## **SIEMENS**

Data sheet 3RT2325-1AK60



Contactor, AC-1, 35 A/400 V/40  $^{\circ}$ C, S0, 4-pole, 110 V AC/50 Hz, 120 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	
power loss [W] for rated value of the current		
<ul> <li>at AC in hot operating state</li> </ul>	7.6 W	
at AC in hot operating state per pole	1.9 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	
of auxiliary circuit rated value	6 kV	
shock resistance at rectangular impulse		
• at AC	7,5g / 5 ms, 4,7g / 10 ms	
shock resistance with sine pulse		
• at AC	11,8g / 5 ms, 7,4g / 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 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	
relative humidity minimum	10 %	
relative humidity at 55 °C according 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		

• at AC-1 at 400 V at ambient temperature 40 °C rated value	35 A
<ul> <li>at AC-1</li> <li>up to 690 V at ambient temperature 40 °C</li> </ul>	35 A
rated value  — up to 690 V at ambient temperature 60 °C rated value	30 A
• 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 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	
limited to 1 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Ilmited to 5 s switching at zero current maximum     Ilmited to 10 a switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum     limited to 30 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>	Use minimum cross-section acc. to AC-1 rated value  Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	OSC Millimum Gross-Section acc. to AC-1 rated value
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	110 V
at 60 Hz rated value	120 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	00.1/4
<ul><li>at 50 Hz</li><li>at 60 Hz</li></ul>	68 VA 67 VA
inductive power factor with closing power of the coil	07 VA
at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	
● at 50 Hz	7.9 VA
● at 60 Hz	6.5 VA
inductive power factor with the holding power of the coil	
● at 50 Hz	0.25
● at 60 Hz	0.28
closing delay	040
• at AC	8 40 ms
opening delay	4 16 ms
• at AC arcing time	4 16 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	2
<ul> <li>instantaneous contact</li> </ul>	1

an austion of a very mant at A O 40	10.0
operational current at AC-12 maximum	10 A
operational current at AC-15	40.4
at 230 V rated value	10 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
<ul> <li>at 500 V rated value</li> </ul>	2 A
at 690 V rated value	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 110 V rated value	1A
at 175 V rated value     at 125 V rated value	0.9 A
at 125 V rated value     at 220 V rated value	0.3 A
	0.1 A
at 600 V rated value  design of the ministure sirguit breaker for short circuit.	
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required	gG: 10 A (230 V, 400 A)
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	riddity officially por 100 million (17 V, 1 mill)
contact rating of auxiliary contacts according to UL	A600 / Q600
	A0007 Q000
Short-circuit protection	N.
product function short circuit protection	No
design of the fuse link	
for short-circuit protection of the main circuit	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63 A (690 V, 100 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20 A (690 V, 100 kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (690 V, 1 kA)
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	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
fastening method  • side-by-side mounting	screw and snap-on mounting onto 35 mm standard mounting rail
•	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
side-by-side mounting	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes
• side-by-side mounting  height	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm
• side-by-side mounting  height  width  depth	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm
side-by-side mounting     height     width	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm
• side-by-side mounting  height  width  depth  required spacing  • with side-by-side mounting	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting      — forwards  — upwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting      — forwards      — upwards      — downwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  Yes  85 mm  60 mm  97 mm  10 mm  10 mm  10 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting      — forwards      — upwards      — downwards      — at the side	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting      — forwards      — upwards      — downwards      — at the side      for grounded parts	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  Yes  85 mm  60 mm  97 mm  10 mm  10 mm  0 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 10 mm 10 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting      — forwards      — upwards      — downwards      — at the side      for grounded parts      — forwards      — upwards      — upwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting     height  width  depth  required spacing      with side-by-side mounting      — forwards      — upwards      — downwards      — at the side      for grounded parts      — forwards      — upwards      — at the side      of a grounded parts      — a the side      upwards      — upwards      — at the side	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  Yes  85 mm  60 mm  97 mm  10 mm  10 mm  10 mm  10 mm  6 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards     — upwards     — at the side     of or grounded parts     — at the side     — downwards     — upwards     — upwards     — at the side     — downwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards     — upwards     — at the side      of or grounded parts     — forwards     — upwards     — upwards     — at the side     — downwards      of or live parts	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards     — upwards     — torwards     — at the side     of or grounded parts     — forwards     — upwards     — at the side     — downwards     ofor live parts     — forwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  Yes  85 mm  60 mm  97 mm  10 mm  10 mm  10 mm  10 mm  6 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards     — upwards     — at the side      of or grounded parts     — forwards     — upwards     — upwards     — at the side     — downwards      of or live parts	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards     — upwards     — at the side      for grounded parts     — forwards     — upwards     — at the side     — downwards     — at the side     — downwards      • for live parts     — forwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
side-by-side mounting  height  width  depth  required spacing      with side-by-side mounting     — forwards     — upwards     — downwards     — at the side      for grounded parts     — forwards     — upwards     — torwards     — upwards     — forwards     — upwards     — at the side     — downwards     — at the side     — downwards     • for live parts     — forwards     — upwards	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 85 mm 60 mm 97 mm  10 mm 10 mm 0 mm 10 mm

