SIEMENS

Data sheet

product brand name

3RT2026-2AK60-1AA0

power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 110 V AC, 50 Hz, 120 V, 60 Hz, 3-pole, Size S0, Spring-type terminal upright mounting position

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
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 	5.7 W
 at AC in hot operating state per pole 	1.9 W
 without load current share typical 	10.5 W
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 safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 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
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 %

SIRIUS

number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C	40 A
rated value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C	40 A
rated value	
— up to 690 V at ambient temperature 60 °C	35 A
rated value	
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
 at AC-4 at 400 V rated value 	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated	20.2 A
value	
— up to 400 V for current peak value n=20 rated	20.2 A
value	
— up to 500 V for current peak value n=20 rated	20.2 A
value	
— up to 690 V for current peak value n=20 rated	12.9 A
value	
• at AC-6a	40.5 A
 up to 230 V for current peak value n=30 rated value 	13.5 A
— up to 400 V for current peak value n=30 rated	13.5 A
value	10.071
— up to 500 V for current peak value n=30 rated	13.5 A
value	
— up to 690 V for current peak value n=30 rated	13 A
value	
minimum cross-section in main circuit at maximum AC-1	10 mm²
rated value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	9 A
at 400 V rated value at 690 V rated value	9 A
operational current	O A
•	
at 1 current path at DC-1 at 24 V rated value.	25.4
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	

— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
at AC-2 at 400 V rated value	11 kW
• at AC-3	11 80
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 400 V rated value — at 500 V rated value	11 kW
— at 690 V rated value	11 kW
at AC-3e	1 1 KVV
■ at AC-3e — at 230 V rated value	5.5 kW
— at 230 V rated value — at 400 V rated value	5.5 KW 11 kW
— at 400 V rated value — at 500 V rated value	11 kW
— at 500 V rated value — at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-4	TTKW
at 400 V rated value	4.4 kW
at 690 V rated value	7.7 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	8 kVA
• up to 400 V for current peak value n=20 rated value	13.9 kVA
• up to 500 V for current peak value n=20 rated value	17.4 kVA
• up to 690 V for current peak value n=20 rated value	15.4 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	5.3 kVA
• up to 400 V for current peak value n=30 rated value	9.3 kVA
• up to 500 V for current peak value n=30 rated value	11.6 kVA
• up to 690 V for current peak value n=30 rated value	15.5 kVA
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	375 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	299 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	128 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	106 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
ACTIO E INGAINMIN	. 00

- at AC 2 magazinesuma	750.4/b
• at AC-3 maximum	750 1/h
 at AC-3e maximum at AC-4 maximum 	750 1/h 250 1/h
	250 1/11
Control circuit/ Control	A.O.
type of voltage of the control supply voltage	AC
control supply voltage at AC	440.1/
 at 50 Hz rated value at 60 Hz rated value 	110 V 120 V
operating range factor control supply voltage rated	120 V
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	
● at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	40.5.1/4
• at 50 Hz	10.5 VA 8.5 VA
• at 60 Hz	8.9 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	4
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NC contacts for auxiliary contacts	1
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	1 10 A 10 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1 10 A 10 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	1 10 A 10 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	1 10 A 10 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	1 10 A 10 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value	1 10 A 10 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 64 V rated value • at 65 V rated value • at 67 V rated value • at 67 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 410 V rated value • at 410 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 2 A 1 A 10 A 2 A 2 A 1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 29 V rated value • at 20 V rated value • at 20 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 60 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A

