## **SIEMENS**

Data sheet 3RT2325-2BB40



contactor AC-1, 35 A, 400 V / 40 °C, 4-pole, 24 V DC, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	
size of contactor	S0
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul><li>auxiliary switch</li></ul>	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	7.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
<ul> <li>without load current share typical</li> </ul>	5.9 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of the auxiliary and control circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
shock resistance at rectangular impulse	
• at DC	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• 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
<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %
maximum	
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C</li> </ul>	35 A

rated value	
at AC-1  — up to 690 V at ambient temperature 40 °C      reted value.	35 A
rated value — up to 690 V at ambient temperature 60 °C	30 A
rated value  • at AC-3	
— at 400 V rated value	15.5 A
• at AC-4 at 400 V rated value	15.5 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm <sup>2</sup>
operating power	
at AC-3 at 400 V rated value	7.5 kW
at AC-4 at 400 V rated value  short-time withstand current in cold operating state  and 40 °C	7.5 kW
up to 40 °C  • limited to 1 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Ilmited to 7 s switching at zero current maximum     Imited to 5 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	1 500 1/h
operating frequency at AC-1 maximum	1 000 1/h
Control circuit/ Control	
type of voltage	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	041/
rated value     operating range factor control supply voltage rated	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
<ul> <li>full-scale value</li> <li>closing power of magnet coil at DC</li> </ul>	1.1 5.9 W
holding power of magnet coil at DC	5.9 W
closing delay	0.0 11
• at DC	50 170 ms
opening delay	
• at DC	15 18 ms
arcing time	10 10 ms
control version of the switch operating mechanism	
	Standard A1 - A2
Auxiliary circuit	
Auxiliary circuit number of NC contacts for auxiliary contacts	1
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable	1 2
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact	1 2 1
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable	1 2
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact number of NO contacts for auxiliary contacts	1 2 1 1
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact number of NO contacts for auxiliary contacts  • attachable	1 2 1 1 2
Auxiliary circuit  number of NC contacts for auxiliary contacts  attachable  instantaneous contact number of NO contacts for auxiliary contacts  attachable  instantaneous contact	1 2 1 1 2 1
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact number of NO contacts for auxiliary contacts  • attachable  • instantaneous contact operational current at AC-12 maximum	1 2 1 1 2 1 10 A
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact number of NO contacts for auxiliary contacts  • attachable  • instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value  • at 400 V rated value	1 2 1 1 2 1 1 2 1 1 1 1 0 A 10 A 3 A
Auxiliary circuit  number of NC contacts for auxiliary contacts  attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value	1 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1
Auxiliary circuit  number of NC contacts for auxiliary contacts  attachable instantaneous contact number of NO contacts for auxiliary contacts  attachable instantaneous contact operational current at AC-12 maximum operational current at AC-15  at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value	1 2 1 1 2 1 1 2 1 1 1 1 0 A 10 A 3 A
Auxiliary circuit  number of NC contacts for auxiliary contacts  attachable instantaneous contact number of NO contacts for auxiliary contacts  attachable instantaneous contact operational current at AC-12 maximum operational current at AC-15  at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12	1 2 1 1 1 2 2 1 1 1 1 0 A 1 1 0 A 3 A 2 A 1 A
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact number of NO contacts for auxiliary contacts  • attachable  • instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operational current at DC-12  • at 24 V rated value	1 2 1 1 1 2 2 1 1 1 1 1 0 A 1 1 0 A 1 1 A 1 1 0 A
Auxiliary circuit  number of NC contacts for auxiliary contacts  attachable instantaneous contact number of NO contacts for auxiliary contacts attachable instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value	1 2 1 1 2 1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit  number of NC contacts for auxiliary contacts  • attachable  • instantaneous contact number of NO contacts for auxiliary contacts  • attachable  • instantaneous contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  operational current at DC-12  • at 24 V rated value	1 2 1 1 1 2 2 1 1 1 1 1 0 A 1 1 0 A 1 1 A 1 1 0 A
number of NC contacts for auxiliary contacts	1 2 1 1 2 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
number of NC contacts for auxiliary contacts	1 2 1 1 1 2 1 1 1 2 2 1 1 1 1 0 A 1 1 0 A 1 1 0 A 1 1 A 1 1 0 A 1 A 1
number of NC contacts for auxiliary contacts	1 2 1 1 2 1 1 2 2 1 1 1 1 0 A 1 1 0 A 1 1 A 1 1 A 1 1 A 1 1 A 1 A
number of NC contacts for auxiliary contacts	1 2 1 1 1 2 1 1 1 2 2 1 1 1 1 1 0 A 1 1 0 A 1 1 A 1 A 1 1 A

