  • 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 — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  15 hp  40 hp  40 hp  4600 / Q600  Short-circuit protection  gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A  gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A  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 surface  fastening method  height  141 mm	at 600 V rated value	52 A
<ul> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>50 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gG: 10 A</li> <li>fuse gG: 10 A</li> <li>forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>fastening method</li></ul></li></ul>		
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 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  #/1 mm	<ul><li>at 220/230 V rated value</li></ul>	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 surface  screw and snap-on mounting onto 35 mm standard mounting rail  height  ## 141 mm	<ul><li>at 460/480 V rated value</li></ul>	40 hp
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  fastening method height  141 mm	• at 575/600 V rated value	50 hp
design of the fuse link	contact rating of auxiliary contacts according to UL	A600 / Q600
design of the fuse link	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    Mathematical Companies of the auxiliary switch required	design of the fuse link	
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>● for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>■ Manual of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>■ H/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>Installation/ mounting method</li> <li>Installation/ mounting method</li> <li>Installation/ mounting surface</li> <li>Installation/ mounting position</li> <li>Installation/ mounting position</li> <li>Installation/ mounting onto 35 mm standard mounting rail</li> <li>Installation/ mounting method</li> <li>Installation/ mounting method</li> <li>Installation/ mounting method</li> <li>Installation/ mounting mounting onto 35 mm standard mounting rail</li> <li>Installation/ mounting mounting method</li> <li>Installation/ mounting mounting</li></ul>	•	
— with type of assignment 2 required  of 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  fastening method height  gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A  fuse gG: 10 A  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A
● 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  fuse gG: 10 A  +/-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	31	
Installation/ mounting/ dimensions  mounting position	<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	
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	<u> </u>	
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		±/_180° rotation possible on vertical mounting surfaces can be tilted
height 141 mm		forward and backward by +/- 22.5° on vertical mounting surface
width 120 mm		
	width	120 mm

depth	130 mm	
required spacing		
<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	10 mm	
— backwards	0 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	10 mm	
for grounded parts		
— forwards	10 mm	
— backwards	0 mm	
— upwards	10 mm	
— at the side	10 mm	
— downwards	10 mm	
for live parts		
— forwards	10 mm	
— backwards	0 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	10 mm	
Connections/ Terminals	10 11111	
type of electrical connection for main current circuit	screw-type terminals	
type of connectable conductor cross-sections	· · · · · · · · · · · · · · · · · · ·	
for main contacts		
— solid	2x (1 35 mm²), 1x (1 50 mm²)	
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)	
finely stranded with core end processing	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	2x (10 2), 1x (10 1)	
• for auxiliary contacts		
— solid or stranded	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)	
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)	
Safety related data	27 (20 10), 27 (10 14)	_
B10 value with high demand rate acc. to SN 31920	1 000 000	
proportion of dangerous failures		
with low demand rate acc. to SN 31920	40 %	
with high demand rate acc. to SN 31920      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	20 y	
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		
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
_	Miscellaneous	Type Test







Miscellaneous



Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other



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=3RA2336-8XB30-1NB3

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2336-8XB30-1NB3

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2336-8XB30-1NB3

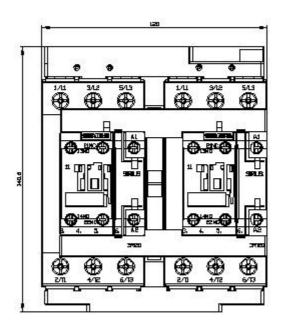
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

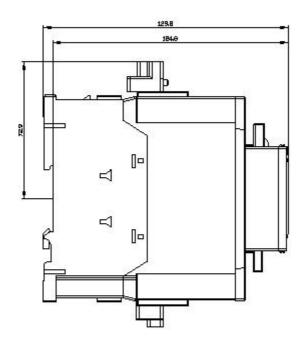
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2336-8 (B30-1NB3&lang=en

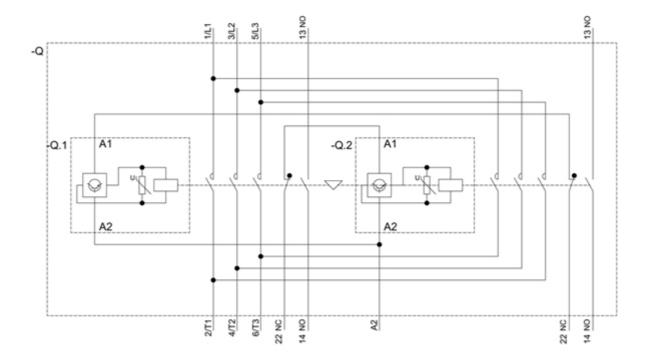
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2336-8XB30-1NB3/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2336-8XB30-1NB3&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2336-8XB30-1NB3&objecttype=14&gridview=view1</a>







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