• # £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	a at 400 \/ rated value	24 A
yielded mechanical performance (hp) • for single-phase AC motor — at 1101/20 V rated value — at 200/208 V rated value — at 575/600 V rated value — with type of coordination 1 required statistical mounting dimensions mounting position standing method screw and snap-on mounting surface screw and snap-on mounting on 35 mm standard mounting rail according to DIN EN 80715 Yes with side-by-side mounting — forwards — upwards — of mounting — forwards — of ownwards — of mounting — of words — of mounting —	at 480 V rated value at 600 V rated value	21 A
• For single-phase AC motor — at 107/20 V rated value — at 220/230 V rated value — at 57/5600 V rated value — with type of contact according to UL Short-circuit protection design of the fuse link — with type of assignment 2 required — side-by-aide mounting — side-by-aide mounting — with side-by-aide mounting — with side-by-aide mounting — with side-by-aide mounting — of ownwards — upwards — downwards — of man contact — so for it was a required according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to DIN EN 007 15 — of manual according to D		22 A
at 1101/20 V rated value		
at 230 V rated value • for 3-phase AC motor at 200/280 V rated value at 220/230 V rated value at 420/480 V rated value at 420/480 V rated value at 575/6800 V rated value with type of coordination of the main circuit with type of coordination 1 required with type of assignment 2 required solid with type of assignment 2 required with type of assignment 2 requir		2 ha
of 3-phase AC motor		·
at 200/208 V rated value		з пр
- at 220/230 V rated value - at 457/900 V rated value 20 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required while type of coordination 1 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch e size of short switch switc	·	F.L.
at 490/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link with type of coordination 1 required with type of assignment 2 required side-by-side mounting side-by-side mounting with side-by-side moun		
- at 575/600 V rated value 20 hp Contact rating of auxillary contacts according to UL Short-Circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • side-by-side mounting/ dimensions mounting position fastening method • side-by-side mounting • side-by-side mounting • with side-by-side mounting • of regrounded parts — forwards — downwards — at the side — downwards — at the side — downwards — of rome grounded parts — forwards — ownwards — ownwards — of or grounded parts — forwards — ownwards — of or main current circuit • for auxiliary and control circuit • of or auxiliary and control circuit • of magnet coil type of connectable conductor cross-sections • of mely stranded with out core end processing — finely stranded without core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts		·
contact rating of auxiliary contacts according to UL Shore-circuit protection design of the fuse link		
Short-circuit protection design of the fuse link		·
design of the fuse link		A600 / P600
• for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position • side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • ownwards — upwards — upwards — of organided parts — forwards — at the side — of organided parts — forwards — of live parts — forwards — upwards • for live parts — forwards — upwards — the side — downwards • for live parts — forwards — upwards — townwards • for live parts — forwards — upwards — townwards • for live parts — forwards — the side — downwards • for live parts — forwards — the side — downwards • for live parts — forwards — the side — downwards • for live parts — forwards — the side — downwards • for live parts — forwards — the side — downwards • for live parts — forwards — of main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for for main current circuit • for formalic current circuit •		
with type of coordination 1 required V, 80 kA) (30 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (410 V, 80 kA)		
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • ownwards • upwards • for orwards • for forgounded parts • forwards • at the side • downwards • of for gounded parts • forwards • at the side • downwards • of main current circuit • for for alian current circuit • for main current circuit • for an an current circuit • of or an an current circuit • of main current circuit • for main current circuit • for main current circuit • at contactor for auxiliary contacts • for main contacts • solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor		
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position • side-by-side mounting • with side-by-side mounting • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side • for min contacts - to main current circuit • for main current circuit • for main current circuit • of magnet coil • for main contacts - solid - solid or stranded • for main contacts - solid - solid or stranded - finely stranded without core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts connections: connections: connectic content content content content content content content c	 — with type of coordination 1 required 	V, 80 kA)
required mounting position statening method side-by-side mounting indight side-by-side mounting and according to DIN EN 60715 Yes Indight Indight Yes Indight	 — with type of assignment 2 required 	
mounting position standing, on horizontal mounting surface fastering method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 height 102 mm width 45 mm depth 97 mm required spacing 10 mm e with side-by-side mounting 10 mm - powards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - for grounded parts 10 mm - for grounded parts 10 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - for live parts 10 mm - for live parts 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Torninals 5 pring-loaded terminals type of electrical connection 5 pring-loaded terminals of main current circuit 5 pring-loaded terminals		gG: 10 A (500 V, 1 kA)
Sestening method	Installation/ mounting/ dimensions	
• side-by-side mounting • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — 10 mm • for live parts — forwards — to mm • for live parts — forwards — upwards — to mm • for live parts — forwards — upwards — to mm • for live parts — forwards — upwards — to mm • for live parts — forwards — upwards — upwards — upwards — upwards — downwards — to mm • for live parts — forwards — upwards — upwards — to mm • for live parts — forwards — upwards — odonneards — odonneards — of main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of econnectable conductor cross-sections • for main contacts — solid — solid of stranded — finely stranded without core end processing — finely stranded without core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts	mounting position	standing, on horizontal mounting surface
e side-by-side mounting height height dopth dopth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards — 10 mm — at the side — downwards — 10 mm • for five parts — forwards — 10 mm • for live parts — forwards — 10 mm • for live parts — forwards — upwards — upwards — upwards — 10 mm • for live parts — forwards — 10 mm — the side — downwards — 10 mm • for live parts — forwards — upwards — upwards — 10 mm • for main current circuit — 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 without core end processing — finely stranded without core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts	fastening method	
Neight width 45 mm 45 mm 45 mm 97 mm		· ·
width 45 mm depth 97 mm required spacing with side-by-side mounting — forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm — for grounded parts 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm — for live parts 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm Connections/ Terminals 10 mm type of electrical connection 6 mm Connections/ Terminals spring-loaded terminals type of enumber of auxiliary and control circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • for agenet coil Spring-type terminals type of connectable conductor cross-sections • for main contacts — solid 2x (1 10 mm²) — solid or stranded 2x (1 10 mm²) — finely stranded with core end processing 2x (1 6 mm²) — finely stranded without core end processing 2x (1 6 mm²) — finely stranded without core end processing 2x (1 6 mm²) — finely stranded without cor		
depth 97 mm required spacing • with side-by-side mounting — forwards 10 mm		
