SIEMENS

Data sheet

3RT2023-1AL20



power contactor, AC-3e/AC-3, 9 A, 4 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

e/13				
product brand name	SIRIUS			
product designation	Power contactor			
product type designation	3RT2			
General technical data				
size of contactor	SO			
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 ∨			
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			
Weight	0.409 kg			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
during operation	-25 +60 °C			
during storage	-55 +80 °C			
relative humidity minimum	10 %			
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %			

Environmental footprint				
Environmental Product Declaration(EPD)	Yes			
global warming potential [CO2 eq] total	74.2 kg			
global warming potential [CO2 eq] during manufacturing	1.9 kg			
global warming potential [CO2 eq] during operation	72.4 kg			
global warming potential [CO2 eq] after end of life	-0.117 kg			
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	40 A			
● at AC-1				
— up to 690 V at ambient temperature 40 °C rated value	40 A			
— up to 690 V at ambient temperature 60 °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	0.4			
— at 400 V rated value	9 A 9 A			
- at 500 V rated value				
 — at 690 V rated value at AC-4 at 400 V rated value 	9 A 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				
— up to 230 V for current peak value n=20 rated value	11.4 A			
	11.4 A			
— up to 500 V for current peak value n=20 rated value	9.1 A			
— up to 690 V for current peak value n=20 rated value	9 A			
● at AC-6a				
— 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 value	10 mm²			
operational current for approx. 200000 operating cycles at AC-4				
• at 400 V rated value	4.1 A			
at 690 V rated value	3.3 A			
operational current				
• 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	25.4			
- 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			

a with 2 autment notion in carico at DC 1										
with 3 current paths in series at DC-1 — at 24 V rated value	35 A									
— at 60 V rated value										
— at 100 V rated value	35 A									
— at 220 V rated value	35 A 35 A									
— at 440 V rated value	35 A									
— at 600 V rated value	2.9 A 1.4 A									
• at 1 current path at DC-3 at DC-5	1.4 A									
- at 24 V rated value	20.4									
— at 60 V rated value	20 A									
— at 220 V rated value	5 A 1 A									
— at 440 V rated value	1 A 0.09 A									
— at 600 V rated value	0.06 A									
• with 2 current paths in series at DC-3 at DC-5	0.00 A									
— 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	3A									
— 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										
• at 400 V rated value	2 kW									
• at 690 V rated value	2.5 kW									
operating apparent power at AC-6a										
 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										
 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					
operating frequency					
• 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	230 V				
• at 60 Hz rated value	230 V				
operating range factor control supply voltage rated value of					
magnet coil at AC					
• at 50 Hz	0.8 1.1				
• at 60 Hz	0.85 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					
• 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				
	Standard A1 A2				
control version of the switch operating mechanism	Standard A1 - A2				
Auxiliary circuit					
	Standard A1 - A2				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO 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 • 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	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	1 1 10 A 10 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 424 V rated value • at 48 V rated value • at 460 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 • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value	1 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 690 V rated value • at 48 V rated value • at 48 V rated value • at 410 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 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 25 V rated value • at 125 V rated value • at 220 V rated value	1 1 10 A 10 A 2 A 1 A 10 A 6 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 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 220 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 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 48 V rated value • at 400 V rated value • at 60 V rated value • at 24 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 60 V rated value • at 600 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 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	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
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 110 V rated value at 125 V rated value at 220 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 24 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 6 A 3 A 2 A 1 A 10				
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 10 A 3 A 2 A 1 A 10 A 6 A 6 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 60 V rated value • at 48 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 10 V rated value • at 24 V rated value • at 60 V rated value • at 24 V rated value • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 400 V rated value • at 400 V rated value • at 400 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 6 A 3 A 2 A 1 A 10				
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 60 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 240 V rated value • at 600 V rated value • at 240 V rated value	1 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				
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 690 V rated value • at 60 V rated value • at 24 V rated value • at 60 V rated value • at 20 V rated value • at 20 V rated value • at 24 V rated value • at 20 V rated value • at 210 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 24 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 • at 125 V rated value • at 125 V rated value	1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10				
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 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 10 A 2 A 1 A 0.15 A				

