SIEMENS

Data sheet 3RT2023-1AK60



power contactor, AC-3e/AC-3, 9 A, 4 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

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 	0.6 W		
 at AC in hot operating state per pole 	0.2 W		
 without load current share typical 	2 W		
type of calculation of power loss depending on pole	quadratic		
insulation voltage			
 of main circuit with degree of pollution 3 rated value 	690 V		
 of auxiliary circuit with degree of pollution 3 rated value 	690 V		
surge voltage resistance			
of main circuit rated value	6 kV		
 of auxiliary circuit rated value 	6 kV		
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V		
shock resistance at rectangular impulse			
• at AC	7,5g / 5 ms, 4,7g / 10 ms		
shock resistance with sine pulse			
• at AC	11,8g / 5 ms, 7,4g / 10 ms		
mechanical service life (operating 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 %		
invironmental footprint			

Environmental Product Declaration(EPD)	Yes			
Global Warming Potential [CO2 eq] total				
Global Warming Potential [CO2 eq] during manufacturing	74.2 kg			
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	1.9 kg 72.4 kg			
Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	-0.117 kg			
Main circuit	-0.117 kg			
number of poles for main current circuit	3			
number of NO contacts for main contacts	3			
operating voltage	3			
at AC-3 rated value maximum	690 V			
at AC-3e rated value maximum	690 V			
operational current	030 V			
at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A			
• at AC-1				
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	40 A			
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	35 A			
• at AC-3				
— at 400 V rated value	9 A			
— at 500 V rated value	9 A			
— at 690 V rated value	9 A			
• at AC-3e				
— at 400 V rated value	9 A			
— at 500 V rated value	9 A			
— at 690 V rated value	9 A			
• at AC-4 at 400 V rated value	8.5 A			
at AC-5a up to 690 V rated value	35.2 A			
• at AC-5b up to 400 V rated value	7.4 A			
• at AC-6a	11.4 A			
— up to 230 V for current peak value n=20 rated value	11.4 A			
— up to 400 V for current peak value n=20 rated value	9.1 A			
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	9 A			
at AC-6a	₹A			
— up to 230 V for current peak value n=30 rated value	7.6 A			
— up to 400 V for current peak value n=30 rated value	7.6 A			
— up to 500 V for current peak value n=30 rated value	6.1 A			
— up to 690 V for current peak value n=30 rated value	6.1 A			
minimum cross-section in main circuit at maximum AC-1 rated	10 mm²			
operational current for approx. 200000 operating cycles at				
AC-4	41 A			
 at 400 V rated value at 690 V rated value 	4.1 A 3.3 A			
operational current	0.0 A			
• at 1 current path at DC-1				
— at 24 V rated value	35 A			
— at 60 V rated value	20 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				
— at 24 V rated value	35 A			
— at 60 V rated value	35 A			
— at 110 V rated value	35 A			
— 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	35 A				
— at 60 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 60 V rated value	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 60 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 60 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-3					
— at 230 V rated value	2.2 kW				
— at 400 V rated value	4 kW				
— at 500 V rated value	4 kW				
— at 690 V rated value	7.5 kW				
• at AC-3e					
— at 230 V rated value	2.2 kW				
— at 400 V rated value	4 kW				
— at 500 V rated value	4 kW				
— at 690 V rated value	7.5 kW				
operating power for approx. 200000 operating cycles at AC-					
4	OLAM				
at 400 V rated value	2 kW				
• at 690 V rated value	2.5 kW				
operating apparent power at AC-6a	4.5.1378				
up to 230 V for current peak value n=20 rated value	4.5 kVA				
up to 400 V for current peak value n=20 rated value	7.8 kVA				
up to 500 V for current peak value n=20 rated value	7.8 kVA				
• up to 690 V for current peak value n=20 rated value	10.7 kVA				
operating apparent power at AC-6a	214/4				
up to 230 V for current peak value n=30 rated value	3 kVA				
• up to 400 V for current peak value n=30 rated value	5.2 kVA				
up to 500 V for current peak value n=30 rated value	5.2 kVA				
up to 690 V for current peak value n=30 rated value	7.2 kVA				
short-time withstand current in cold operating state up to 40 °C					
 limited to 1 s switching at zero current maximum 	170 A; Use minimum cross-section acc. to AC-1 rated value				
limited to 5 s switching at zero current maximum	170 A; Use minimum cross-section acc. to AC-1 rated value				
limited to 10 s switching at zero current maximum	140 A; Use minimum cross-section acc. to AC-1 rated value				
limited to 30 s switching at zero current maximum	104 A; Use minimum cross-section acc. to AC-1 rated value				
limited to 60 s switching at zero current maximum	88 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	5 000 1/h				
operating frequency					

1404	4 000 4 //				
• at AC-1 maximum	1 000 1/h				
at AC-2 maximum	1 000 1/h				
• at AC-3 maximum	1 000 1/h				
• at AC-3e maximum	1 000 1/h				
• at AC-4 maximum	300 1/h				
Control circuit/ Control					
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	68 VA				
• at 60 Hz	67 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	70.1/4				
• at 50 Hz	7.9 VA				
• at 60 Hz	6.5 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				
control version of the switch operating mechanism Auxiliary circuit	Standard A1 - A2				
	Standard A1 - A2				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous					
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 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 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 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 500 V rated value	1 1 10 A 10 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	1 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 500 V rated value • at 690 V rated value operational current at DC-12	1 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 operational current at DC-12 • at 24 V rated value	1 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 operational current at DC-12 • at 24 V rated value • at 48 V rated value	1 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 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 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 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 60 V rated value • at 110 V rated value	1 1 10 A 10 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 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 110 V rated value • at 125 V rated value	1 1 10 A 10 A 3 A 2 A 1 A 10 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 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 125 V rated value • at 220 V rated value	1 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 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 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 1 10 A 10 A 3 A 2 A 1 A 10 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 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 125 V rated value • at 220 V rated value	1 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 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 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 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 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 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 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 operational current at DC-12 • at 24 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 • 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 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 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 operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value	1 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				
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 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 250 V rated value • at 270 V rated value • at 280 V rated value • at 48 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				
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 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 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 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				
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 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 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 600 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 2 A 1 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 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 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 125 V rated value • at 24 V rated value • at 25 V rated value • at 25 V rated value • at 25 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				
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 operational current at DC-12 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 110 V rated value • at 24 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				