product function		
• for auxillary and control circuit     • at contactor for auxillary contacts     • of magnet coil  type of connectable conductor cross-sections     • for main contacts     • solid     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • finely stranded with core end processing     • for auxillary contacts     • solid or stranded     • finely stranded with core end processing     • for auxillary contacts     • solid or stranded     • finely stranded with core end processing     • for auxillary contacts     • solid or stranded     • finely stranded with core end processing     • for auxillary contacts     • solid or stranded     • finely stranded with core end processing     • for auxillary contacts     • solid or stranded     • finely stranded with core end processing     • for auxillary contacts      • for aux	type of electrical connection	
• at contactor for auxiliary contacts     • of magnet coil  type of connectable conductor cross-sections     • for main contacts     — solid     — solid or stranded     — finely stranded with core end processing     • at AVMC cables for main contacts     • solid     • solid or stranded     • solid     • solid or stranded     • solid     • solid     • solid     • solid or stranded     • stranded     • solid     • solid or stranded     • stranded     • solid     • solid or stranded     • stranded     • stranded     • stranded     • stranded     • stranded of stranded     • stranded of stranded of stranded     • stranded     • solid or stranded     • stranded of stranded     • stranded of stranded     • stranded of stranded     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • finely stranded with core end processing     • for auxiliary contacts     — solid     — solid or stranded     — finely stranded with core end processing     • at AVMC cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for main contacts     • for propoftest interval or service life according to IEC 60598  product function  • mirror contact according to IEC 60947-4-1     Th value for proof test interval or service life according to IEC 60529  touch product function bus communication  No  Cortificates/approvals	for main current circuit	screw-type terminals
type of connectable conductor cross-sections  • for main contacts  - solid  - solid or stranded - finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end process	<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
type of connectable conductor cross-sections   of or main contacts	<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
• for main contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  • solid • solid or stranded — finely stranded with core end processing • solid • solid or stranded • silvanded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • silvanded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section • for main contacts • for or main contact according to IEC 60947-4-1  T1 value for proof test interval or service life according to IEC 60529  T1 value for proof test interval or service life according to IEC 60529  Townburlication in the front according to IEC 60529  Townburlication in the front according to IEC 60529  Townburlication in the front according to IEC 60529  Townburlication in protocol  product function bus communication  No	of magnet coil	Screw-type terminals
- solid or stranded	type of connectable conductor cross-sections	
solid or stranded finely stranded with core end processing at AWG cables for main contacts  solid solid or stranded solid solid or stranded solid or strande	<ul> <li>for main contacts</li> </ul>	
- finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid • solid or stranded • stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts  - for auxiliary contacts  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1	— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
e at AWG cables for main contacts  connectable conductor cross-section for main contacts e solid e solid or stranded finely stranded with core end processing e solid or stranded of the stran	<ul> <li>solid or stranded</li> </ul>	2x (1 2.5 mm²), 2x (2.5 10 mm²)
connectable conductor cross-section for main contacts  • solid • solid or stranded • stranded • stranded of finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  type of connectable conductor cross-sections • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross-sections • for auxiliary contacts  - for auxiliary contacts  - finely stranded with core end processing • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross-section  • for main contacts • for auxiliary contacts  - f	<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
e solid or stranded e solid or stranded 1 10 mm² e finely stranded with core end processing connectable conductor cross-section for auxiliary contacts e solid or stranded e finely stranded with core end processing connectable conductor cross-section for auxiliary contacts e solid or stranded e finely stranded with core end processing type of connectable conductor cross-sections e for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing e at AWG cables for auxiliary contacts  e for auxiliary contacts e for main contacts e for main contacts for main contacts - for auxiliary c	<ul> <li>at AWG cables for main contacts</li> </ul>	2x (16 12), 2x (14 8)
solid or stranded     solid or stranded     solid or stranded     solid or stranded     stranded with core end processing     solid or stranded with core end processing     solid or stranded with core end processing     solid or stranded     solid or strander     solid or strande		
• stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  type of connectable conductor cross-sections • for auxiliary contacts  — solid — solid or stranded — solid or stranded — finely stranded with core end processing  • at AWG cables for auxiliary contacts  • for main contacts • for auxiliary contacts  — a the for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  16 8 • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for processing • for auxiliary contacts  • for processing • for auxiliary contacts  • for processing • for auxiliary contacts  • for auxiliary contacts  • for processing • for auxiliary contacts  • for auxiliary contacts  • for processing • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for processing • finely stranded with core end processing • finely stranded with core end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (20 16), 2x (18 14)   **Safety related data**  **Processing**  **Processing**  **The value for proof test interval or service life according to lEC 60547-4-1  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof test interval or service life according to lEC 60529  **The value for proof	• solid	1 10 mm²
• finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     • solid or stranded     • finely stranded with core end processing     • for auxiliary contacts     • solid or stranded     • for auxiliary contacts     • solid or stranded     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • solid or stranded     • finely stranded with core end processing     • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for main contacts     • for auxiliary contacts  AWG number as coded connectable conductor cross section     • for main contacts     • for auxiliary contacts  16 8     • for auxiliary contacts  20 14  Safety related data  product function     • mirror contact according to IEC 60947-4-1  T 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  touch protection on the front according to IEC 60529  communication/ Protocol  product function bus communication  No  Certificates/ approvals	<ul> <li>solid or stranded</li> </ul>	1 10 mm²
connectable conductor cross-section for auxiliary contacts  • solid or stranded • finely stranded with core end processing  • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts  - for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section • for main contacts - for auxiliary contacts	<ul><li>stranded</li></ul>	1 10 mm²
contacts	<ul> <li>finely stranded with core end processing</li> </ul>	1 10 mm²
• finely stranded with core end processing      type of connectable conductor cross-sections         • for auxiliary contacts             — solid             — solid             — solid or stranded             — finely stranded with core end processing             — finely stranded with core end processing             — at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section             • for main contacts             • for auxiliary contacts              • for auxiliary contacts              • for auxiliary contacts              • 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  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front Communication/ Protocol  product function bus communication  No  Certificates/ approvals		
type of connectable conductor cross-sections  • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts — for main contacts — for main contacts • for auxiliary contacts  16 8 • for auxiliary contacts 20 14  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  touch protection bus communication No  Certificates/ approvals	<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²
• for auxiliary contacts  — solid — solid — solid or stranded — finely stranded with core end processing — at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts  16 8 • for auxiliary contacts  20 14  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 60529  touch protection on the front according to IEC 60529  touch protection bus communication  No  Certificates/ approvals	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
- solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) - at AWG cables for auxiliary contacts 2x (20 16), 2x (18 14)  AWG number as coded connectable conductor cross section - for main contacts - for auxiliary conta	type of connectable conductor cross-sections	
- solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts • for auxiliary contacts  • for auxiliary contacts  • for of auxiliary contacts  • for auxiliary contacts  20 14  Yes  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  finger-safe, for vertical contact from the front Communication/ Protocol  product function bus communication  No  Certificates/ approvals	<ul> <li>for auxiliary contacts</li> </ul>	
- finely stranded with core end processing  • at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  20 14  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  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front Communication/ Protocol  product function bus communication  No  Certificates/ approvals	— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section      of or main contacts     of or auxiliary contacts      of or auxiliary contacts	<ul> <li>solid or stranded</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts 20 14  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  touch protection on the front according to IEC 60529  communication/ Protocol product function bus communication No  Certificates/ approvals	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for main contacts     • for auxiliary contacts     • for auxiliary contacts      • for au	at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
for auxiliary contacts     20 14  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		
product function	<ul> <li>for main contacts</li> </ul>	16 8
product function	<ul> <li>for auxiliary contacts</li> </ul>	20 14
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  touch protection on the front according to IEC 60529  communication/ Protocol  product function bus communication  No  Certificates/ approvals	Safety related data	
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	product function	
protection class IP on the front according to IEC 60529  touch protection 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	mirror contact according to IEC 60947-4-1	Yes
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front  Communication/ Protocol  product function bus communication No  Certificates/ approvals		20 y
Communication/ Protocol  product function bus communication  No  Certificates/ approvals		IP20
product function bus communication No Certificates/ approvals	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Certificates/ approvals	Communication/ Protocol	
	product function bus communication	No
General Product Approval EMC	Certificates/ approvals	
	General Product Approval	EMC





Confirmation







Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping

other













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=3RT2325-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2325-1AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-1AK60

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

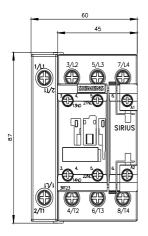
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=

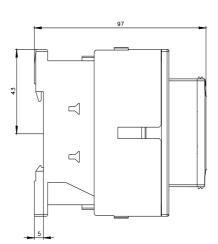
Characteristic: Tripping characteristics, I2t, Let-through current

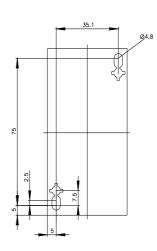
https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-1AK60/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2325-1AK60&objecttype=14&gridview=view1







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