SIEMENS

Data sheet 3RT2517-1BB40



power contactor, AC-3, 12 A, 5.5 kW / 400 V, 4-pole, 24 V DC, main contacts: 2 NO + 2 NC, screw terminal, size: S00 $\,$

product brand name	SIRIUS
product designation	contactor
product type designation	3RT25
General technical data	
size of contactor	S00
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state per pole 	0.5 W
 without load current share typical 	4 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
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 (operating cycles)	
 of contactor typical 	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.291 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-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 %
Environmental footprint	

Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	153 kg
Global Warming Potential [CO2 eq] during manufacturing	1.42 kg
Global Warming Potential [CO2 eq] during operation	152 kg
Global Warming Potential [CO2 eq] after end of life	-0.305 kg
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	2
number of NC contacts for main contacts	2
operational current	
■ at AC-1 up to 690 V	
 — at ambient temperature 40 °C rated value 	22 A
 — at ambient temperature 60 °C rated value 	20 A
• at AC-2 at AC-3 at 400 V	
per NO contact rated value	12 A
— per NC contact rated value	9 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm ²
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
 at 1 current path at DC-3 at DC-5 	
 — at 24 V per NC contact rated value 	20 A
 — at 24 V per NO contact rated value 	20 A
 — at 110 V per NC contact rated value 	0.075 A
 — at 110 V per NO contact rated value 	0.15 A
 — at 220 V per NC contact rated value 	0.375 A
 — at 220 V per NO contact rated value 	0.75 A
with 2 current paths in series at DC-3 at DC-5	
— at 24 V per NC contact rated value	20 A
— at 24 V per NO contact rated value	20 A
— at 110 V per NC contact rated value	0.175 A
— at 110 V per NO contact rated value	0.35 A
operating power at AC-2 at AC-3	2.2 MW
at 230 V per NC contact rated value at 230 V per NC contact rated value	2.2 kW 3 kW
 at 230 V per NO contact rated value at 400 V per NC contact rated value 	4 kW
at 400 V per NO contact rated value at 400 V per NO contact rated value	5.5 kW
short-time withstand current in cold operating state up to	0.0 KH
40 °C	
 limited to 1 s switching at zero current maximum 	125 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	123 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	96 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	74 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value
power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor	0.5 W
power loss [W] at AC-3e at 400 V for rated value of the operational current per conductor	0.5 W
no-load switching frequency	
• at AC	10 000 1/h
• at DC	10 000 1/h
operating frequency	4 000 4/1-
at AC-1 maximum	1 000 1/h

Control circuit/ Control	
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	
• at DC	30 100 ms
opening delay	
• at DC	7 13 ms
arcing time	10 15 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	0
number of NO contacts for auxiliary contacts instantaneous contact	0
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	10 A
at 400 V rated value	3 A
operational current at DC-12	
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	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 60 V rated value	2 A
at 110 V rated value	1 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
JL/CSA ratings	
yielded mechanical performance [hp]	O bra
• for single-phase AC motor at 230 V rated value	2 hp
for 3-phase AC motor at 460/480 V rated value contact rating of auxiliary contacts according to UL	5 hp A600 / Q600
Short-circuit protection	7000 / Q000
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 coordination 1 required with type of assignment 2 required	gG: 20A (690 V, 100 kA) gG: 20A (690V, 100kA)
with type of assignment 2 required for short-circuit protection of the auxiliary switch required	fuse gG: 10 A
Installation/ mounting/ dimensions	1400 90. 1071
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
feetoning method side by side according	backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022
height	57.5 mm
width	45 mm
depth	73 mm
required spacing	
with side-by-side mounting forwards	0 mm
— forwards — backwards	0 mm 0 mm
— upwards	0 mm
— υρνναιασ	V IIIIII