full-load current (FLA) for 3-phase AC motor				
at 480 V rated value	7.6 A			
at 600 V rated value	9 A			
yielded mechanical performance [hp]				
 for single-phase AC motor 				
— at 110/120 V rated value	1 hp			
— at 230 V rated value	1 hp			
• for 3-phase AC motor				
— at 200/208 V rated value	2 hp			
— at 220/230 V rated value	3 hp			
— at 460/480 V rated value	5 hp			
— at 575/600 V rated value	7.5 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: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)			
 — with type of assignment 2 required 	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (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 forward and backward by +/- 22.5° on vertical mounting surface			
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
fastening method side-by-side mounting	Yes			
height	85 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				
— forwards	10 mm			
— upwards	10 mm			
— at the side	6 mm			
— downwards	6 mm 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				
at contactor for auxiliary contacts	screw-type terminals			
of magnet coil	Screw-type terminals Screw-type terminals			
type of connectable conductor cross-sections	Gordw-type terminals			
• for main contacts				
— solid	2v /1 2 5 mm²) 2v /2 5 10 mm²)			
	2x (1 2.5 mm²), 2x (2.5 10 mm²)			
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)			
— finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²			
for AWG cables for main contacts	2x (16 12), 2x (14 8)			
connectable conductor cross-section for main contacts	4 40 mm²			
• solid	1 10 mm²			
• stranded	1 10 mm²			
finely stranded with core end processing	1 10 mm²			
connectable conductor cross-section for auxiliary contacts				

 solid or stranded 	0.5 2.5 mm ²			
finely stranded with core end processing	0.5 2.5 mm²			
type of connectable conductor cross-sections				
 for auxiliary contacts 				
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)			
AWG number as coded connectable conductor cross section				
 for main contacts 	16 8			
 for auxiliary contacts 	20 14			
Safety related data				
product function				
 mirror contact according to IEC 60947-4-1 	Yes			
suitability for use safety-related switching OFF	Yes; applies only to contactor operating mechanism			
proportion of dangerous failures				
 with low demand rate according to SN 31920 	40 %			
with high demand rate according to SN 31920	73 %			
B10 value with high demand rate according to SN 31920	1 000 000			
failure rate [FIT] with low demand rate according to SN 31920	100 FIT			
IEC 61508				
T1 value				
 for proof test interval or service life according to IEC 61508 	20 a			
Electrical Safety				
protection class IP on the front according to IEC 60529	IP20			
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front			
Approvals Certificates				
General Product Approval				









Confirmation



General Product Approval	EMV	Functional Saftey	Test Certificates
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<u>KC</u>





Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













other Environment

Miscellaneous Confirmation Confirmation



Further information

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2023-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2023-1AK60

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AK60

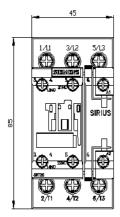
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

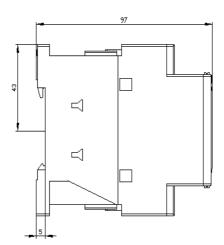
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT20

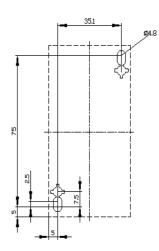
Characteristic: Tripping characteristics, I2t, Let-through current

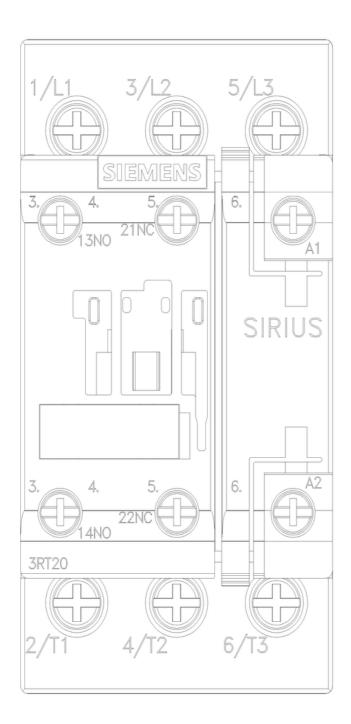
https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AK60/char

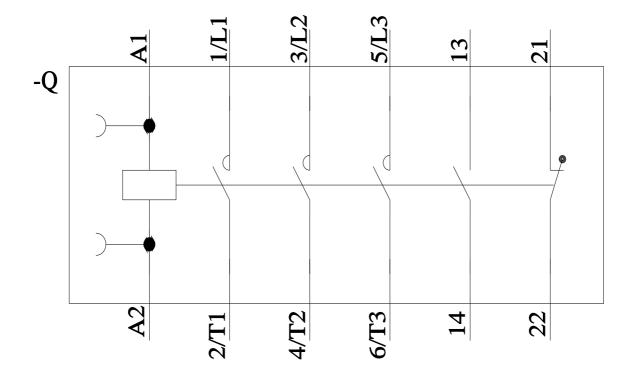
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2023-1AK60&objecttype=14&gridview=view1











last modified: 3/15/2024 🖸