# **SIEMENS**

## **Data sheet**

3RA2327-8XB30-2BB4



reversing contactor assembly, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 24 V DC, spring-loaded terminal, electrical and mechanical interlock, auxiliary contacts:  $2\times1$  NO

product brand name	SIRIUS	
product designation	Reversing contactor assembly	
product type designation	3RA23	
manufacturer's article number		
<ul> <li>1 of the supplied contactor</li> </ul>	3RT2027-2BB40	
<ul> <li>2 of the supplied contactor</li> </ul>	3RT2027-2BB40	
<ul> <li>of the supplied RS assembly kit</li> </ul>	3RA2923-2AA2	
General technical data		
size of contactor	S0	
product extension auxiliary switch	Yes	
shock resistance at rectangular impulse		
• at AC	8,3g / 5 ms, 5,3g / 10 ms	
• at DC	10g / 5 ms, 7,5g / 10 ms	
shock resistance with sine pulse		
• at AC	13,5g / 5 ms, 8,3g / 10 ms	
• at DC	15g / 5 ms, 10g / 10 ms	
mechanical service life (operating cycles)		
<ul> <li>of contactor typical</li> </ul>	10 000 000	
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	10/01/2009	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
<ul><li>during operation</li></ul>	-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		
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V	
at AC-3e rated value maximum	690 V	
operational current		
• at AC-3		
— at 400 V rated value	32 A	
— at 500 V rated value	32 A	
— at 690 V rated value		
	21 A	
• at AC-3e	21 A	

