## **SIEMENS**

Data sheet 3RT2317-1AF00



Contactor, AC-1, 22 A/400 V/40  $^{\circ}\text{C},$  S00, 4-pole, 110 V AC, 50/60 Hz, screw terminal

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	
size of contactor	S00
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>	6.4 W
at AC in hot operating state per pole	1.6 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	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (switching cycles)	
of contactor typical	30 000 000
<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	

<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> </ul>	22 A
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated value	20 A
• at AC-3	
— at 400 V rated value	12 A
• at AC-4 at 400 V rated value	8.5 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm²
operating power	
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	5.5 kW
at AC-4 at 400 V rated value	4 kW
short-time withstand current in cold operating state up to 40 °C	
Ilimited to 1 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Ilimited to 5 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Iimited to 10 s switching at zero current maximum     Iimited to 20 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum     Iimited to 60 s switching at zero current maximum	Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum      Includes switching frequency.	Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency  • at AC	10 000 1/h
operating frequency at AC-1 maximum	1 000 1/h
Control circuit/ Control	1 000 1/11
type of voltage	AC
type of voltage type of voltage of the control supply voltage	AC
control supply voltage at AC	AU
• at 50 Hz rated value	110 V
at 60 Hz rated value     at 60 Hz rated value	110 V
operating range factor control supply voltage rated	110 V
value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	37 VA
● at 60 Hz	33 VA
indicative marriag factor with all also	
inductive power factor with closing power of the coil	
<ul> <li>at 50 Hz</li> </ul>	0.8
	0.8 0.75
• at 50 Hz	
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> </ul>	0.75 5.7 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	0.75
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> </ul>	0.75 5.7 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> apparent holding power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> inductive power factor with the holding power of the	0.75 5.7 VA 4.4 VA 0.25
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul>	0.75 5.7 VA 4.4 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing delay</li> </ul>	0.75  5.7 VA 4.4 VA  0.25 0.25
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing delay</li> <li>at AC</li> </ul>	0.75 5.7 VA 4.4 VA 0.25
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing delay</li> <li>at AC</li> <li>opening delay</li> </ul>	0.75  5.7 VA  4.4 VA  0.25  0.25  9 35 ms
at 50 Hz at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz at 60 Hz  inductive power factor with the holding power of the coil  at 50 Hz at 60 Hz  closing delay at AC  opening delay at AC	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms
at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 60 Hz closing delay at AC opening delay at AC arcing time	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms
at 50 Hz  at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  closing delay  at AC  opening delay  at AC  arcing time  control version of the switch operating mechanism	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms
at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 60 Hz closing delay at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms
at 50 Hz at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz at 60 Hz inductive power factor with the holding power of the coil  at 50 Hz at 60 Hz closing delay at AC opening delay at AC arcing time control version of the switch operating mechanism  Auxiliary circuit number of NC contacts for auxiliary contacts	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms Standard A1 - A2
at 50 Hz at 60 Hz  apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz at 60 Hz closing delay at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts attachable	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms
at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz closing delay at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts attachable number of NO contacts for auxiliary contacts	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms Standard A1 - A2
at 50 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz closing delay at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts attachable number of NO contacts for auxiliary contacts attachable	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms Standard A1 - A2
at 50 Hz at 60 Hz  apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz closing delay at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts attachable number of NO contacts for auxiliary contacts	0.75  5.7 VA 4.4 VA  0.25 0.25  9 35 ms  7 13 ms 10 15 ms Standard A1 - A2

