SIEMENS

Data sheet 3RT2015-2AH02



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 48 V AC, 50/60 Hz, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00,

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
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 	4.2 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 protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	30 000 000
 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 %
Main circuit	

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 	18 A
value	
• at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	18 A
— up to 690 V at ambient temperature 60 °C rated	16 A
value	
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-4 at 400 V rated value	6.5 A
• at AC-5a up to 690 V rated value	15.8 A
at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
— up to 500 V for current peak value n=20 rated value	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated	2.5 mm²
value operational current for approx. 200000 operating cycles at	
AC-4	
• at 400 V rated value	2.6 A
• at 690 V rated value	1.8 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.42 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A
• with 3 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
	15 A
— at 110 V rated value	
— at 220 V rated value	15 A

at 24 V rated value 0.35 A 0.35		
alt 110 V rated value with 2 current paths in series at DC-3 at DC-5 alt 24 V rated value alt 110 V rated value alt 110 V rated value alt 10 V rated value alt 20 V rated value alt 2		
* with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 24 V rated value — at 25 V rated value — at 26 V rated value — at 26 V rated value — at 40 V rated value — at 29 V rated value — at 29 V rated value — at 29 V rated value — at 20 V rate	— at 60 V rated value	0.35 A
	— at 110 V rated value	0.1 A
	 with 2 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	15 A
* with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 20 V rated value — at 20 V rated value — at 20 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value	— at 60 V rated value	3.5 A
	— at 110 V rated value	0.25 A
	 with 3 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	15 A
	— at 60 V rated value	15 A
	— at 110 V rated value	15 A
	— at 220 V rated value	1.2 A
operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 690 V rated value • at 690 V rated value • at 690 V	— at 440 V rated value	0.14 A
at 4C-3 at 230 V rated value at 400 V rated value 3 kW - at 500 V rated value 4 kW at AC-3e at 230 V rated value 4 kW at AC-3e - at 230 V rated value 3 kW - at 600 V rated value 3 kW - at 600 V rated value 3 kW - at 600 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-4 4 tw operating power for approx. 200000 operating cycles at AC-4 4 at 400 V rated value 1.15 kW - at 680 V rated value 9 to 1230 V for current peak value n=20 rated value 9 up to 200 V for current peak value n=20 rated value 9 up to 500 V for current peak value n=20 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 9 up to 500 V for current peak value n=30 rated value 1 kWA 1	— at 600 V rated value	0.14 A
	operating power	
	• at AC-3	
at 500 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 300 V rated value at 300 V rated value at 500 V rated value 20	— at 230 V rated value	1.5 kW
at AC-3e at 230 V rated value at 300 V rated value at 900 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value 1.15 kW at 900 V rated value 4 kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value 2 7 kVA up to 530 V for current peak value n=20 rated value 3 kVA operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value 4 kVA operating apparent power at AC-6a up to 530 V for current peak value n=20 rated value 4 kVA operating apparent power at AC-6a up to 530 V for current peak value n=30 rated value 4 kVA operating apparent power at AC-6a up to 530 V for current peak value n=30 rated value 2 kVA 3 kVA operating apparent power at AC-6a 1 kVA 1 kVA 1 kVA 1 kVA 2 kVA 3 kVA 1 kVA 2 kVA 2 kVA 2 kVA 2 kVA 2 kVA 2 kVA 3 kVA 1	— at 400 V rated value	3 kW
at AC-3e at 230 V rated value at 400 V rated value at 500 V rated value at 600 V rated value at 600 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value 1.15 kW at 600 V rated value 1.15 kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 2.9 kWA short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 1 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum at AC-3 maximum at AC-1 maximum 1 000 1/h at AC-2 maximum 1 000 1/h at AC-3 maximum 50 1/h at AC-3 maximum 50 1/h at AC-3 maximum 50 1/h at AC-4 maximum 50 1/h 48 V at 80 H z rated value 48 V operating range factor control supply voltage at AC at 60 Hz rated value 48 V operating range factor control supply voltage rated value of magnet coll at AC operating range factor control supply voltage rated value of magnet coll at AC	— at 500 V rated value	3 kW
	— at 690 V rated value	4 kW
- at 900 V rated value - at 900 V rated value - at 950 V rated value 9 operating power for approx. 200000 operating cycles at AC- 4 4 at 400 V rated value 1.15 kW 1.15 kW 9 operating apparent power at AC-8a 9 up to 230 V for current peak value n=20 rated value 1.15 kW 1.15 kW 9 up to 400 V for current peak value n=20 rated value 1.27 kWA 1.3 kVA 9 up to 400 V for current peak value n=20 rated value 1.4 kVA 1.5 kVA 1.5 kVA 1.5 kVA 1.5 kVA 1.6 kVA 1.7 kVA 1.7 kVA 1.8 kVA 1.9 to 690 V for current peak value n=20 rated value 1.8 kVA 1.8 kVA 1.9 to 400 V for current peak value n=30 rated value 1.9 to 400 V for current peak value n=30 rated value 1.9 to 400 V for current peak value n=30 rated value 1.9 to 500 V for current peak value n=30 rated value 1.9 to 690 V for current peak value n=30 rated value 1.9 to 690 V for current peak value n=30 rated value 1.20 kVA 1.8 kVA 1.9 to 500 V for current peak value n=30 rated value 1.9 to 600 V for current peak value n=30 rated value 2.2 kVA 2.2 kVA 2.2 kVA 2.2 kVA 2.3 kVA 2.4 kVA 2.5 kVA 2.5 kVA 3.4 kVA 4.5 kVA 4.6 kVA 4.7 kVA 4.7 kVA 4.8 kVA 4.9 kVA 4.0 kV	• at AC-3e	
- at 500 V rated value - at 600 V rated value operating power for approx. 200000 operating cycles at AC-4 * at 400 V rated value * at 600 V rated value * up to 230 V for current peak value n=20 rated value * up to 400 V for current peak value n=20 rated value * up to 500 V for current peak value n=20 rated value * up to 500 V for current peak value n=20 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 400 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * up to 500 V for current peak value n=30 rated value * 2.9 kVA * Short-time withstand current in cold operating state up to 40 °C * ilimited to 10 s switching at zero current maximum * limited to 10 s switching at zero current maximum * limited to 10 s switching at zero current maximum * limited to 50 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maximum * limited to 60 s switching at zero current maxi	— at 230 V rated value	1.5 kW
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• up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • limited to 10 s witching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current		
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Ilimited to 1 s switching at zero current maximum 120 A; Use minimum cross-section acc. to AC-1 rated value		2.9 kVA
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at		
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Ilimited to 10 s switching at zero current maximum Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ino-load switching frequency Ino-load switching at zero current maximum Ino-load switching at zero cut on AC-1 rated value Ino-load switching at zero cut on AC-1 rate	<u> </u>	
Imitted to 30 s switching at zero current maximum Imited to 60 s switching at zero current maximum Imited to 60 s switching at zero current maximum Ino-load switching frequency Ino-load sw	<u> </u>	
Imitted to 60 s switching at zero current maximum In olioad switching frequency In at AC In aximum In at AC-1 maximum In at AC-2 maximum In at AC-3 maximum In at AC-3 maximum In at AC-3 maximum In at AC-4 maximum In	· ·	
no-load switching frequency • at AC operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum control circuit/ Control type of voltage of the control supply voltage type of voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC	-	
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control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value 48 V operating range factor control supply voltage rated value of magnet coil at AC		AC
at 50 Hz rated value at 60 Hz rated value at 60 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC 48 V		
at 60 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC 48 V		48 V
operating range factor control supply voltage rated value of magnet coil at AC		
magnet coil at AC		
• at 50 Hz 0.8 1.1		
	• 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	27 VA
● at 60 Hz	24.3 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.8
● at 60 Hz	0.75
apparent holding power of magnet coil at AC	
● at 50 Hz	4.2 VA
● at 60 Hz	3.3 VA
inductive power factor with the holding power of the coil	
● at 50 Hz	0.25
● at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
 at 230 V rated value 	10 A
 at 400 V rated value 	3 A
• at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	6 A
at 60 V rated value	6 A
• at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	4.8 A
at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
• for 3-phase AC motor	
— at 200/208 V rated value	1.5 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	3 hp
— at 400/400 V rated value	5 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
design of the fuse link	

