SIEMENS

Data sheet

3RT2037-1AK60



Contactor, AC-3, 30 kW / 400 V, 1 NO + 1 NC, 110 V AC, 50 Hz / 120 V, 60 Hz, 3-pole, Size S2, screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
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 	11.4 W
 at AC in hot operating state per pole 	3.8 W
 without load current share typical 	18.5 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	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 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)	10/01/2014
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 %

Main circuit	
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 rated value 	80 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	80 A
— up to 690 V at ambient temperature 60 °C rated value	70 A
• at AC-3	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
• at AC-3e	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
• at AC-4 at 400 V rated value	55 A
• at AC-5a up to 690 V rated value	70.4 A
• at AC-5b up to 400 V rated value	53.9 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	56.9 A
 up to 400 V for current peak value n=20 rated value 	56.9 A
 — up to 500 V for current peak value n=20 rated value 	56.9 A
 — up to 690 V for current peak value n=20 rated value 	47 A
 at AC-6a up to 230 V for current peak value n=30 rated value 	38 A
 up to 400 V for current peak value n=30 rated value 	38 A
 — up to 500 V for current peak value n=30 rated value 	38 A
 — up to 690 V for current peak value n=30 rated value 	38 A
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	28 A
at 690 V rated value	22 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— 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	0.2071
- at 24 V rated value	55 A
	55 A 45 A
— at 110 V rated value	
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	

— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 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	35 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 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	55 A
— at 110 V rated value	25 A
— at 220 V rated value	5 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	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
at AC-2 at 400 V rated value	30 kW
• at AC-3	
— at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
• at AC-3e	
- at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
operating power for approx. 200000 operating cycles	57 KW
at AC-4	
 at 400 V rated value 	14.7 kW
• at 690 V rated value	20 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	22.6 kVA
• up to 400 V for current peak value n=20 rated value	39.4 kVA
• up to 500 V for current peak value n=20 rated value	49.2 kVA
 up to 690 V for current peak value in 20 rated value 	56.1 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	15.1 kVA
• up to 400 V for current peak value n=30 rated value	26.2 kVA
• up to 500 V for current peak value n=30 rated value	32.8 kVA
• up to 690 V for current peak value n=30 rated value	45.3 kVA
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	1 055 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	730 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	520 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	336 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	272 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	800 1/h
• at AC-2 maximum	400 1/h

● at AC-3 maximum	700 1/h
• at AC-3 maximum • at AC-3e maximum	700 1/h
• at AC-4 maximum	200 1/h
Control circuit/ Control	200 1/11
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	
• at 50 Hz	212 VA
• at 60 Hz	188 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.69
• at 60 Hz	0.65
apparent holding power of magnet coil at AC	
• at 50 Hz	18.5 VA
• at 60 Hz	16.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.36
• at 60 Hz	0.39
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	1
	1
Auxiliary circuit number of NC contacts for auxiliary contacts	1
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts	
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	1
Auxiliary circuit 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
Auxiliary circuit 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
Auxiliary circuit 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
Auxiliary circuit 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	1 10 A 10 A 3 A 2 A 1 A
Auxiliary circuit 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 • at 490 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A
Auxiliary circuit 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	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A
Auxiliary circuit 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 • at 690 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
Auxiliary circuit 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 500 V rated value • at 690 V rated value • at 10 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A
Auxiliary circuit 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 • at 44 V rated value • at 24 V rated value • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 48 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
Auxiliary circuit 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 • at 400 V rated value • at 600 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 3 A 2 A 1 A
Auxiliary circuit 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 • at 690 V rated value • 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	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
Auxiliary circuit 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 400 V rated value • at 60 V rated value • at 24 V rated value • at 25 V rated value • at 110 V rated value • at 220 V rated value • at 220 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 10 A
Auxiliary circuit 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 • at 44 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 10 V rated value • at 24 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 10 A
Auxiliary circuit 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 • at 400 V rated value • at 690 V rated value • at 400 V rated value • at 20 V rated value • 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 220 V rated value • at 24 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 6 A 1 A 10 A 1
Auxiliary circuit 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 • at 400 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value <th>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 10 A 10 A 2 A 1 A 10 A 2 A 1 A 10 A 2 A 1 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1</th>	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 10 A 10 A 2 A 1 A 10 A 2 A 1 A 10 A 2 A 1 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
Auxiliary circuit 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 • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 24 V rated value • at 25 V rated value • at 200 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 400 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 10 A
Auxiliary circuit 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 • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 48 V rated value • at 24 V rated value • at 48 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 10 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 10 A
Auxiliary circuit 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 • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 20 V rated value • at 20 V rated value • at 20 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 215 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 10 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 10 A 10 A 6 A 10 A 1
Auxiliary circuit 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 • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 220 V rated value • at 220 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value <t< th=""><th>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 10 A 6 A 10 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 0.15 A</th></t<>	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 10 A 6 A 10 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 0.15 A
Auxiliary circuit 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 • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 25 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 250 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 10 V rated value • at 10 V rated value • at 10 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 10 A 10 A 6 A 10 A 1
Auxiliary circuit 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 • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 220 V rated value • at 220 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value <t< th=""><td>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 10 A 6 A 10 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 0.15 A</td></t<>	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 10 A 6 A 10 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 0.15 A 10 A 0.15 A

