## **SIEMENS**

Data sheet 3RT2517-2AK60



power contactor, AC-3, 12 A, 5.5 kW / 400 V, 4-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, main contacts: 2 NO + 2 NC, spring-loaded terminal, size: S00

product brand name	SIRIUS	
product designation	contactor	
product type designation	3RT25	
General technical data		
size of contactor	S00	
product extension		
<ul> <li>function module for communication</li> </ul>	No	
auxiliary switch	Yes	
insulation voltage		
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V	
<ul> <li>of auxiliary 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	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V	
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 (operating cycles)		
<ul> <li>of contactor typical</li> </ul>	30 000 000	
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000	
<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	2	
number of NC contacts for main contacts	2	
operational current		
• at AC-1 up to 690 V		

at amphiant towns are turn 40 °C rated value	22.4
— 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	40.4
— 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 mm²
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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— 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	00.4
— 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 centest reted value.	20. A
— at 24 V per NO contact rated value	20 A 20 A
<ul> <li>— at 24 V per NO contact rated value</li> <li>— at 110 V per NC contact rated value</li> </ul>	0.175 A
— at 110 V per NO contact rated value	0.35 A
operating power at AC-2 at AC-3	0.00 A
at 230 V per NC contact rated value	2.2 kW
at 230 V per NO contact rated value	3 kW
at 400 V per NC contact rated value	4 kW
at 400 V per NO contact rated value	5.5 kW
short-time withstand current in cold operating state up to 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
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	74 A; Use minimum cross-section acc. to AC-1 rated value
Iimited 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	1.2 W
no-load switching frequency	
• at AC	10 000 1/h
• at DC	10 000 1/h
operating frequency  ■ at AC-1 maximum	1 000 1/h
Control circuit/ Control	1000 1111
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	110 V
at 60 Hz rated value	120 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	43 VA
• at 50 Hz	43 VA
• at 60 Hz	43 VA

• at 50 Hz	0.77
• at 60 Hz	0.77
apparent holding power of magnet coil at AC	6.5 VA
• at 50 Hz	6.5 VA
• at 60 Hz	6.5 VA
inductive power factor with the holding power of the coil	0.25
• at 50 Hz	0.25
• at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
residual current of the electronics for control with signal	
<0>	0.004.4
at AC at 230 V maximum permissible	0.004 A
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous	0
contacts	
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)
UL/CSA ratings	
yielded mechanical performance [hp]  • for single-phase AC motor at 230 V rated value	2 hn
for 3-phase AC motor at 460/480 V rated value	2 hp 5 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	7,000 / 2000
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: 20A (690V, 100kA)
for short-circuit protection of the auxiliary switch required	fuse gG: 10 A
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
factoring mathed	backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes
side-by-side mounting	Yes 70 mm
height	
width	45 mm
depth required spacing	73 mm
<ul><li>with side-by-side mounting</li><li>forwards</li></ul>	0 mm