• for short-circuit protection of the main circuit	
 — with type of coordination 1 required 	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
 — with type of assignment 2 required 	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (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
• side-by-side mounting	Yes
height	70 mm
width	45 mm
depth required enceing	73 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	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	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	2x (0.5 4 mm²)
solid or stranded	2x (0,5 4 mm²)
 finely stranded with core end processing 	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
• solid or stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
finely stranded without core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	0. (0.543)
— solid or stranded	2x (0,5 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm²)
— finely stranded without core end processing	2x (0.5 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 12)
AWG number as coded connectable conductor cross section	
• for main contacts	20 12
for auxiliary contacts	20 12
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes

B10 value with high demand rate according to SN 31920	1 000 000
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 a
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
Cartificated approvals	

Certificates/ approvals

General Product Approval





Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Marine / Shipping

other

Railway

Environmental Con-

Environment



Confirmation



Confirmation

Vibration and Shock

firmations

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

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

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

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

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-2AH02

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2AH02

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2AH02

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

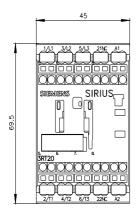
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-2AH02&lang=en

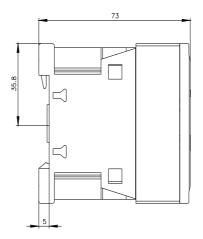
Characteristic: Tripping characteristics, I2t, Let-through current

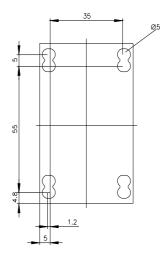
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2AH02/char

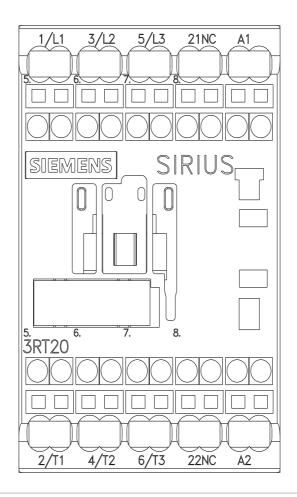
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2AH02&objecttype=14&gridview=view1









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