## **SIEMENS**

Data sheet 3RT2317-1BB40



Contactor, AC-1, 22 A/400 V/40  $^{\circ}\text{C},$  S00, 4-pole, 24 V DC, 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
<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>	6.4 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.6 W
<ul> <li>without load current share typical</li> </ul>	4 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 DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	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</li> </ul>	22 A
rated value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C	22 A
rated value	20. 4
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	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	4 mm <sup>2</sup>
rated value	7 111111
operating power	
at AC-3 at 400 V rated value	5.5 kW
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	4 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
limited to 30 s switching at zero current maximum	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	10 000 1/h
operating frequency at AC-1 maximum	1 000 1/h
Control circuit/ Control	
type of voltage	DC
type of voltage type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
• full-scale value	1.1
closing power of magnet coil at DC	4 W
holding power of magnet coil at DC	4 W
closing delay	20 400 mg
• at DC	30 100 ms
opening delay	7. 40
• at DC	7 13 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
attachable	2
number of NO contacts for auxiliary contacts	
attachable	2
Short-circuit protection	
product function short circuit protection	No
design of the fuse link	
for short-circuit protection of the main circuit	
with type of coordination 1 required	gG: 35 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	gG: 10 A (690 V, 1 kA)
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
<ul> <li>side-by-side mounting</li> </ul>	Yes