design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35 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	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
<ul><li>side-by-side mounting</li></ul>	Yes
height	58 mm
width	45 mm
depth	73 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
— at the side Connections/ Terminals	6 mm
	6 mm
Connections/ Terminals  type of electrical connection  • for main current circuit	6 mm screw-type terminals
Connections/ Terminals type of electrical connection	
type of electrical connection  of for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts	screw-type terminals screw-type terminals Screw-type terminals
type of electrical connection  of for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts for magnet coil	screw-type terminals screw-type terminals
type of electrical connection  of for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts	screw-type terminals screw-type terminals Screw-type terminals
type of electrical connection  for main current circuit  for auxiliary and control circuit  at contactor for auxiliary contacts  of magnet coil	screw-type terminals screw-type terminals Screw-type terminals Screw-type 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 — solid	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
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 — solid — solid or stranded	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
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 — solid — solid or stranded — finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²)
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main	screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²)
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²) 2x (20 16), 2x (18 14), 2x 12
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  solid	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  solid • solid • solid or stranded	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  solid • solid • solid • solid or stranded • stranded	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm²
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  solid • solid • solid or stranded • finely stranded • finely stranded • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid • solid or stranded • stranded • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm²
type of electrical connection	screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  e solid • solid or stranded • stranded • finely stranded with core end processing  connectable conductor cross-section for main contacts  e solid • solid or stranded • stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded • finely stranded with core end processing	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm²
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts  solid • solid or stranded • 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	screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²
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 — solid — solid or stranded — 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  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	screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²
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 — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  connectable conductor cross-section for main contacts  • solid • solid or stranded • stranded • 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  type of connectable conductor cross-sections • for auxiliary contacts — solid	screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of electrical connection	screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of electrical connection	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
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 — solid — solid or stranded — 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  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	screw-type terminals screw-type terminals Screw-type terminals  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²)  2x (20 16), 2x (18 14), 2x 12  0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)

• for main contacts	20 12	
<ul> <li>for auxiliary contacts</li> </ul>	20 12	
Safety related data		
product function		
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes; with 3RH29	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Communication/ Protocol		
product function bus communication	No	
Certificates/ approvals		
General Product Approval		EMC



Confirmation









Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate



UK Declaration of Conformity Type Test Certificates/Test Report

Special Test Certificate



## Marine / Shipping















## other

Confirmation

Environmental Confirmations



## **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=3RT2317-1AF00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2317-1AF00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2317-1AF00

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

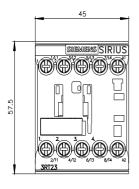
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2317-1AF00&lang=en

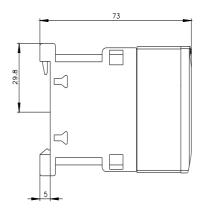
Characteristic: Tripping characteristics, I2t, Let-through current

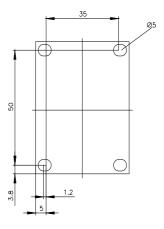
https://support.industry.siemens.com/cs/ww/en/ps/3RT2317-1AF00/char

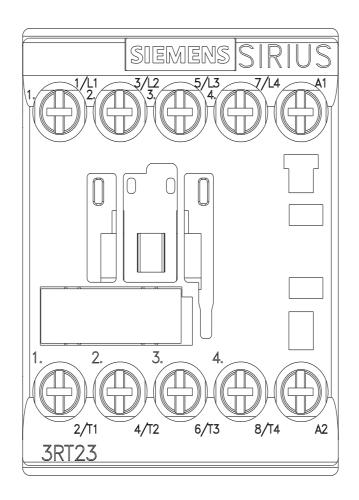
Further characteristics (e.g. electrical endurance, switching frequency)

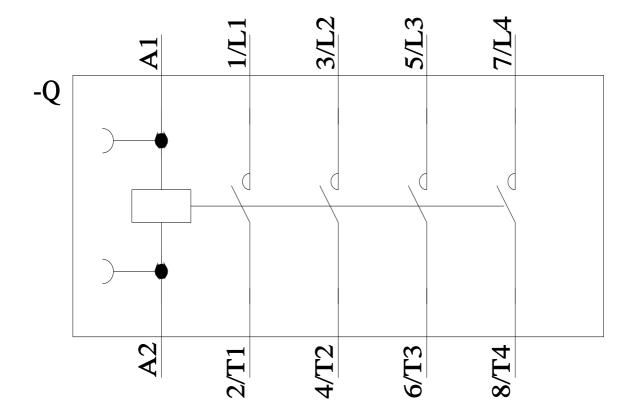
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2317-1AF00&objecttype=14&gridview=view1











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