— at 500 V rated value — at 600 V rated value 2 1 A  operating power			
operating power  at ACO V rated value  — at 600 rate	— at 500 V rated value		
* at AC-3		21 A	
at 400 V rated value			
at 500 V rated value			
at 800 V rated value			
and AG-Qa  and 400 V rated value and 600 V rated value and 600 V rated value and AG-Qa maximum and AG			
at 400 V rated value	— at 690 V rated value	18.5 kW	
at 809 V rated value  at 1AC-3 at axionum  at AC-3 maximum  at AC-3 maximu	• at AC-3e		
	— at 400 V rated value	15 kW	
operating frequency  * if AG-3 maximum  * if AG-4 m	— at 690 V rated value	18.5 kW	
at AC-3 maximum at AC-3 maximum by at AC-3 maximum by of voltage of the control supply voltage or of voltage of the control supply voltage at DC rated value at DC rated value bidging power of magnet coil at DC bidging power of po	at AC-4 at 400 V rated value	11 kW	
AC-26 maximum			
Control circuit/ Control  Type of voltage of the control supply voltage   24 V    • at DC rated value   24 V    holding power of magnet coll at DC   5.9 W    Auxiliary circuit   1		750 1/h	
type of voltage of the control supply voltage 1  • aft DC rated value 24 V  closing power of magnet coil at DC 5.9 W  holding power of magnet coil at DC 5.9 W  Auxiliary circuit  number of NO contacts for auxiliary contacts • per direction of rotation 1 • instantaneous contact 2  contact reliability of auxiliary contacts 12  LUGSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value 27 A • at 800 V rated value 27 A • at 800 V rated value 20 hp • at 875/600 V rated value 28 hp • at 875/600 V rated value 28 hp • at 875/600 V rated value 28 hp • at 575/600 V rated value 28 hp • at 675/600 V rated value 40 hp • at 675/600 V rated value 28 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection of the main circuit 40 hp • or short-circuit protection of the main circuit 50 hp  - with type of coordination 1 required 60 he for short-circuit protection of the auxiliary switch required 61 he full by 61 his grammar of the fuse hilk 61 hill by 61 his grammar 2 required 62 his short-circuit protection of the auxiliary switch required 63 he full by 62 his grammar 2 required 63 he full by 63 his grammar 2 required 64 he full by 64 his grammar 2 required 65 his grammar 65 his gramma		750 1/h	
Control supply voltage 1  • at DC rated value closing power of magnet coil at DC contact reliability of auxiliary contacts  • per direction of rotation and per direction of the auxiliary contacts  * per direction of the sellow • per direction of the auxiliary switch required • of short-circuit protection of the main circuit • with type of coordination 1 required • of 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	Control circuit/ Control		
e at DC reted value	type of voltage of the control supply voltage	DC	
Closing power of magnet coil at DC   5.9 W	control supply voltage 1		
Abording power of magnet coil at DC   5.9 W	at DC rated value	24 V	
Auxiliary circuit number of NO contacts for auxiliary contacts	closing power of magnet coil at DC	5.9 W	
number of NO contacts for auxiliary contacts  • per direction of rotation • instantaneous contact 2  contact reliability of auxiliary contacts  ULCS arctings  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 600 V rated value • at 460/480 V rated value • at 640/480 V rated value • at 675/6500 V rated value • 25 hp  contact rating of auxiliary contacts according to UL  A600 / O600  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 • 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 switc		5.9 W	
per direction of rotation instantaneous contact  contact reliability of auxillary contacts  contact reliability of auxillary contacts  cal 480 V rated value at 600 V rated value 27 A at 800 V rated value 27 A yielded mechanical performance (tip) for 3-phase AC motor at 480/480 V rated value 20 hp at 480/480 V rated value 21 hp at 480/480 V rated value 22 hp at 480/480 V rated value 23 hp contact rating of auxillary contacts according to UL 28 hp contact rating of auxillary contacts according to UL 28 hp contact rating of value in the protection  design of the fuse link  of or short-circuit protection  design of the fuse link  of or short-circuit protection of the main circuit  with type of coordination 1 required of short-circuit protection of the auxiliary switch required of short-circuit protection of the auxiliary switch required fastening position  fastening position  fastening method fast	Auxiliary circuit		
Instantaneous contact   2   2   1   1   2   2   1   2   2   2	number of NO contacts for auxiliary contacts		
Contact reliability of auxiliary contacts  ULCSA ratings  full-load current (FLA) for 3-phase AC motor	<ul> <li>per direction of rotation</li> </ul>	1	
ULICSA ratings       full-load current (FLA) for 3-phase AC motor	instantaneous contact	2	
full-load current (FLA) for 3-phase AC motor  at 480 V rated value 27 A  yielded mechanical performance [hp] for 3-phase AC motor  at 220/230 V rated value 20 hp at 460/480 V rated value 22 hp eat 460/480 V rated value 25 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 fastening mounting/ dimensions  mounting position  #/-180" rotation possible 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 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 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 b	contact reliability of auxiliary contacts	< 1 error per 100 million operating cycles	