UL/CSA ratings					
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]	9 A				
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	•				
- at 575/600 V rated value	5 hp 7 5 hp				
contact rating of auxiliary contacts according to UL	7.5 hp A600 / P600				
Short-circuit protection					
design of the miniature circuit breaker for short-circuit protection	C characteristic: 10 A; 0.4 kA				
of the auxiliary circuit up to 230 V					
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 side-by-side mounting	Yes				
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715				
height	85 mm				
width	45 mm				
depth	97 mm				
required spacing					
with side-by-side mounting	10 mm				
— forwards	10 mm				
— upwards	10 mm				
- 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	10				
— forwards	10 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side Connections/ Terminals	6 mm				
type of electrical connection	corou turo torminalo				
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 type of connectable conductor cross sections	Screw-type terminals				
type of connectable conductor cross-sections • for main contacts					
for main contacts — solid	$2x (1 - 2.5 \text{ mm}^2) 2x (2.5 - 10 \text{ mm}^2)$				
	$2x (1 2.5 mm^2), 2x (2.5 10 mm^2)$				
 — solid or stranded finally stranded with core and processing 	$2x (1 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$				
- finely stranded with core end processing	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²				
for AWG cables for main contacts	2x (16 12), 2x (14 8)				
connectable conductor cross-section for main contacts	1 10 mm²				
• solid					
stranded	1 10 mm ²				

 finely stranded with c 	ore end processing		1 10	mm ²		
connectable conductor cr		iliary contacts	1 10			
 solid or stranded 			0.5 2	2.5 mm²		
 finely stranded with c 	ore end processing			2.5 mm²		
type of connectable cond		5	0.0 2			
 for auxiliary contacts 		-				
— solid or strande	d		2x (0.5	1.5 mm²), 2x (0.75 .	2.5 mm²)	
	with core end process	sina		1.5 mm²), 2x (0.75 .		
 for AWG cables for a 				2x (0.5 1.5 mm), 2x (0.7 5 2.5 mm) 2x (20 16), 2x (18 14)		
AWG number as coded co section		or cross		- <i>p</i>		
 for main contacts 			16 8			
 for auxiliary contacts 			20 1	4		
Safety related data						
product function						
 mirror contact accord 	ling to IEC 60947-4-1		Yes			
 positively driven oper 	ation according to IE	C 60947-5-1	No			
 suitable for safety fur 	0		Yes			
suitability for use safety-rela			Yes			
service life maximum	<u> </u>		20 a			
test wear-related service I	ife necessarv		Yes			
proportion of dangerous f						
with low demand rate		20	40 %			
 with high demand rat 	0		73 %			
B10 value with high dema			1 000 0	000		
failure rate [FIT] with low of 31920			100 FIT			
ISO 13849						
device type according to I	SO 13849-1		3			
overdimensioning accord	ing to ISO 13849-2 n	iecessary	Yes			
IEC 61508						
safety device type accord	ing to IEC 61508-2		Туре А			
Electrical Safety						
protection class IP on the	front according to I	EC 60529	IP20			
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front				
Approvals Certificates						
General Product Approva	l					
	CE EG-Konf.	UK CA		<u>Confirmation</u>		<u>KC</u>
General Product Approval	MV	Test Certificate	es		Marine / Shipping	
EAC	RCM	<u>Special Test Ce</u> <u>ate</u>	ertific-	<u>Type Test Certific-</u> ates/Test Report	ABS	BUREAU VERITAS
Marine / Shipping					other	
	Llovd's Register urs	() RINA		RMRS RMRS	<u>Miscellaneous</u>	<u>Confirmation</u>
other R	ailway	Environment				



Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2023-1AL20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2023-1AL20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AL20

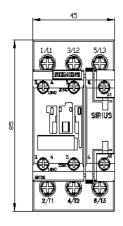
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

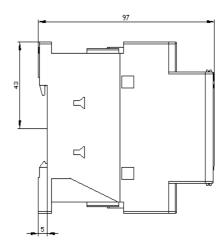
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2023-1AL20&lang=en

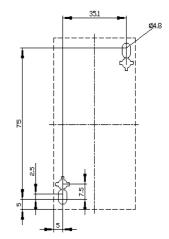
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AL20/char Further characteristics (e.g. electrical endurance, switching frequency)

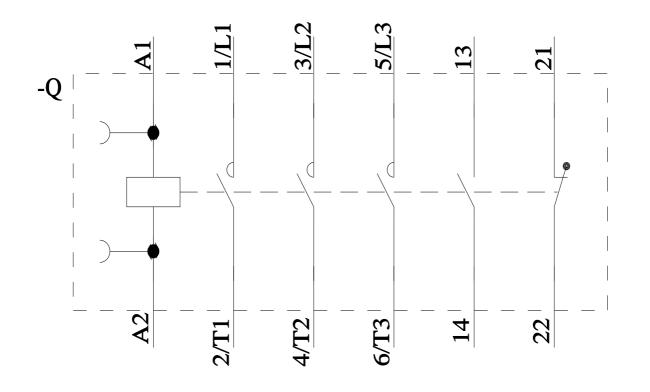
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2023-1AL20&objecttype=14&gridview=view1











last modified:

1/24/2025 🖸