## **SIEMENS**

Data sheet 3RT2327-1AP60



Contactor, AC-1, 50 A/400 V/40  $^{\circ}$ C, S0, 4-pole, 220 V AC/50 Hz, 240 V/60 Hz, 1 NO+1 NC, screw 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
auxiliary switch	Yes
insulation voltage	
<ul> <li>of main 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
of auxiliary circuit rated value	6 kV
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching 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 acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2009 00:00:00
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 during operation	10 95 %
relative humidity at 55 °C acc. to IEC 60068-2-30 maximum	95 %
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 rated value</li> </ul>	50 A

• at AC-1		
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	50 A	
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	42 A	
• at AC-3		
— at 400 V rated value	15.5 A	
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	15.5 A	
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²	
operating power		
<ul><li>at AC-3 at 400 V rated value</li></ul>	7.5 kW	
at AC-4 at 400 V rated value	7.5 kW	
short-time withstand current in cold operating state up to 40 °C		
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	Use minimum cross-section acc. to AC-1 rated value	
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	Use minimum cross-section acc. to AC-1 rated value	
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	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	
Iimited to 60 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value	
no-load switching frequency		
• at AC	5 000 1/h	
operating frequency at AC-1 maximum	1 000 1/h	
Control circuit/ Control		
type of voltage	AC	
type of voltage of the control supply voltage	AC	
control supply voltage at AC		
at 50 Hz rated value	220 V	
• at 60 Hz rated value	240 V	
operating range factor control supply voltage rated value of magnet coil at AC		
● at 50 Hz	0.8 1.1	
● at 60 Hz	0.8 1.1	
apparent pick-up power of magnet coil at AC		
• at 50 Hz	81 V·A	
• at 60 Hz	79 V·A	
inductive power factor with closing power of the coil		
• at 50 Hz	0.72	
• at 60 Hz	0.74	
apparent holding power of magnet coil at AC		
• at 50 Hz	10.5 V·A	
• at 60 Hz	8.5 V·A	
inductive power factor with the holding power of the coil		
• at 50 Hz	0.25	
● at 60 Hz	0.28	
closing delay		
• at AC	8 40 ms	
opening delay		
• at AC	4 16 ms	
arcing time	10 10 ms	
control version of the switch operating mechanism	Standard A1 - A2	
Auxiliary circuit		
number of NC contacts for auxiliary contacts	1	
• attachable	2	
• instantaneous contact	1	
number of NO contacts for auxiliary contacts	1	
attachable		
- 0.000	2	
instantaneous contact	2 1	

operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 60 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated
at 230 V rated value at 400 V rated value 2 A at 400 V rated value 2 A at 400 V rated value 3 A  at 400 V rated value 2 A  at 690 V rated value 1 A  operational current at DC-12  at 24 V rated value 6 A at 60 V rated value 6 A at 60 V rated value 6 A at 160 V rated value 7 A at 125 V rated value 9 A 1 A 7 A 1 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
at 400 V rated value at 500 V rated value 2 A at 500 V rated value 1 A  operational current at DC-12 at 24 V rated value 6 A at 48 V rated value 6 A at 60 V rated value 6 A at 110 V rated value 6 A at 110 V rated value 7 A at 110 V rated value 8 A at 125 V rated value 9 A 1 A  out 220 V rated value 1 A  out 600 V rated value 1 A  out 600 V rated value 1 A  out 600 V rated value 1 A  out 125 V rated value 1 A  out 125 V rated value 1 A  out 148 V rated value 1 A  out 148 V rated value 1 A  out 149 V rated value 1 A  out 140 V rated value 1 A  out 125 V ra
at 500 V rated value at 690 V rated value 1 A  operational current at DC-12 at 24 V rated value 1 0 A at 48 V rated value 2 A at 60 V rated value 3 A at 60 V rated value 6 A at 60 V rated value 6 A 3 A at 125 V rated value 1 A 6 A at 220 V rated value 1 A 6 A  at 220 V rated value 1 A 6 A  at 220 V rated value 1 A 6 A  at 220 V rated value 1 A 6 A  at 220 V rated value 1 A 6 A  at 220 V rated value 1 A 6 A  at 24 V rated value 2 A  at 24 V rated value 2 A  at 24 V rated value 2 A  at 34 V rated value 3 A  at 24 V rated value 4 A 6 A 4 A 6 A 4 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6
operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 60 V rated value • at 110 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 20 V rated value • at 600 V rated value • at 60
at 24 V rated value 6A A A A A A A A A A A A A A A A A A A
at 24 V rated value at 48 V rated value at 48 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 22 V rated value at 22 V rated value at 60 V rated value be at 22 V rated value at 600 V rated value at 48 V rated value be at 48 V rated value at 48 V rated value be at 48 V rated value at 110 V rated value at 110 V rated value be at 110 V rated value at 110 V rated value be at 110 V rated value at 125 V rated value be at 220 V rated value be at 320 V rated va
at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value be at 48 V rated value at 48 V rated value at 48 V rated value be at 48 V rated value at 48 V rated value be at 48 V rated value at 48 V rated value at 48 V rated value be at 420 V rated value at 110 V rated value at 125 V rated value be at 120 V rated value at 220 V rated value be at 600 V rated value be at 600 V rated value be at 200 V rated value be at 600 V rated value be at 120 V r
at 60 V rated value at 110 V rated value 2 A at 125 V rated value 1 A at 220 V rated value 2 A  at 220 V rated value 3 A  be at 220 V rated value 1 A  coperational current at DC-13 at 24 V rated value 2 A  at 24 V rated value 3 A  at 24 V rated value 4 A V rated value 5 A  at 125 V rated value 6 A  1 A  3 A  4 A  4 Table V rated value 7 A  5 A  4 Table V rated value 7 A  5 A  6 A  3 A  4 A  4 Table V rated value 7 A  5 A  6 A  5 A  5 A  6 A  5 A  5 A  6 A  5 A  5
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 200 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 126 V rated value</li> <li>at 126 V rated value</li> <li>at 200 V rated value</li> <li>at 300 V rated value</li> <li>at 600 V rated value</li> <li>by 600 V rated value</li> <li>contact reliability of auxiliary switch required</li> <li>contact rating of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the fuse link</li> <li>of or short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>gG: 63 A (690 V, 100 kA)</li> <li>gG: 20 A (690 V, 100 kA)</li> <li>gG: 20 A (690 V, 100 kA)</li> <li>gG: 10 A (690 V, 1 kA)</li> <li>gG: 10 A (690 V, 1 kA)</li> <li>required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>required</li> <li>for short-circuit protection of the auxiliary switch</li> <li>required</li> <li>for open trial mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface</li> <li>resew and snapa-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> </ul>
at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value  at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 125 V rated value at 220 V rated value at 230 V rated value at 24 V rated value at 25 V rated value at 260 V rated value at 260 V rated value at 27 V rated value at 28 V rated value at 28 V rated value at 29 V rated value at 20 V rated value a
at 220 V rated value  at 600 V rated value  operational current at DC-13  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 110 V rated value  at 125 V rated value  at 220 V rated value  at 220 V rated value  at 220 V rated value  at 600 V rated value  besign of the miniature circuit breaker for short-circuit protection of the auxiliary switch required  contact rating of auxiliary contacts  contact rating of auxiliary contacts  the for short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit  with type of coordination 1 required  for short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch  gG: 63 A (690 V, 100 kA)  gG: 10 A (890 V, 100 kA)  gG: 20 A (690 V, 100 kA)  gG: 10 A (690 V, 1 kA)  required  Installation/ mounting/ dimensions  mounting position  1 A  10 A  2 A  4 A  4 A  4 A  4 A  4 A  4 A  4
operational current at DC-13  • at 24 V rated value  • at 48 V rated value  • at 110 V rated value  • at 110 V rated value  • at 125 V rated value  • at 120 V rated value  • at 220 V rated value  • at 220 V rated value  • at 200 V rated value  • at 200 V rated value  • at 600 V rated value  • at 220 V rated value  • at 600 V rated value  • at 600 V rated value  • at 250 V rated value  • at 600 V rated value  • at 250 V rated value  • at 600 V rated value  • at 200 V rated value  • at 250 V rated value  •
operational current at DC-13  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 1220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value  contact reliability of auxiliary switch required contact reliability of auxiliary contacts  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  Mo  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  Installation/ mounting/ dimensions  mounting position  10 A  2 A  4 A  10 A  4 C30 V, 400 A)  9 GG: 10 A (630 V, 100 kA)  9 GG: 63 A (690 V, 100 kA)  9 GG: 63 A (690 V, 100 kA)  9 GG: 20 A (690 V, 100 kA)  9 GG: 20 A (690 V, 100 kA)  9 GG: 20 A (690 V, 100 kA)  9 GG: 10 A (690 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  4 - 180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>o.1 A</li> <li>design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>gG: 63 A (690 V, 100 kA)</li> <li>of or short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (690 V, 100 kA)</li> <li>gG: 10 A (690 V, 1 kA)</li> <li>installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm standard mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>screw and snap-on mounting onto 35 mm standard mounting rall according to DIN EN 60715</li> </ul>
<ul> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>1 A</li> <li>at 600 V rated value</li> <li>2 A</li> <li>4 t 600 V rated value</li> <li>2 (3) A</li> <li>3 A</li> <li>4 (230 V, 400 A)</li> <li>5 (230 V, 400 A)</li> <li>6 (230 V, 400 A)</li> <li>7 (230 V, 400 A)</li> <li>9 (230 V, 400 A)</li> <li>9 (230 V, 400 A)</li> <li>9 (230 V, 400 A)</li> <li>1 (230 V, 400 A)</li> <li>2 (230 V, 400 A)</li> <li>4 (230 V, 400 A)</li> <li>6 (230 V, 400 A)</li> <li>6 (230 V, 400 A)</li> <li>6 (230 V, 400 A)</li> <li>7 (240 V, 400 A)</li> <li>8 (250 V, 400 A)</li> <li>9 (250 V, 400 V, 400 A)</li> <li>9 (250 V, 4</li></ul>
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 700 V rated value</li> &lt;</ul>
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>gG: 63 A (690 V, 100 kA)</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the</li></ul>
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— for short-circuit protection of the auxiliary switch required</li> <li>installation/ mounting/ dimensions</li> <li>mounting position</li> <li>4/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail according to DIN EN 60715</li> </ul>
<ul> <li>at 600 V rated value</li> <li>design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>gG: 63 A (690 V, 100 kA)</li> <li>of or short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>o.1 A</li> </ul>
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required  contact reliability 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 / Q600  Short-circuit protection  product function short circuit protection  of the fuse link  of or short-circuit protection of the main circuit  with type of coordination 1 required  of or short-circuit protection of the auxiliary switch required  of or short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  social 20 A (690 V, 100 kA)  of or short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  wounting position
protection of the auxiliary switch required  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  of the fuse link  of or short-circuit protection of the main circuit  with type of coordination 1 required  of or short-circuit protection of the auxiliary switch  required  of or short-circuit protection of the auxiliary switch  required  Installation/ mounting/ dimensions  mounting position  the formula function of the street in the forward and backward by +/- 22.5° 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 according to DIN EN 60715
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 assignment 2 required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail according to DIN EN 60715
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 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 according to DIN EN 60715
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  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 according to DIN EN 60715
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  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 according to DIN EN 60715
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 according to DIN EN 60715
<ul> <li>for short-circuit protection of the main circuit         <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> </ul> </li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>#/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</li> <li>fastening method</li> <li>screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> </ul>
— 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 according to DIN EN 60715
— 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  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
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 according to DIN EN 60715
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 standard mounting rail according to DIN EN 60715
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 according to DIN EN 60715
forward and backward by +/- 22.5° on vertical mounting surface  fastening method  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
according to DIN EN 60715
side-by-side mounting     Yes
- 5.45 by 5.45 mountains
height 85 mm
width 60 mm
depth 97 mm
required spacing
with side-by-side mounting
— forwards 10 mm
— 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
• for live parts
— forwards 10 mm
— upwards 10 mm
<ul><li>upwards</li><li>downwards</li><li>10 mm</li><li>10 mm</li></ul>