e at 120 V rated value e at 125 V rated value 0.9 A 0.1 A 0.3 A 0.1 A 0.1 A 0.3 A 0.1 A 0.1 A 0.3 A 0.1 A 0.		
e at 125 V rated value e at 220 V rated value 0.3 A 0.1 A 0.1 A (230 V, 400 A) protection of the auxiliary switch required contact reliability of auxiliary contacts  Contact rating of auxiliary contacts according to UL CSA ratios  Contact rating of auxiliary contacts according to UL CSA ratios  Contact rating of auxiliary contacts according to UL CSA ratios  Contact rating of auxiliary contacts according to UL CSA ratios  Contact rating of auxiliary contacts according to UL CSA ratios  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  • with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  * for short-circuit protection of the auxiliary switch required  * side-by-side mounting dimensions  * with side-by-side mounting  • for side-by-side mounting  • for lowards  • downwards  • downwards  • for grounded parts  • for lowards  • for low	• at 48 V rated value	2 A
a ti 220 Y rated value beign of the ministure circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  Contact rating of auxiliary contacts according to UL  Short-circuit protection  product function 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  • side-by-side mounting  fastaning method  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • orwards  — upwards  — onwards  — at the side  • for orwards  — at the side  • for wards  — upwards  — onwards  — at the side  — downwards  — onwards  — onwards  — at the side  — downwards  — onwards  — upwards  — forwards  — upwards  — forwards  — upwards  — forwards  — onwards  — of or incurid specification  • for live parts  — forwards  — on minimum on the depth  —		
e at 600 V rated value design of the ministruct circuit preaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts  CONTACT reliability of auxiliary contacts according to UL COSA ratings  Contact rating of auxiliary contacts according to UL COSA ratings  Contact rating of auxiliary contacts according to UL COSA ratings  Contact rating of auxiliary contacts according to UL COSA ratings  Contact rating of auxiliary contacts according to UL COSA ratings  Contact rating of auxiliary contacts according to UL COSA ratings  COSA (690 V. 100 kA)  GOS : 63 A (690 V. 1		
design of the miniature circuit breaker for short-circuit protection of the auxiliary valuth required contact reliability of auxiliary contacts according to UL.  Short-circuit protection  product function short circuit protection design of the fuse link  • for short-circuit protection of the auxiliary with per of coordination 1 required — with type of costing and auxiliary switch required — with type of assignment 2 required — with type of something of the auxiliary switch required for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required — with type of content and the state of the auxiliary switch required  • with type of assignment 2 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  • with type of assignment 2 required  • side-by-side mounting  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • for wards  • for invards  • for inv		
Contact rating of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings           Contact rating of auxiliary contacts according to UL         A600 / O600           Short-circuit protection           design of the fuse link         No           - with type of coordination 1 required         Social A (690 V, 100 kA)           — with type of assignment 2 required         gG: 20 A (690 V, 100 kA)           — for short-circuit protection of the auxiliary switch required         gG: 10 A (690 V, 100 kA)           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 +/	design of the miniature circuit breaker for short-circuit	
contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link  • for short-circuit protection of the main circuit — with type of condination 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 side-by-side mounting / forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 22.5° on vertical mounting surface; can be tilted forward and backward by 4-/ 2	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Short-circuit protection   Product function short circuit protection   design of the fuse link	UL/CSA ratings	
product function 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 switch specified of the auxiliary switch required  * for switch specified or specified of the success of the specified of the success of the specified of the specified or specified	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 — 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 gis 20 A (690 V, 100 kA) gis 20 A (690 V, 100 k	Short-circuit protection	
• 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 position  - fastening method  • side-by-side mounting  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • forwards  — upwards  — downwards  — at the side  • for grounded parts  — forwards  — upwards  — at the side  — downwards  • for live parts  — forwards  — ownwards  • for live parts  — forwards  — to mm  — at the side  — downwards  — to mm  — at the side  — downwards  — to mm  — at the side  — downwards  — to mm  — at the side  — forwards  — to mm  — at the side  — forwards  — to mm  — at the side  — forwards  — to mm  — to mm  — at the side  — forwards  — to mm  — to min current circuit  • for auxiliary and control circuit  • to contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • of magnet coil  type of connectable conductor cross-sections for main  contacts	product function short circuit protection	No