- at the side 0 mm • for grounded parts - forwards 0 mm - backwards 0 mm - upwards 0 mm • for live parts - downwards 0 mm • for live parts - forwards 0 mm • for live parts - forwards 0 mm • for live parts - forwards 0 mm - backwards 0 mm - upwards 0 mm - upwards 0 mm - downwards 0 mm - for auxiliary contacts screw-type terminals **type of electrical connection • for auxiliary and control circuit screw-type terminals **soft of magnet coil Screw-type terminals **yee of connectable conductor cross-sections for main contacts • solid or stranded 0 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **solid or stranded with core end processing 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 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 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 4 mm² **2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² **2x (0.5 1.5 mm		
• for grounded parts — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — upwards — for live parts — forwards — upwards — o mm — backwards — upwards — upwards — upwards — o mm — downwards — o mm — downwards — o mm — downwards — o mm — of arthe side — of mm — of main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • 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 faw Ground or trous according to IEC 60947-5-1 Safety related data product function • mirror contact according to IEC 60947-5-1 Selectical Safety protection class IP on the front according to IEC 60949 IP20	— downwards	0 mm
- forwards		0 mm
- backwards - upwards - at the side - downwards - for live parts - forwards - backwards - upwards - backwards - upwards - downwards - upwards - downwards - at the side - downwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • 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 type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts product function • mirror contact according to IEC 60947-5-1 • positively driven operation according to IEC 60947-5-1 Pyes; with 3RH29 protection class IP on the front according to IEC 60829 IP20		
- upwards - at the side - downwards - for live parts - forwards - backwards - backwards - upwards - downwards - at the side - formal current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary contacts - of magnet coil - solid or stranded - finely 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 - 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 - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - solid or str		
- at the side - downwards onm onm onm Connections/ Terminals type of electrical connection of main current circuit of main current circuit on main contacts on magnet coil yet of connectable conductor cross-sections for main contacts on magnet coil yet of connectable conductor cross-sections for main contacts ond or stranded one of the stranded with core end processing one of connectable conductor cross-sections on auxiliary contacts on auxiliar	— backwards	0 mm
of rilive parts	— upwards	0 mm
• for live parts - forwards - backwards - upwards - downwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current for auxiliary contacts • solid • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or MWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - solid or stranded	— at the side	6 mm
- forwards - backwards - upwards - upwards - downwards - at the side Connections/Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing - solid - solid or stranded - finely stranded with core end processing - solid or stranded - solid or strand	— downwards	0 mm
backwards upwards downwards downwards at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing solid or stranded solid or st	for live parts	
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary and control circuit • at contactor for auxiliary contacts • solid • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid - solid or stranded - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts • solid - solid or stranded - finely stranded with core end processing - solid or stranded - solid or strander - solid or solid or solid strander - solid or solid strander - solid solid strander - solid solid	— forwards	0 mm
- downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • 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 - solid or strander - solid	— backwards	0 mm
- at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals • solid Screw-type terminals • solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² • solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² • solid or stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts - solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0	— upwards	0 mm
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 • for auxiliary contacts • solid 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 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-8-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20	— downwards	0 mm
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 • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • finely stranded with core end processing • for auxiliary contacts • solid - solid - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.	— at the side	6 mm
 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Screw-type terminals of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts solid solid or stranded solid or stranded with core end processing finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts solid or stranded finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² x (0	Connections/ Terminals	
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 at contactor for auxiliary contacts of magnet coil screw-type terminals type of connectable conductor cross-sections for main contacts solid solid or stranded solid or stranded with core end processing finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded 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 connectable conductor cross-sections for auxiliary contacts solid or stranded mirpl stranded with core end processing for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts a WG number as coded connectable conductor cross section for main contacts Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20 	for main current circuit	screw-type terminals
• of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • solid or stranded (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) type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - solid or stranded (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 (0.75 2.5 mm²), 2x (0.75 2.5 mm²), 2x (for auxiliary and control circuit 	screw-type terminals
type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — solid or stranded • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20	 at contactor for auxiliary contacts 	Screw-type terminals
 solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 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 — finely stranded with core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function mirror contact according to IEC 60947-4-1 — positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20 	of magnet coil	Screw-type terminals
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 — solid or stranded — solid or stranded — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20	type of connectable conductor cross-sections for main contacts	
• 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 • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60529 P(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 20 12	• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20	 solid or stranded 	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
• for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 Page 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 (20 16), 2x (18 14), 2x 12 20 12	 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
- solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 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 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² - for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12 AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 Yes; with 3RH29 • positively driven operation according to IEC 60947-5-1 No Electrical Safety protection class IP on the front according to IEC 60529 IP20	type of connectable conductor cross-sections	
— solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 20 12 Yes; with 3RH29 No	 for auxiliary contacts 	
— finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12 20 12 Yes; with 3RH29 No	— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
◆ for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts Safety related data product function ◆ mirror contact according to IEC 60947-4-1 ◆ positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 Yes; with 3RH29 No	— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
AWG number as coded connectable conductor cross section for main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 Yes; with 3RH29 • positively driven operation according to IEC 60947-5-1 No Electrical Safety protection class IP on the front according to IEC 60529 IP20	 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
main contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20	 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 2x 12
product function		20 12
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20 	Safety related data	
positively driven operation according to IEC 60947-5-1 Electrical Safety protection class IP on the front according to IEC 60529 IP20	product function	
Electrical Safety protection class IP on the front according to IEC 60529 IP20	 mirror contact according to IEC 60947-4-1 	Yes; with 3RH29
protection class IP on the front according to IEC 60529 IP20	 positively driven operation according to IEC 60947-5-1 	No
	Electrical Safety	
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	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