type of electrical connection				
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
<ul> <li>for main current circuit</li> </ul>	screw-type terminals			
for auxiliary and control circuit	screw-type terminals			
type of connectable conductor cross-sections				
<ul> <li>for main contacts</li> </ul>				
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)			
<ul><li>— solid or stranded</li></ul>	2x (1 2,5 mm²), 2x (2,5 10 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²			
at AWG cables for main contacts	2x (16 12), 2x (14 8)			
connectable conductor cross-section for main contacts				
• solid	1 10 mm²			
<ul> <li>solid or stranded</li> </ul>	1 10 mm²			
<ul><li>stranded</li></ul>	1 10 mm²			
finely stranded with core end processing	1 10 mm²			
connectable conductor cross-section for auxiliary contacts				
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²			
finely stranded with core end processing	0.5 2.5 mm²			
type of connectable conductor cross-sections				
<ul> <li>for auxiliary contacts</li> </ul>				
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
<ul><li>— solid or stranded</li></ul>	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)			
AWG number as coded connectable conductor cross section				
<ul> <li>for main contacts</li> </ul>	16 8			
<ul> <li>for auxiliary contacts</li> </ul>	20 14			
Safety related data				
product function mirror contact acc. to IEC 60947-4-1	Yes			
T1 value for proof test interval or service life acc. to IEC 61508	20 y			
protection class IP on the front acc. to IEC 60529	IP20			
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front			
Communication/ Protocol				
product function bus communication	No			
Certificates/ approvals				
General Product Approval		EMC	Functional Safety/Safety of Machinery	