- backwards 0 mm		
downwards at the side on mm or the side of regrounded parts forwards of mm or owards of mm owards owa		
- at the side  • for grounded parts  - bordwards  - backwards  - upwards  - at the side  - downwards  • for live parts  - forwards  - backwards  - downwards  • for live parts  - forwards  - backwards  - backwards  - backwards  - backwards  - upwards  - downwards  - downwards  - downwards  - downwards  - downwards  - doff main current circuit  • for main current circuit  • for main current 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  • finely stranded without core end processing  - finely stranded without core end processing  - finely stranded without core end processing  - finely stranded with core end processing  - finely stranded without core end processing  - finely stranded with core end processing  - finely stranded without core end processing  - finely stranded with core end processing  - finely stranded without cor	•	
for grounded parts     forwards		
- forwards		0 mm
backwards upwards upwards dithe side downwards for live parts for live parts forwards backwards upwards backwards upwards upwards upwards downwards downwards downwards downwards downwards at the side formal current circuit for auxiliary and control circuit for auxiliary and control circuit of or auxiliary contacts of magnet coil solid or stranded solid or stranded finely stranded with core end processing finely stranded with core end processing solid solid or stranded finely stranded with core end processing finely stranded without	-	
- upwards - at the side - downwards • for live parts - forwards • for live parts - forwards - backwards - upwards - downwards - at the side - downwards - downwards - at the side - for man - downwards - at the side - for man - downwards - at the side - for man current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary contacts • of magnet coil  Uppe of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • for auxiliary contacts - solid - solid or stranded • finely stranded without core end processing • for auxiliary contacts - solid - solid or stranded - solid or strande - solid or strande - solid o	— forwards	0 mm
- at the side - downwards 0 mm  for live parts - forwards 0 mm  - backwards 0 mm  - upwards 0 mm  - downwards 0 mm  - downwards 0 mm  - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals  • at contactor for auxiliary and control circuit spring-loaded terminals  • at contactor for auxiliary contacts Spring-lype terminals  • of magnet coil Spring-lype terminals  • of magnet coil Spring-lype terminals  • solid solid or stranded  • finely stranded with core end processing 2x (0.5 4 mm²)  • finely stranded without core end processing 2x (0.5 2.5 mm²)  type of connectable conductor cross-sections  • for auxiliary contacts  - solid 2x (0.5 2.5 mm²)  type of connectable conductor cross-sections  • for auxiliary contacts  - solid 2x (0.5 4 mm²)  2x (0.5 2.5 mm²)  type of connectable conductor cross-sections  • for auxiliary contacts  - solid 2x (0.5 4 mm²)  2x (0.5 2.5 mm²)  type of connectable conductor cross-sections  • for auxiliary contacts  - solid 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 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 60947-5-1 No  11 value for proof test interval or service life according to IEC 60529  protection class IP on the front according to IEC 60529  protection on the front according to IEC 60529  for the formation of the front according to IEC 60529  formation of the front according to IEC 60529  formation of the front according to IEC 60529  finely sprovals	— backwards	0 mm
- downwards - for live parts - forwards - backwards - upwards - downwards - downwards - at the side - at the side - for auxilian contection - for main current circuit - for auxiliany and control circuit - of magnet coil  type of connectable conductor cross-sections for main contacts - solid - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded with our end processing - finely stranded without core end processing - finely stranded with core end processing - finely stranded without core end processing - for AWG cables for auxiliany contacts - Softy related data - finely stranded connectable conductor cross section for main contacts - Softy related data - finely stranded connectable conductor cross section for main contacts - Softy related data - finely stranded vithout core end processing - for AWG cables for auxiliany contacts - Softy related data - Finely stranded vithout core end processing - for AWG authers as coded connectable conductor cross section for main contacts - Softy related data - Finely stranded vithout core end processing - finely stranded vithout core end processing - for AWG authers as coded connectable conductor cross section for main contacts - Softy related data - Finely stranded vithout core end processing - finely stranded vithout according to IEC 60947-5-1 - No - Type of test interval or service life according to IEC 60947-5-1 - No - Type of test interval or service life according to IEC 60947-5-1 - No - Type of test inter	·	
For live parts     Forwards     Forwar	— at the side	6 mm
- fowards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm - at the side 6 mm  Connections/ Terminals  Type of electrical connection • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil spring-loaded terminals • spring-loaded terminal	— downwards	0 mm
backwards upwards downwards at the side	• for live parts	
- upwards - downwards - d 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 • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  - solid - solid or stranded • finely stranded without 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 AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section for main contacts  AWG number as coded connectable conductor cross section for main contacts  - product function • mirror contact according to IEC 60947-8-1 • positively driven operation according to IEC 60947-5-1  T1 value for proof test interval or service life according to IEC 60529  touch protection on the front according to IEC 60529  touch protection 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	— forwards	0 mm
- downwards - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-type terminals • of magnet coil Spring-type terminals • solid stranded 2x (0.5 4 mm²) • solid or stranded 2x (0.5 4 mm²) • finely stranded with core end processing 2x (0.5 2.5 mm²) • finely stranded without core end processing 2x (0.5 2.5 mm²) • for auxiliary contacts  - solid 2x (0.5 4 mm²) • finely stranded with core end processing 2x (0.5 2.5 mm²) • for auxiliary contacts  - solid 2x (0.5 4 mm²)  - solid or stranded 2x (0.5 4 mm²)  - solid or stranded 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 2x (0.5 2.5 mm²)  - finely stra	— backwards	0 mm
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  • finely stranded with core end processing  • for auxiliary contacts  • solid  - solid or stranded  - 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  - finely stranded with core end processing  - finely stranded without core end processing  - solid or stranded  - solid or strander  - sol	— upwards	0 mm
type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coll  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  • solid  • solid or stranded  • finely stranded without core end processing  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for succession solid  • finely stranded without core end processing  • for succession solid  • for auxiliary contacts  - solid  - solid or stranded  - finely stranded without core end processing  • for auxiliary contacts  - solid  - solid or stranded  - finely stranded without core end processing  • for auxiliary contacts  - solid  - solid or stranded  - finely stranded without core end processing  - solid or stranded  - finely stranded without core end processing  - solid or stranded  - finely stranded without core end processing  - solid or stranded  - finely stranded without core end processing  - solid or stranded  - finely stranded without core end processing  - solid or stranded  - solid or st	— 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  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  • solid  — solid or stranded  • finely stranded without core end processing  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  — solid  — solid or stranded  — finely stranded with core end processing  • for AWG cables for auxiliary contacts  AWG camber as coded connectable conductor cross section for main contacts  AWG number as coded connectable conductor cross section for main contacts  Safety related data  product function  • mirror contact according to IEC 60947-5-1  T i value for proof test interval or service life according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front Cortacts  Spring-loaded terminals  spring-loade	— at the side	6 mm