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  Installation/ mounting/ dimensions  mounting position fastening method side-by-side mounting with depth required spacing  with side-by-side mounting forwards upwards at the side downwards at the side forwards		
- 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	·	
• for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  • side-by-side mounting  • with side-by-side mounting  • for grounded parts  — forwards — at the side — downwards — at the side — downwards — at the side — downwards — to for live parts — forwards — upwards — downwards — the side — downwards — 10 mm  • for Ilve parts — forwards — the side — downwards — the side — downwards — the side — downwards — 10 mm  • for live parts — forwards — the side — downwards — the side — downwards — the side — downwards — the side — for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts  • of magnet coil type of connectable conductor cross-sections for main contacts  • of magnet coil type of connectable conductor cross-sections for main contacts  • of magnet coil type of connectable conductor cross-sections for main contacts  • of magnet coil type of connectable conductor cross-sections for main contacts  • of magnet coil type of connectable conductor cross-sections for main contacts		
Installation/ mounting/ dimensions  mounting position		
mounting position		gG: 10 A (690 V, 1 kA)
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 according to DIN EN 60715  • side-by-side mounting  • side-by-side mounting  width  depth  102 mm  60 mm  107 mm  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — downwards — at the side — oo mm  • for grounded parts — for wards — at the side — downwards — to mm  • for live parts — forwards — upwards — to mm  • for live parts — forwards — downwards — at the side — downwards — at the side — for main current circuit • for auxiliary and control circuit • for maxiliary and control circuit • for auxiliary and control circuit • spring-loaded terminals • spring-loaded terminals • spring-loaded terminals • spring-loaded terminals • Spring-type terminals  Spring-type terminals  Spring-type terminals  Spring-type terminals  Spring-type terminals	·	
forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  • side-by-side mounting  height width 60 mm  depth required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side • for grounded parts — forwards — upwards — 10 mm  • for grounded parts — forwards — at the side • for mm — upwards — at the side — downwards — 10 mm  • for live parts — forwards — upwards — upwards — at the side — downwards — to mm  • for live parts — for wards — upwards — to mm  - at the side — downwards — to mm  - at the side — for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts  spring-type terminals  type of connectable conductor cross-sections for main contacts  spring-type terminals		+/-180° rotation possible on vertical mounting surface; can be tilted
side-by-side mounting     height		forward and backward by +/- 22.5° on vertical mounting surface
height width depth frequired spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side — for grounded parts — forwards — upwards — upwards — 10 mm  • for grounded parts — forwards — upwards — 10 mm  • for grounded parts — forwards — upwards — at the side — downwards — 10 mm  • for live parts — forwards — upwards — upwards — upwards — the side — downwards — 10 mm  • for live parts — forwards — upwards — upwards — the side — downwards — to mm  Connections/ Terminals   type of electrical connection • for magnet coil • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts  Spring-type terminals  Spring-type terminals  Spring-type terminals	fastening method	
width depth required spacing  with side-by-side mounting  - forwards - upwards - downwards - at the side for grounded parts - forwards - upwards - upwards - the side - downwards - at the side - downwards - to mm  for live parts - forwards - upwards - upwards - to mm - to mm  contacts  for main current circuit of main current circuit of main current circuit of main current contacts  for connectable conductor cross-sections for main contacts  for connectable conductor cross-sections for main contacts  for connectable conductor cross-sections for main	<ul> <li>side-by-side mounting</li> </ul>	Yes
depth required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — 10 mm  • for grounded parts — forwards — 10 mm — upwards — 10 mm  • for wards — 10 mm  • for main current circuit • for auxiliary and control circuit • of connectable conductor cross-sections for main contacts  • with side-by-side mounting  10 mm  1	_	
required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side — o mm  • for grounded parts — forwards — upwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — 10 mm — at the side — downwards — 10 mm  • for live parts — forwards — upwards — upwards — to mm  • for wards — upwards — to mm  • for main current circuit — for main current circuit — for magnet coil  • of magnet coil  • of connectable conductor cross-sections for main contacts  • with side-by-side mounting  10 mm  10 mm  10 mm  10 mm  5 mm  5 mm  6 mm  Connections/ Terminals  • for auxiliary and control circuit • of magnet coil  • of magnet coil  • Spring-type terminals  • Spring-type terminals	width	60 mm