at 480 V rated value at 600 V rated value 27 A  yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 460/480 V rated value 20 hp at 15/5600 V rated value 25 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 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  Installation/ mounting/ dimensions  mounting position  4/-180* rotation possible on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward and backward by 4/- 22.5* on vertical mounting surface; can be titled forward by 4/- 22.5* on vertical mounting surface; can be tit	UL/CSA ratings		
e at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor e at 220/230 V rated value 20 hp at 460/480 V rated value 22 hp at 575/600 V rated value 25 hp contact rating of auxiliary contacts according to UL A600 / 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 fastening method fastening method screw and snap-on 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 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 and backward	full-load current (FLA) for 3-phase AC motor		
yielded mechanical performance [tip] for 3-phase AC motor  • 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 • at 680 / Q600  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: 125 A  gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A  gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 A  gG NH 3NA, DIAZED 5SB, NEOZED 5SE:	• at 480 V rated value	27 A	
at 220/230 V rated value at 460/480 V rated value 2 bp 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 — with grow of coordination 1 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required  — with grow of assignment 2 required for short-circuit protection of the auxiliary switch required  — with grow of assignment 2 required for short-circuit protection of the auxiliary switch required  — with grow of assignment 2 required for short-circuit protection of the auxiliary switch required  — with sylve of assignment 2 required fastening method  — screw and snap-on mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward snap-on mounting onto 35 mm DIN rall  height  — 114 mm  required spacing  — with side-by-side mounting  — forwards — backwards — on mm  — at the side — ownwards — of mm  — at the side — for grounded parts — forwards — backwards — backwards — on mm  — at the side — downwards — on mm  — at the side — downwards — on mm  — at the side — downwards — on mm  — at the side — downwards — on mm  — on	• at 600 V rated value	27 A	
at 460/480 V rated value at 575/600 V rated value 25 hp 25 hp 26 hp 3600 / Q600  Short-circuit protection  design of the fuse link	yielded mechanical performance [hp] for 3-phase AC motor		
• 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  • 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; 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 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 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 by +/- 22.5* on vertical mounting surface; can be tilted forward by +/- 22.5* on vertical mounting surface; can be tilted forward by +/- 22.5* on vertical mounting surface; can be tilted forward by	• at 220/230 V rated value	10 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  • 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; 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 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 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 surface; can be tilted forward and surface; can be tilted forward and surface	• at 460/480 V rated value	20 hp	
Short-circuit protection  design of the fuse link	• at 575/600 V rated value	25 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 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 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 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 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 b	contact rating of auxiliary contacts according to UL	A600 / Q600	
• 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  • with side in mounting of the same point of the survival surface provided 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 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 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 a	Short-circuit protection		
- with type of coordination 1 required - with type of assignment 2 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 stending method - for stending method - forwards - backwards	design of the fuse link		
with type of assignment 2 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 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 spot mounting onto 35 mm DIN rail  114 mm  ### Width ### 114 mm  ### Width ### 107 mm  ### required spacing  ### with side-by-side mounting  ### of mm  #	<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
• 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  screw and snap-on mounting onto 35 mm DIN rail  height  114 mm  width  90 mm  depth  107 mm  required spacing  • with side-by-side mounting  — forwards — backwards — upwards — downwards — at the side  • for grounded parts — forwards — backwards — backwards — upwards — omm  • for grounded parts — forwards — backwards — downwards — downwards — 6 mm  • form  • formards — backwards	<ul> <li>— with type of coordination 1 required</li> </ul>	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 125 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 DIN rail       height     114 mm       width     90 mm       depth     107 mm       required spacing     • with side-by-side mounting       — forwards     6 mm       — backwards     0 mm       — upwards     6 mm       — downwards     6 mm       — at the side     6 mm       — backwards     0 mm       — for grounded parts     6 mm       — backwards     0 mm       — upwards     6 mm       — backwards     0 mm       — upwards     6 mm       — at the side     6 mm       — at the side     6 mm       — downwards     6 mm       — for grounded parts	<ul> <li>— with type of assignment 2 required</li> </ul>	gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A	