• 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      • finely stranded with core end processing     • for auxiliary contacts      • solid      • solid or stranded      • finely stranded with core end processing     • for auxiliary contacts      • for auxiliary contacts      • finely stranded with core end processing     • for AWC cables for auxiliary contacts      • solid or stranded      • for AWC cables for auxiliary contacts      • for AWC cables for auxiliary contacts      • solid solid or stranded      • solid or stranded with core end processing     • for auxiliary contacts      • solid or stranded      • solid or stranded with core end processing     • finely stranded with core end processing     • for auxiliary contacts      • solid or stranded      • solid or stranded with core end processing      • for auxiliary contacts      • solid or stranded	Connections/ Terminals	
• 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     • finely stranded without core end processing     • for auxiliary contacts      • solid     • solid or stranded without core end processing     • finely stranded without core end processing     • for auxiliary contacts     • solid     • solid or stranded     • finely stranded without core end processing     • for auxiliary contacts      • solid     • solid or stranded     • solid or stranded     • solid or stranded     • finely stranded with core end processing     • finely stranded without core end processing     • finely stranded without 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  T1 value for proof test interval or service life according to IEC 60529  protection class IP on the front according to IEC 60529  finger-safe, for vertical contact from the front Cortact front the front Cortact approvals	type of electrical connection	
at contactor for auxiliary contacts of magnet coil  type of connectable conductor cross-sections for main contacts solid solid or stranded finely stranded with core end processing finely stranded without core end processing for auxiliary contacts  - solid - solid or stranded - finely stranded without core end processing for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing  - solid - solid or stranded - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing - with mm² - finely stranded without core end processing - with mm² - finely stranded without core end processing - with mm²	<ul> <li>for main current circuit</li> </ul>	spring-loaded terminals
of magnet coil      type of connectable conductor cross-sections for main contacts     osolid	<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals
type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  — solid  — solid or stranded  • for auxiliary contacts  — solid  — solid or stranded  — solid or stranded with core end processing  — finely stranded with core end processing  — finely stranded without 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  T1 value for proof test interval or service life according to IEC 60529  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  Certificates/approvals	<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals
solid     solid or stranded     solid or stranded     inely stranded with core end processing     inely stranded without core end processing     inely stranded with core end processing     inely stranded without core end processing     inely stranded     inely stranded without core end processing	of magnet coil	Spring-type terminals
solid or stranded     finely stranded with core end processing     finely stranded without core end processing     finely stranded without 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     — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded without core end processing     — for AWG cables for auxiliary contacts     2x (0.5 2.5 mm²)     • for AWG cables for auxiliary contacts     2x (0.5 2.5 mm²)     • for 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     No  T1 value for proof test interval or service life according to IEC 60529  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  Certificates/ approvals	type of connectable conductor cross-sections for main contacts	
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG number as coded connectable conductor cross section for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (20 12)</li> </ul> AWG number as coded connectable conductor cross section for main contacts Safety related data product function <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> <li>No</li> </ul> T1 value for proof test interval or service life according to IEC 60529 truck protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals	• solid	2x (0.5 4 mm²)
• finely stranded without core end processing     type of connectable conductor cross-sections     • for auxiliary contacts	<ul> <li>solid or stranded</li> </ul>	2x (0,5 4 mm²)
type of connectable conductor cross-sections  • for auxiliary contacts  — solid — solid or stranded — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — finely stranded without 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  T1 value for proof test interval or service life according to IEC 60529  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  Certificates/ approvals	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)
• for auxiliary contacts     — solid     — solid or stranded     — solid or stranded     — finely stranded with core end processing     — finely stranded without core end processing     — for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section for main contacts  Safety rolated data  product function     • mirror contact according to IEC 60947-4-1     • positively driven operation according to IEC 60947-5-1  No  T1 value for proof test interval or service life according to IEC 60529  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  Certificates/ approvals	finely stranded without core end processing	2x (0.5 2.5 mm²)
- solid 2x (0.5 4 mm²) - solid or stranded 2x (0,5 4 mm²) - finely stranded with core end processing 2x (0.5 2.5 mm²) - finely stranded without core end processing 2x (0.5 2.5 mm²) - finely stranded without core end processing 2x (0.5 2.5 mm²)  • for AWG cables for auxiliary contacts 2x (20 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  T1 value for proof test interval or service life according to IEC 61508  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  Certificates/ approvals	type of connectable conductor cross-sections	
- solid or stranded - finely stranded with core end processing - finely stranded with core end processing - finely stranded without core end processing • for AWG cables for auxiliary contacts  2x (0.5 2.5 mm²)  2x (0.5 2.5 mm²)  2x (20 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 • positively driven operation according to IEC 60947-5-1  T1 value for proof test interval or service life according to IEC 60529  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 Cortificates/ approvals	for auxiliary contacts	
- finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - for AWG cables for auxiliary contacts  2x (0.5 2.5 mm²)  2x (20 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 - positively driven operation according to IEC 60947-5-1  T1 value for proof test interval or service life according to IEC 60529  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  Certificates/ approvals	— solid	2x (0.5 4 mm²)
— finely stranded without 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  T1 value for proof test interval or service life according to IEC 20 a  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  Certificates/ approvals	— solid or stranded	2x (0,5 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     No  T1 value for proof test interval or service life according to IEC 20 a  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  Certificates/ approvals	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 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  • positively driven operation according to IEC 60947-5-1  T1 value for proof test interval or service life according to IEC 60529  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 Certificates/ approvals	<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 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  T1 value for proof test interval or service life according to IEC 60529  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  Certificates/ approvals	for AWG cables for auxiliary contacts	2x (20 12)
product function		20 12
mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1     No  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front Certificates/ approvals  Pes; with 3RH29  No  1P20  IP20  finger-safe, for vertical contact from the front  Certificates/ approvals	Safety related data	
positively driven operation according to IEC 60947-5-1     No  T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front Certificates/ approvals	product function	
T1 value for proof test interval or service life according to IEC 61508  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front  Certificates/ approvals		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 Certificates/ approvals		No
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front  Certificates/ approvals		20 a
Certificates/ approvals	protection class IP on the front according to IEC 60529	IP20
		finger-safe, for vertical contact from the front
General Product Approval EMC	Certificates/ approvals	
	General Product Approval	EMC