	05.4
at 480 V rated value	65 A
at 600 V rated value	52 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	5 hp
— at 230 V rated value	10 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	20 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	50 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	
— with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)
— with type of assignment 2 required	gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A (415V,80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
fastening method	forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail
side-by-side mounting	according to DIN EN 60715 Yes
height	114 mm
width	55 mm
	130 mm
depth required spacing	130 1111
required spacing	
 with side-by-side mounting — forwards 	10 mm
	10 mm 10 mm
— upwards — downwards	10 mm
— at the side	
	0 mm
for grounded parts	10
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
 for live parts 	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
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
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
— finely stranded with core end processing	2x (1 25 mm ²), 1x (1 35 mm ²)
at AWG cables for main contacts	2x (18 2), 1x (18 1)
connectable conductor cross-section for main contacts	
 finely stranded with core end processing 	1 35 mm²
connectable conductor cross-section for auxiliary	

contacte						
 solid or strande 	. d		0.5 2.5 mm²			
finely stranded with core end processing		na	0.5 2.5 mm ²			
	conductor cross-sec	-	0.0 2.0 mm			
 for auxiliary cor 						
— solid or str			2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
- finely stranded with core end processing		cessing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)			
at AWG cables for auxiliary contacts		2x (0.5 1.5 mm ⁻), 2x (0.75 2.5 mm ⁻) 2x (20 16), 2x (18 14)				
	ded connectable cond	luctor cross)		
section						
 for main contact 	ets		18 1			
 for auxiliary contacts 		20 14				
afety related data						
product function						
 mirror contact according to IEC 60947-4-1 		Yes				
 positively driven operation according to IEC 60947- 5-1 		o IEC 60947-	No			
B10 value with high d	lemand rate according t	to SN 31920	1 000 000			
proportion of dange	rous failures					
 with low deman 	nd rate according to SN	31920	40 %			
 with high demain 	nd rate according to SN	N 31920	73 %			
failure rate [FIT] with 31920	low demand rate accord	ding to SN	100 FIT			
T1 value for proof tes IEC 61508	t interval or service life	according to	20 y			
protection class IP o 60529	on the front according	to IEC	IP20			
touch protection on	the front according to	o IEC 60529	finger-safe, for vertical cor	ntact from the front		
suitability for use						
 safety-related s 	witching OFF		Yes			
	-		Tes			
ertificates/ approval	S		165			
ertificates/ approval General Product Ap						
		Confirmatio		KC	rnr	
		Confirmatio		KC	FAC	
		Confirmatio		KC	EAC	
		<u>Confirmatio</u>		KC	EAC	
		Confirmatio		KC	EAC	
		Confirmatio		KC	EAC	
		<u>Confirmatio</u> Declaration o	n Ul	KC Test Certificates	EAC	
General Product Ap	pproval		n Ul		EAC	
General Product Ap	Functional Safety/Safety of Machinery		n Ul	Test Certificates	EAC	
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates	ERC Type Test Certific-	
General Product Ap	Functional Safety/Safety of Machinery		n Ul	Test Certificates	ERC Type Test Certific- ates/Test Report	
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n f Conformity	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n Ul	Test Certificates		
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n f Conformity	Test Certificates	ates/Test Report	
General Product Ap	Functional Safety/Safety of Machinery	Declaration of	n f Conformity	Test Certificates	ates/Test Report	



Confirmation

Confirmation

Transport Information

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2037-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2037-1AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-1AK60

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2037-1AK60&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-1AK60/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2037-1AK60&objecttype=14&gridview=view1

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