Approvals Certificates General Product Approval







Confirmation





EMV Test Certificates Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping other









Miscellaneous

Confirmation

Railway

Dangerous goods

Environment

Special Test Certificate

Transport Information



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2517-1BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2517-1BB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2517-1BB40

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

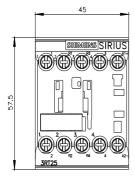
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2517-1BB40&lang=en

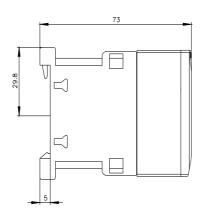
Characteristic: Tripping characteristics, I2t, Let-through current

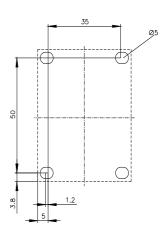
https://support.industry.siemens.com/cs/ww/en/ps/3RT2517-1BB40/char

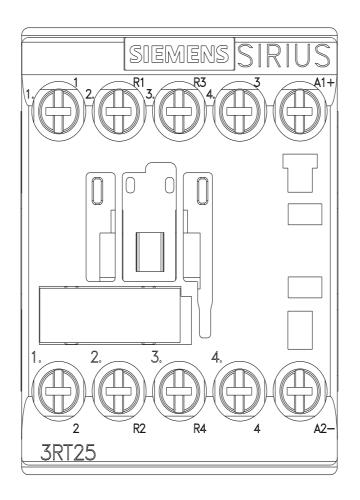
Further characteristics (e.g. electrical endurance, switching frequency)

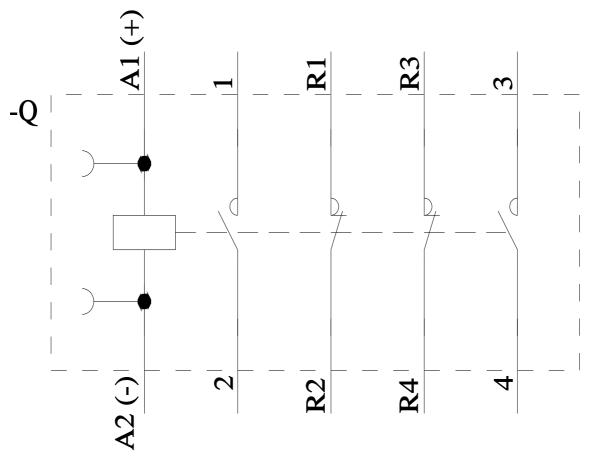
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2517-1BB40&objecttype=14&gridview=view1











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