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side — for grounded parts — forwards — upwards — upwards — upwards — upwards — at the side — downwards — 10 mm — downwards — at the side — downwards — 10 mm — for live parts — forwards — upwards — for live parts — forwards — upwards — 10 mm — downwards — 10 mm — downwards — upwards — 10 mm — at the side — downwards — upwards — 10 mm — of main current circuit — for auxiliary and control circuit — for auxiliary and control circuit — so for main contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — at AWG cables for main contacts connectable conductor cross-section for main contacts		
with side-by-side mounting — forwards — upwards — downwards — at the side — of or grounded parts — forwards — upwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — 10 mm — at the side — downwards — 10 mm — of or live parts — for live parts — forwards — upwards — upwards — upwards — upwards — downwards — at the side — for main current circuit — for auxiliary and control circuit — for auxiliary and control circuit — of or auxiliary and control circuit — for main current 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 without core end processing — at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts end 10 mm 2 mm 2 x (1 10 mm²) 2 x (1 6 mm²) 2 x (1 6 mm²) 2 x (1 6 mm²) 2 x (1 8)	•	97 mm
- forwards - upwards - downwards - downwards - at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards - at the side - downwards - for live parts - forwards - upwards - forwards - upwards - forwards - upwards - forwards - upwards - downwards - downwards - downwards - downwards - downwards - for main current circuit - for auxiliary and control circuit - of or auxiliary and control circuit - of magnet coil type of connectable conductor cross-sections - for main current - for main current - for main current - for auxiliary and control circuit - of magnet coil - solid - solid - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - at AWG cables for main contacts - connectable conductor cross-section for main contacts - connectable conductor cross-section for main contacts - at AWG cables for main contacts - connectable conductor cross-section for main contacts - connectable conductor cross-section for main contacts - at AWG cables for main contacts - connectable conductor cross-section for mai		
- upwards		10 mm
- downwards - at the side of or grounded parts - forwards - upwards - at the side of mm - at the side - downwards - at the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - downwards - at the side - for main current circuit - for auxiliary and control circuit - of or auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil - solid - solid - solid - solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for main contacts connectable conductor cross-section for main contacts		
- at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards • for live parts - forwards - upwards - downwards - upwards - downwards - at the side - downwards - upwards - to 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 - finely stranded without core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts	•	
• for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards — 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 — finely stranded without core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts		
- forwards 10 mm - upwards 6 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-type terminals • of magnet coil Spring-type terminals type of connectable conductor cross-sections • for main contacts - solid 2x (1 10 mm²) - solid or stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts		O IIIIII
- upwards - at the side - downwards 10 mm • for live parts - forwards 10 mm - at the side - downwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts connectable conductor cross-section for main contacts	•	10 mm
- at the side - downwards - downwards - for live parts - forwards - upwards - upwards - downwards - downwards - downwards - at the side - 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 - solid		
- downwards • for live parts - forwards - 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 curtacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • at AWG cables for main contacts connectable conductor cross-section for main contacts 10 mm	•	
 for live parts forwards 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 spring-loaded terminals Spring-type terminals type of connectable conductor cross-sections for main contacts a confined y stranded finely stranded with core end processing finely stranded without core end processing at AWG cables for main contacts at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts 		
forwards 10 mm upwards 10 mm downwards 10 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-type terminals of magnet coil Spring-type terminals type of connectable conductor cross-sections solid 2x (1 10 mm²) solid or stranded 2x (1 10 mm²) finely stranded with core end processing finely stranded without core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts		10 mm
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • 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 • at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts 2x (1 10 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 8)	•	
- 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 • at AWG cables for main contacts connectable conductor cross-section for main contacts - at AWG cables for main contacts 10 mm spring-loaded terminals spring-loaded terminals Spring-type terminals Spring-type terminals 2x (1 10 mm²) 2x (1 10 mm²) 2x (1 10 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 6 mm²)		
— at the side 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 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 • at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts	·	
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 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 • at AWG cables for main contacts connectable conductor cross-section for main contacts connectable conductor cross-section for main contacts		
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 • at AWG cables for main contacts connectable conductor cross-section for main contacts		6 mm
 for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Spring-type terminals of magnet coil Spring-type 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 at AWG cables for main contacts connectable conductor cross-section for main contacts for main contacts 2x (1 10 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 8) connectable conductor cross-section for main contacts	Connections/ Terminals	
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Spring-type terminals for main contacts solid solid or stranded finely stranded with core end processing finely stranded without core end processing at AWG cables for main contacts at AWG cables for main contacts connectable conductor cross-section for main contacts 	type of electrical connection	
 at contactor for auxiliary contacts of magnet coil Spring-type 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 — finely stranded without core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts Spring-type terminals 2x (1 10 mm²) 2x (1 6 mm²) 2x (1 8) Connectable conductor cross-section for main contacts	for main current circuit	spring-loaded terminals
 of magnet coil Spring-type 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 — at AWG cables for main contacts connectable conductor cross-section for main contacts 	 for auxiliary and control circuit 	spring-loaded terminals
type of connectable conductor cross-sections	 at contactor for auxiliary contacts 	Spring-type terminals
 for main 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 — at AWG cables for main contacts 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 8) 	of magnet coil	Spring-type terminals
 — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing • at AWG cables for main contacts 2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) 	type of connectable conductor cross-sections	
 — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — at AWG cables for main contacts 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 6 mm²) 2x (1 8) 	 for main contacts 	
 — finely stranded with core end processing — finely stranded without core end processing — at AWG cables for main contacts 2x (1 6 mm²) 	— solid	2x (1 10 mm²)
 — finely stranded without core end processing ■ at AWG cables for main contacts 2x (1 6 mm²) 2x (18 8) 	— solid or stranded	
 — finely stranded without core end processing at AWG cables for main contacts 2x (1 6 mm²) 2x (18 8) 	 finely stranded with core end processing 	
• at AWG cables for main contacts		
connectable conductor cross-section for main contacts		
	connectable conductor cross-section for main	
	contacts	
• solid 1 10 mm ²	• solid	1 10 mm²