with side-by-side mounting     — forwards     — upwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — ownwards     — upwards     — upwards     — upwards     — at the side     — downwards     — at the side     — downwards     — for live parts     — forwards     — upwards     — upwards     — upwards     — upwards     — upwards     — at the side     — downwards     — upwards     — upwards     — upwards     — downwards     — at the side     — for main current circuit     • for main current circuit     • for auxiliary and control circuit     • for auxiliary and control circuit     • at contactor for auxiliary contacts     • of magnet coil type of connectable conductor cross-sections for main contacts  Spring-type terminals	•	107 mm
forwards 10 mm upwards 10 mm downwards 10 mm at the side 0 mm for grounded parts forwards 10 mm upwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm downwards 10 mm for live parts forwards 10 mm upwards 10 mm upwards 10 mm upwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm at the side 6 mm   Connections/ Terminals  type of electrical connection for auxiliary and control circuit spring-loaded terminals at contactor for auxiliary contacts of magnet coil spring-type terminals  type of connectable conductor cross-sections for main contacts		
- upwards 10 mm - downwards 10 mm - at the side 0 mm  • for grounded parts - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - for invertical to make 10 mm - at the side 6 mm   Connections/ Terminals  type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals type of connectable conductor cross-sections for main contacts	, G	
- downwards		
- at the side  • for grounded parts  - forwards  - upwards  - at the side  - downwards  • for live parts  - forwards  - forwards  - forwards  - forwards  - forwards  - forwards  - to mm  - upwards  - upwards  - upwards  - upwards  - upwards  - downwards  - at the side  Connections/ Terminals   type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts		
• for grounded parts  — forwards — upwards — at the side — downwards — for live parts — forwards — forwards — upwards — forwards — upwards — upwards — upwards — downwards — at the side — downwards — at the side  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts  10 mm  10 mm  6 mm  Connections/ Terminals  5 pring-loaded terminals  5 spring-loaded terminals  5 Spring-type terminals  5 Spring-type terminals		
forwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm  • for live parts forwards 10 mm upwards 10 mm upwards 10 mm downwards 10 mm downwards 10 mm at the side 6 mm   Connections/ Terminals  type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts		O mm
- upwards - at the side - downwards • for live parts - forwards - upwards - upwards - downwards - downwards - at the side - at the side  Connections/ Terminals   type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts		10 mm
- at the side - downwards • for live parts - forwards - upwards - upwards - downwards - at the side  Connections/ Terminals   type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts  6 mm  6 mm  Connections/ Terminals  5 pring-loaded terminals 5 pring-loaded terminals 5 Spring-type terminals 5 Spring-type terminals		
- downwards  • for live parts  - forwards  - upwards  - downwards  - downwards  - at the side  Connections/ Terminals   type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  10 mm  10 mm  6 mm  Connections/ Terminals  5 mm  Spring-loaded terminals  5 spring-loaded terminals  5 spring-type terminals  5 spring-type terminals		
<ul> <li>for live parts         — forwards         — upwards         — downwards         — at the side          Connections/ Terminals          type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         type of connectable conductor cross-sections for main contacts</li> </ul>		
- forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-type terminals • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts		
- downwards 10 mm - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts	•	10 mm
- at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts	— upwards	10 mm
type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts	— downwards	10 mm
type of electrical connection  • for main current circuit spring-loaded terminals  • for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-type terminals  • of magnet coil Spring-type terminals  type of connectable conductor cross-sections for main contacts	— at the side	6 mm
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> </ul> spring-loaded terminals Spring-type terminals Spring-type terminals	Connections/ Terminals	
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> </ul> spring-loaded terminals Spring-type terminals Spring-type terminals	type of electrical connection	
<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>Spring-type terminals</li> <li>Spring-type terminals</li> </ul>		
• of magnet coil  type of connectable conductor cross-sections for main contacts  Spring-type terminals	•	
type of connectable conductor cross-sections for main contacts	-	
contacts	_	Spring-type terminals
● solid 2x (1 10 mm²)	contacts	
		2x (1 10 mm²)
• solid or stranded 2x (1 10 mm²)		
• finely stranded with core end processing  2x (1 6 mm²)		
• finely stranded without core end processing 2x (1 6 mm²)	-	2x (1 6 mm²)
connectable conductor cross-section for main contacts		
• solid 1 10 mm <sup>2</sup>		1 10 mm²
• solid or stranded 1 10 mm²		
• stranded 1 10 mm <sup>2</sup>		
• finely stranded with core end processing 1 6 mm <sup>2</sup>		
• finely stranded without core end processing 1 6 mm²		
connectable conductor cross-section for auxiliary	-	
contacts	contacts	