width         45 mm           depth         73 mm           required spacing         73 mm           with side-by-side mounting         73 mm           — forwards         10 mm           — upwards         10 mm           — dornwards         10 mm           — for ground parts         10 mm           — upwards         10 mm           — upwards         10 mm           — for wards         10 mm           — upwards         10 mm           — for wards         10 mm           — forwards         10 mm           — for wards         10 mm           — upwards         10 mm           — for ward cornections         5 mm           • for main cornect circuit         screw-type terminals           ye of electrical connection         screw-type terminals           • for main corntacts         scre	height	58 mm
Fequired spacing   with side-by-side mounting   - forwards   10 mm   - forwards   10 mm   - forwards   10 mm   - forwards   - forwards   10 mm   - forwards   - forwards   10 mm   - forwards   - forwards   - forwards   10 mm   - forwards	-	45 mm
with side-by-side mounting		
with side-by-side mounting     — forwards     — upwards     — at the side     of orgrunded parts     — of forwards     — upwards     — of forwards     — at the side     — downwards     — of forwards     — of orwards     — of orwards     — of forwards     — of	required spacing	
- forwards - upwards - downwards - downwards - forwards - forwards - forwards - forwards - forwards - pupwards - upwards - upwards - upwards - the side - downwards - to mm - at the side - downwards - to mm - at the side - downwards - for five parts - forwards - forwards - forwards - forwards - forwards - forwards - towards		
- downwards		10 mm
- downwards - at the side • for grounded parts - forwards - upwards - at the side • for grounded parts - upwards - at the side • form - upwards - downwards • for live parts - forwards • for live parts - forwards • for live parts - forwards - upwards - downwards - upwards - at the side • for man - upwards - at the side • for man - upwards - at the side • for man - upwards - at the side • for man - upwards - at the side • for man - upwards - at the side • for man - upwards - at the side • for man - upwards - at the side • for auxiliary and control circuit • for mani contact for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - sinely 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 - 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 - finely s		10 mm
	·	10 mm
		0 mm
- forwards		
- at the side — downwards — 10 mm   - forwards — 10 mm   - forwards — 10 mm   - forwards — 10 mm   - downwards — 10 mm   - downwards — 10 mm   - at the side — 6 mm    Connections' Tominals  type of electrical connection   - for main current circuit	— forwards	10 mm
at the side downwards downwards downwards downwards downwards forwards forwards forwards downwards dow	— upwards	10 mm
• for live parts  - forwards - upwards - downwards - at the side  Connections' Terminals  type of electrical connection • for main current circuit • at contactor for auxiliary contacts • of major stranded - finely stranded with core end processing • solid or stranded • sinely 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 • 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 • 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 • 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  - solid or stranded • finely stranded with core end processing • at a tawG cables for auxiliary contacts  - solid or stranded • finely stranded with core end processing • at a tawG cables for auxiliary contacts  - solid or stranded • finely stranded with core end processing • at a tawG cables for auxiliary contacts  - solid or stranded • finely stranded with core end processing • at a tawG cables for auxiliary contacts  - solid or stranded • finely stranded with core end processing • at a tawG cables for auxiliary contacts  - solid or stranded • finely stranded with core end processing • at a tawG cables for auxiliary contacts  - solid or strand	·	6 mm
- forwards - upwards - 10 mm	— downwards	10 mm
- forwards - upwards - 10 mm	for live parts	
- downwards - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit screw-type terminals  • cor auxiliary and control circuit screw-type terminals  • at contactor for auxiliary contacts  • of magnet coil type of connectable conductor cross-sections  • for main contacts  - solid or stranded  - solid or stranded with core end processing  • solid or stranded  • solid or stranded  • solid or stranded  • 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 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 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 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 or stranded  - finely stranded with core end processing  • for auxiliary contacts  - solid or stranded	·	10 mm
- downwards - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit screw-type terminals  • cor auxiliary and control circuit screw-type terminals  • at contactor for auxiliary contacts  • of magnet coil type of connectable conductor cross-sections  • for main contacts  - solid or stranded  - solid or stranded with core end processing  • solid or stranded  • solid or stranded  • solid or stranded  • 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 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 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 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 or stranded  - finely stranded with core end processing  • for auxiliary contacts  - solid or stranded		
- at the side  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • 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 • solid or stranded • solid or stranded • 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 main 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 - 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 - 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 - solid or stranded - fi	·	
type of electrical connection  • for main current circuit  • at contactor for auxiliary and control circuit  • at contactor for auxiliary contacts  • for main 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  • 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 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  • solid or stranded  • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for main contacts  • for		
type of electrical connection  • for main current circuit  • at contactor for auxillary contacts  • at contactor for auxillary contacts  • of main connectable conductor cross-sections  • for main contacts  — solid  — solid or stranded — finely stranded with core end processing • stranded • solid or stranded • solid or stranded • sinely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • solid or stranded • solid or stranded • solid or stranded • stranded • finely stranded with core end processing • solid or stranded • stranded • finely stranded with core end processing • solid or stranded • 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 • 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 • 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 or stranded • finely stranded with core end processing • for main contacts • for main contact		
• 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 • 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 • 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 • 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  AWG number as coded connectable conductor cross-sections • for main contacts • for main contacts • for for main contacts • for for auxiliary contacts  Product function • mirror contact according to IEC 60947-4-1  Protection class IP on the front according to IEC 60529  finger-safe, for vertical contact from the front  Communication/ Protocol  product function bus communication  No		
of rauxiliary and control circuit     of magnet coil     type of connectable conductor cross-sections     of magnet coil     type of connectable conductor cross-sections     of main contacts         — solid or stranded         — finely stranded with core end processing     of solid or stranded     of solid or stranded     of solid or stranded or solid or stranded     of inely stranded with core end processing     of at AWC cables for main contacts     osolid or stranded     of solid or	<i>5.</i>	screw-type terminals
• 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 • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for auxililary contacts • solid or stranded • finely stranded with core end processing  type of connectable conductor cross-sections • for auxiliary contacts  — solid or stranded — finely stranded with core end processing  at AWG number as coded connectable conductor cross-sections • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • for main contacts • f		