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 DIN rail  114 mm  width  90 mm  depth  107 mm  required spacing  with side-by-side mounting  - forwards  - backwards  - upwards  - downwards  - at the side  for grounded parts  - forwards  - backwards  0 mm  6 mm  6 mm  - at the side  - forwards  - backwards  0 mm  6 mm  - downwards  - forwards  - forwards  - forwards  - forwards  - for grounded parts  - forwards  - backwards  - backwards  - backwards  - backwards  - backwards  - backwards  - forwards  - backwards  - backwards  - backwards  - backwards  - downwards  - downwards  - at the side  - downwards  - form  - downwards  - downwards  - downwards  - downwards  - downwards  - downwards  - form  - downwards  - downwards  - form  - forwards  - forwards  - form  - forwards  - form  - forwards  - form  - forwards  - form  - forwards	• for short-circuit protection of the auxiliary switch required	fuse gG: 10 A	
fastening method screw and snap-on mounting onto 35 mm DIN rail height 114 mm width 90 mm depth 107 mm required spacing  • with side-by-side mounting  — forwards 6 mm — backwards 0 mm — downwards 6 mm — at the side 6 mm  • for grounded parts — forwards — backwards — upwards — at the side 6 mm — at the side 6 mm — backwards — backwards — forwards — forwards — forwards — forwards — forwards — forwards — for grounded parts — forwards — backwards — backwards — backwards — backwards — backwards — backwards — o mm — at the side — downwards — at the side — downwards — at the side — downwards — downwards — o mm	Installation/ mounting/ dimensions		
fastening method screw and snap-on mounting onto 35 mm DIN rail   height 114 mm   width 90 mm   depth 107 mm   required spacing	mounting position		
height         114 mm           width         90 mm           depth         107 mm           required spacing         • with side-by-side mounting           ● with side-by-side mounting         6 mm           — forwards         0 mm           — backwards         0 mm           — downwards         6 mm           — at the side         6 mm           — backwards         0 mm           — upwards         6 mm           — at the side         6 mm           — at the side         6 mm           — downwards         6 mm           — downwards         6 mm			
width         90 mm           depth         107 mm           required spacing         6 mm           • with side-by-side mounting         6 mm           — forwards         6 mm           — backwards         0 mm           — downwards         6 mm           — at the side         6 mm           • for grounded parts         6 mm           — backwards         0 mm           — upwards         6 mm           — at the side         6 mm           — at the side         6 mm           — downwards         6 mm		·	
depth         107 mm           required spacing         • with side-by-side mounting           — forwards         6 mm           — backwards         0 mm           — upwards         6 mm           — downwards         6 mm           • for grounded parts         6 mm           — backwards         0 mm           — upwards         6 mm           — at the side         6 mm           — at the side         6 mm           — downwards         6 mm			
required spacing  • with side-by-side mounting  — forwards — backwards — upwards — downwards — at the side  • for grounded parts — forwards — backwards — backwards — upwards — 6 mm  • for mards — 6 mm — backwards — 6 mm — at the side — downwards — at the side — downwards — at the side — downwards  6 mm  6 mm			
<ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li< td=""><td>•</td><td>107 mm</td></li<></ul>	•	107 mm	
forwards 6 mm backwards 0 mm upwards 6 mm downwards 6 mm at the side 6 mm  for grounded parts forwards 6 mm backwards 0 mm upwards 6 mm upwards 6 mm at the side 6 mm at the side 6 mm downwards 6 mm			
— backwards       0 mm         — upwards       6 mm         — downwards       6 mm         — at the side       6 mm         • for grounded parts       6 mm         — backwards       0 mm         — upwards       6 mm         — at the side       6 mm         — downwards       6 mm			
— upwards       6 mm         — downwards       6 mm         — at the side       6 mm         • for grounded parts       6 mm         — forwards       0 mm         — backwards       0 mm         — upwards       6 mm         — at the side       6 mm         — downwards       6 mm			
— downwards       6 mm         — at the side       6 mm         ● for grounded parts       6 mm         — forwards       6 mm         — backwards       0 mm         — upwards       6 mm         — at the side       6 mm         — downwards       6 mm			
— at the side       6 mm         ● for grounded parts       6 mm         — forwards       6 mm         — backwards       0 mm         — upwards       6 mm         — at the side       6 mm         — downwards       6 mm	•		
<ul> <li>for grounded parts</li> <li>— forwards</li> <li>— backwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> <li>6 mm</li> <li>6 mm</li> <li>6 mm</li> </ul>			
— forwards       6 mm         — backwards       0 mm         — upwards       6 mm         — at the side       6 mm         — downwards       6 mm		6 mm	
<ul> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>6 mm</li> <li>6 mm</li> <li>6 mm</li> </ul>			
<ul> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>6 mm</li> <li>6 mm</li> </ul>			
- at the side 6 mm - downwards 6 mm			
— downwards 6 mm	•		
• for live parts		6 mm	
	for live parts		