0.5 ... 2.5 mm<sup>2</sup> solid or stranded • finely stranded with core end processing 0.5 ... 1.5 mm<sup>2</sup> • finely stranded without core end processing 0.5 ... 2.5 mm<sup>2</sup> type of connectable conductor cross-sections • for auxiliary contacts - solid 2x (0.5 ... 2.5 mm²) - solid or stranded 2x (0.5 ... 2.5 mm²) - finely stranded with core end processing 2x (0.5 ... 1.5 mm<sup>2</sup>) - finely stranded without core end processing 2x (0.5 ... 2.5 mm²) • at AWG cables for auxiliary contacts 2x (20 ... 14) AWG number as coded connectable conductor cross section · for main contacts 18 ... 8 • for auxiliary contacts 20 ... 14

For auxiliary contacts
 Safety related data

product function
 • mirror contact according to IEC 60947-4-1
 T1 value for proof test interval or service life according to IEC 61508
 protection class IP on the front according to IEC 60529
 touch protection on the front according to IEC 60529

Communication/ Protocol

product function bus communication

No

Certificates/ approvals

**General Product Approval** 

**EMC** 





Confirmation







Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



## Marine / Shipping













other

Railway

**Dangerous Good** 

Confirmation



Vibration and Shock

<u>Transport Information</u>

## **Further information**

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=3RT2325-2BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2325-2BB40

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

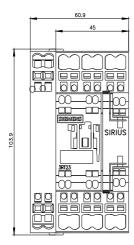
https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-2BB40

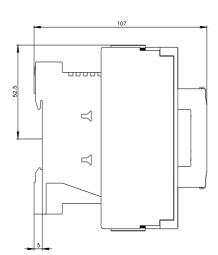
Characteristic: Tripping characteristics, I2t, Let-through current

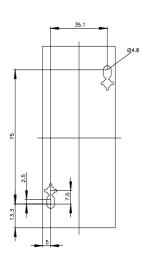
https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-2BB40/char

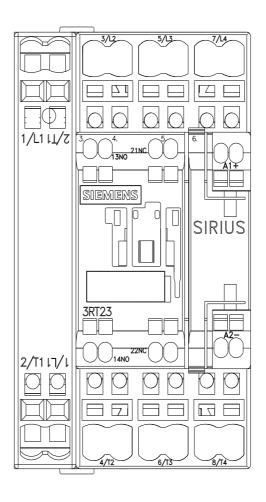
Further characteristics (e.g. electrical endurance, switching frequency)

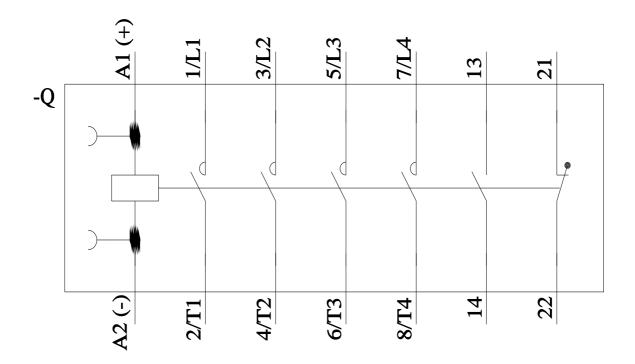
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2325-2BB40&objecttype=14&gridview=view1











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