stranded	1 10 mm²
 finely stranded with core end processing 	1 6 mm²
finely stranded without core end processing	1 6 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 1.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid or stranded	2x (0.5 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (20 14)
AWG number as coded connectable conductor cross section	
for main contacts	18 8
for auxiliary contacts	20 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
B10 value with high demand rate according to SN 31920	450 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
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
suitability for use	
 safety-related switching OFF 	Yes
Cartificates/ approvals	

Certificates/ approvals

General Product Approval



Confirmation





<u>KC</u>



Functional
EMC Safety/Safety of Declaration of Conformity
Machinery

Test Certificates



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other





Confirmation



Confirmation

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=3RT2026-2AK60-1AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2AK60-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AK60-1AA0

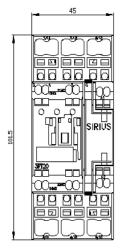
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

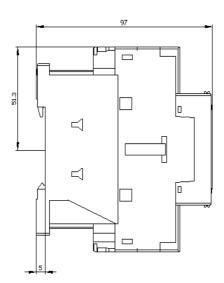
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-2AK60-1AA0&lang=en

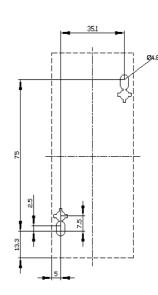
Characteristic: Tripping characteristics, I2t, Let-through current

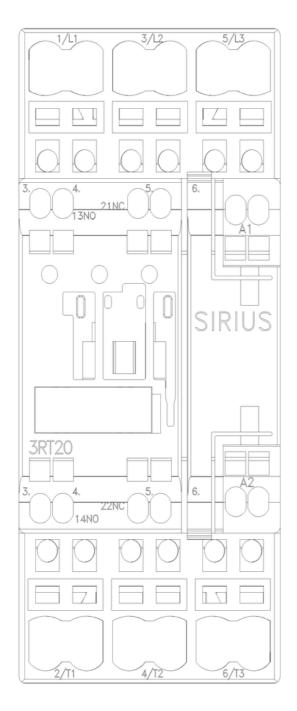
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AK60-1AA0/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2AK60-1AA0&objecttype=14&gridview=view1









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