— forwards	6 mm			
— backwards	0 mm			
— upwards	6 mm			
— downwards	6 mm			
— at the side	6 mm			
Connections/ Terminals				
type of electrical connection				
for main current circuit	spring-loaded terminals			
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals			
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals			
• of magnet coil	Spring-type terminals			
type of connectable conductor cross-sections for main contacts				
• solid	2x (1 10 mm²)			
<ul> <li>solid or stranded</li> </ul>	2x (1 10 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 6 mm²)			
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1 6 mm²)			
type of connectable conductor cross-sections				
<ul> <li>for auxiliary contacts</li> </ul>				
— solid or stranded	2x (0.5 2.5 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)			
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 1.5 mm²)			
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 14)			
Safety related data				
B10 value with high demand rate according to SN 31920	1 000 000			
proportion of dangerous failures				
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %			
with high demand rate according to SN 31920	75 %			
failure rate [FIT] with low demand rate according to SN 31920	100 FIT			
T1 value for proof test interval or service life according to IEC 61508	20 a			
protection class IP on the front according to IEC 60529	IP20			
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front			
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		



Confirmation









**Test Certificates** 

Marine / Shipping

Special Test Certificate











Marine / Shipping

other

Railway

**Dangerous Good** 





Confirmation

Vibration and Shock

Transport Information

Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-busine

### Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

### Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RA2327-8XB30-2BB4

### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2327-8XB30-2BB4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2327-8XB30-2BB4

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

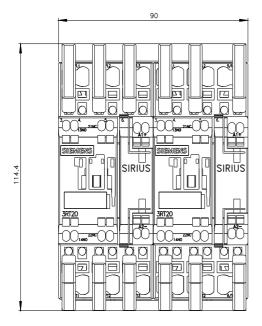
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2327-8XB30-2BB4&lang=en

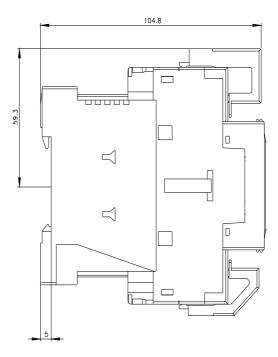
Characteristic: Tripping characteristics, I2t, Let-through current

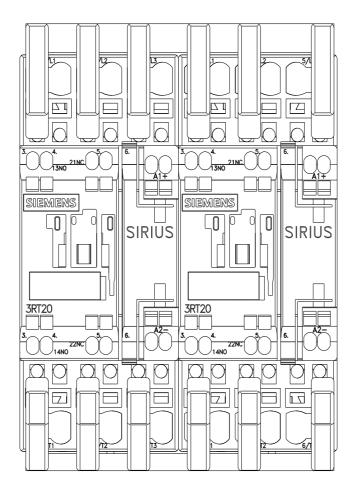
https://support.industry.siemens.com/cs/ww/en/ps/3RA2327-8XB30-2BB4/char

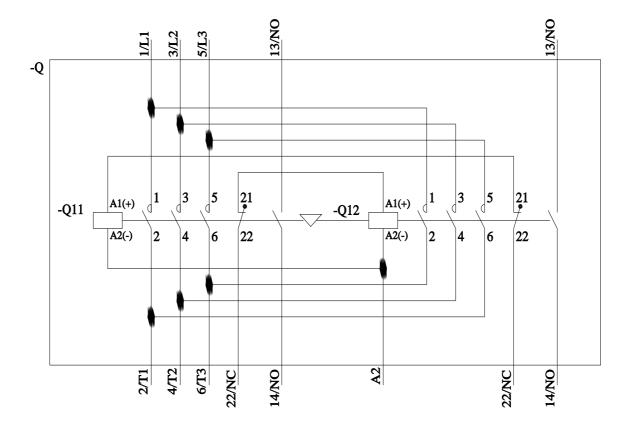
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2327-8XB30-2BB4&objecttype=14&gridview=view1









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