Confirmation









Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



## Marine / Shipping













other

Railway

Environment

Confirmation



Vibration and Shock

Environmental Confirmations

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2517-2AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2517-2AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2517-2AK60

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

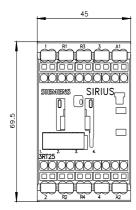
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2517-2AK60&lang=en

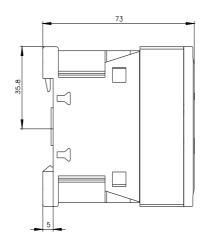
Characteristic: Tripping characteristics, I2t, Let-through current

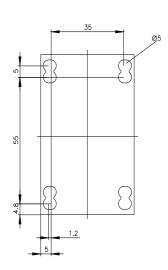
https://support.industry.siemens.com/cs/ww/en/ps/3RT2517-2AK60/char

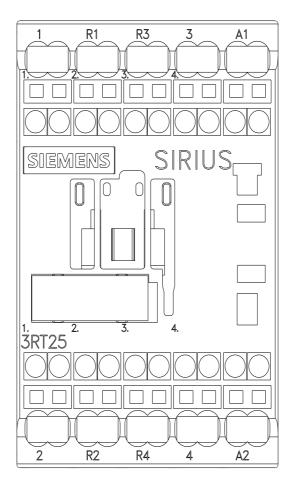
Further characteristics (e.g. electrical endurance, switching frequency)

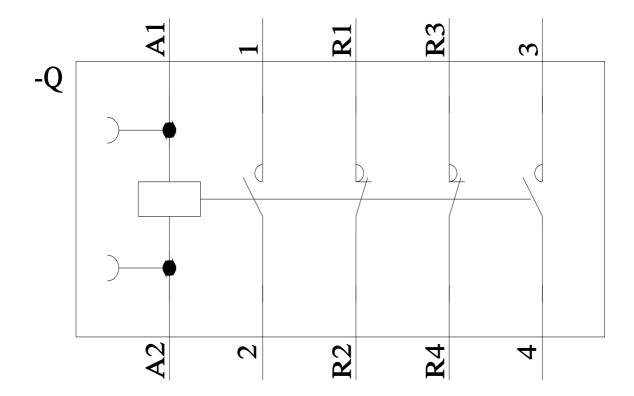
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2517-2AK60&objecttype=14&gridview=view1











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