Type Examination Certificate

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

UK Declaration of Conformity



Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping other











## 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=3RT2327-1AP60

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2327-1AP60$ 

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RT2327-1AP60

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

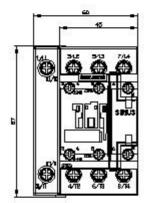
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2327-1AP60&lang=en

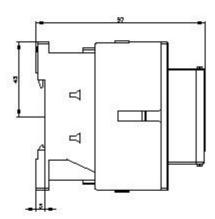
Characteristic: Tripping characteristics, I2t, Let-through current

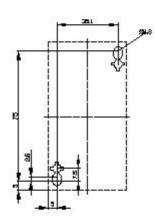
https://support.industry.siemens.com/cs/ww/en/ps/3RT2327-1AP60/char

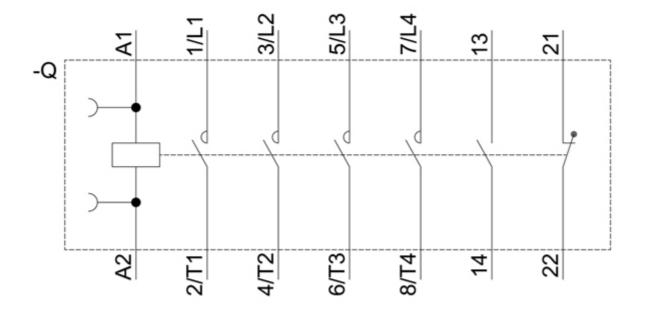
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2327-1AP60&objecttype=14&gridview=view1









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