type of connectable conductor cross-sections  • for main contacts  — solid — solid of stranded — finely stranded with core end processing • solid or stranded • solid or stranded • solid or stranded • finely stranded with core end processing • solid or stranded • solid or stranded • solid or stranded • finely stranded with core end processing • solid or stranded • solid or stranded • solid or stranded • sinely stranded with core end processing • solid or stranded • sinely stranded with core end processing • solid or stranded • sinely 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 — sinely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — sinely stranded with core end processing • for auxiliary contacts  — solid — solid or stranded — sinely stranded with core end processing • for auxiliary contacts  — solid — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — sinely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — sinely stranded with core end processing  • at AWG cables for auxiliary  • solid or stranded — sinely stranded with core end processing  • solid or stranded — sinely str	-	**
• for main contacts	-	
of or main contacts         solid         solid or stranded         solid or stranded         finely stranded with core end processing         • at AWG cables for main contacts         solid         solid or stranded         solid or stranded with core end processing         • at AWG cables for main contacts         solid         solid or stranded          solid or stranded          solid or stranded          solid or stranded          solid or stranded          solid or stranded          solid or stranded          solid or stranded		Out of the state o
solid solid or stranded solid or stranded solid or stranded with core end processing at AWG cables for main contacts solid or stranded solid solid or stranded solid or str		
- solid or stranded - finely stranded with core end processing • at AWG cables for main contacts  • solid • solid or stranded • stranded • stranded • stranded • stranded • finely stranded with core end processing • solid or stranded • solid or stranded • solid or stranded • stranded • stranded • stranded • 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 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 • at AWG cables for auxiliary contacts • for inely stranded with core end processing • at AWG cables for auxiliary contacts  • for main contacts • for auxiliary contacts • for au		2x (0.5
at AWG cables for main contacts at AWG cables for main contacts connectable conductor cross-section for main contacts a solid a solid or stranded a finely stranded with core end processing b solid or stranded a finely stranded b finely stranded a finely stranded with core end processing b solid or stranded b finely stranded b finely stranded c finely stranded b finely stranded b finely stranded c finely stranded c finely stranded b finely stranded c finely stranded with core end processing c at AWG cables for auxiliary contacts  at AWG cables for auxiliary contacts  b for amiliary contacts c for auxiliary contacts c for auxiliar		
connectable conductor cross-section for main contacts  solid solid solid finely 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 solid or strande solid or stranded solid or strande solid or		
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 - solid or stranded - finely stranded with core end processing 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) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x		
e solid solid or stranded		ZX (20 10), ZX (10 14), ZX 12
solid or stranded     solid or stranded     solid or stranded     solid or stranded     stranded     solid or strander     solid		
• 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 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  • at AWG cables for auxiliary contacts  • for main 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  20 12 • for auxiliary contacts  20 12  Safety related data  product function • mirror contact according to IEC 60947-4-1  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	• solid	0.5 4 mm²
finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts	<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
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 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), 2x 4 mm²  — 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  20 12  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts  20 12  Safety related data  product function • mirror contact according to IEC 60947-4-1  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	<ul><li>stranded</li></ul>	0.5 4 mm²
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 or stranded — solid or stranded or stranded — solid or stranded or stra	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
finely stranded with core end processing      type of connectable conductor cross-sections         • for auxiliary contacts	· · · · · · · · · · · · · · · · · · ·	
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 auxiliary contacts  • for auxiliary contacts  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)  2x (20 16), 2x (18 14), 2x 12   AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 12 • for auxiliary contacts  20 12  Safety related data  product function • mirror contact according to IEC 60947-4-1  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	<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
• for auxiliary contacts     — solid     — 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      • for auxiliary contacts  Safety related data  product function     • mirror contact according to IEC 60947-4-1  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  product function  No  No	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
- 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 aux	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  20 12 • for auxiliary contacts  product function • mirror contact according to IEC 60947-4-1  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection bus communication  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (20 16), 2x (18 14), 2x 12  2x (20 12  20 12  20 12  Yes; with 3RH29  IP20	<ul> <li>for auxiliary contacts</li> </ul>	
<ul> <li>— finely stranded with core end processing         <ul> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul> </li> <li>a for auxiliary contacts</li> <li>mirror contact according to IEC 60947-4-1</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>finger-safe, for vertical contact from the front Communication/ Protocol</li> <li>product function bus communication</li> </ul>	— solid	
at AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section      ofor main contacts     ofor auxiliary contacts      ofor auxiliary contacts      afety related data  product function     omirror contact according to IEC 60947-4-1  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection bus communication      at AWG cables for auxiliary contacts      20 12  20 12  Yes; with 3RH29  IP20  IP20  IP20  IP20  Inger-safe, for vertical contact from the front  Communication/ Protocol  Product function bus communication  No	<ul><li>— solid or stranded</li></ul>	
AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts 20 12 • for auxiliary contacts 20 12  Safety related data  product function • mirror contact according to IEC 60947-4-1  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  product function bus communication  No	<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 20 12  Safety related data  product function • mirror contact according to IEC 60947-4-1  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	-	2x (20 16), 2x (18 14), 2x 12
for auxiliary contacts     20 12  Safety related data  product function     mirror contact according to IEC 60947-4-1  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  product function bus communication  No		
product function		
product function	·	20 12
mirror contact according to IEC 60947-4-1      protection class IP on the front according to IEC 60529      touch protection on the front according to IEC 60529      touch protection Protocol      product function bus communication      No  Yes; with 3RH29  IP20  finger-safe, for vertical contact from the front  No	Safety related data	
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	•	
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front  Communication/ Protocol  product function bus communication No		Yes; with 3RH29
Communication/ Protocol product function bus communication No		IP20
product function bus communication No		finger-safe, for vertical contact from the front
•	Communication/ Protocol	
Certificates/ approvals	product function bus communication	No
	Certificates/ approvals	



Confirmation









**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

Dangerous Good

Environmental Confirmations Confirmation



<u>Transport Information</u>

## 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=3RT2317-1BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2317-1BB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2317-1BB40

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

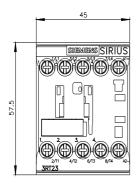
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2317-1BB40\&lang=en}}$ 

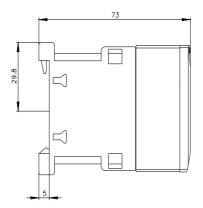
Characteristic: Tripping characteristics, I²t, Let-through current

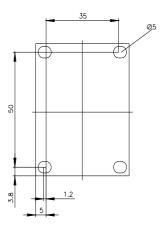
https://support.industry.siemens.com/cs/ww/en/ps/3RT2317-1BB40/char

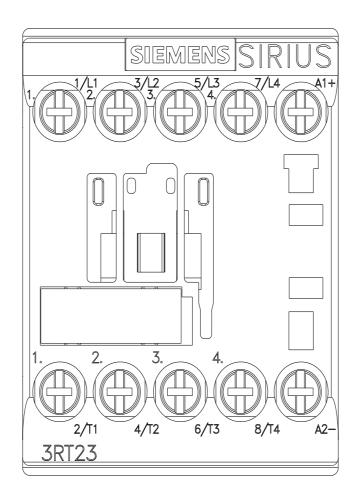
Further characteristics (e.g. electrical endurance, switching frequency)

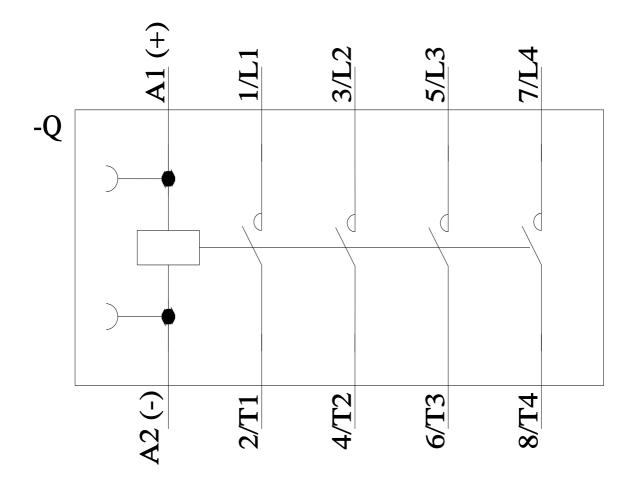
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2317-1BB40&objecttype=14&gridview=view1











last modified: 3/18/2022 🖸