SIEMENS

Data sheet

3RT2036-1SF30



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 83-150 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NC, screw terminal, size: S2, F-PLC-IN

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 	12 W			
 at AC in hot operating state per pole 	4 W			
 without load current share typical 	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	7.7g / 5 ms, 4.5g / 10 ms			
• at DC	7.7g / 5 ms, 4.5g / 10 ms			
shock resistance with sine pulse				
• at AC	12g / 5 ms, 7g / 10 ms			
• at DC	12g / 5 ms, 7g / 10 ms			
mechanical service life (operating cycles)				
 of contactor typical 	5 000 000			
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000			
 of the contactor with added auxiliary switch block typical 	5 000 000			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	01/29/2021			
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	70 A			
• at AC-1				
— up to 690 V at ambient temperature 40 °C rated value	70 A			
— up to 690 V at ambient temperature 60 °C rated value	60 A			
• at AC-3				
— at 400 V rated value	51 A			
— at 500 V rated value	51 A			
— at 690 V rated value	24 A			
• at AC-3e				
- at 400 V rated value	51 A			
- at 500 V rated value	51 A			
— at 690 V rated value	24 A			
at AC-4 at 400 V rated value	41 A 61.6 A			
at AC-5a up to 690 V rated value	41.5 A			
 at AC-5b up to 400 V rated value at AC-6a 	41.5 A			
 up to 230 V for current peak value n=20 rated value 	43.2 A			
— up to 400 V for current peak value n=20 rated value	43.2 A			
— up to 500 V for current peak value n=20 rated value	43.2 A			
— up to 690 V for current peak value n=20 rated value	24 A			
• at AC-6a				
— up to 230 V for current peak value n=30 rated value	28.8 A			
— up to 400 V for current peak value n=30 rated value	28.8 A			
— up to 500 V for current peak value n=30 rated value	28.8 A			
— up to 690 V for current peak value n=30 rated value	24 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	24 A			
• at 690 V rated value	20 A			
operational current				
• at 1 current path at DC-1				
— at 24 V rated value	55 A			
— at 60 V rated value	23 A			
— at 110 V rated value	4.5 A			
— at 220 V rated value	1 A			
— at 440 V rated value	0.4 A			
— at 600 V rated value	0.25 A			
 with 2 current paths in series at DC-1 				
— at 24 V rated value	55 A			
— at 60 V rated value	45 A			
— at 110 V rated value	45 A			
— at 220 V rated value	5 A			
— at 440 V rated value	1 A			
— at 600 V rated value	0.8 A			
 with 3 current paths in series at DC-1 				
— at 24 V rated value	55 A			
— at 60 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 60 V rated value	6 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 60 V rated value	45 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 60 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	22 kW
• at AC-3	
— at 230 V rated value	15 kW
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	12.6 kW
• at 690 V rated value	18.2 kW
operating apparent power at AC-6a	
 up to 400 V for current peak value n=20 rated value 	29 900 VA
 up to 500 V for current peak value n=20 rated value 	37 400 VA
 up to 690 V for current peak value n=20 rated value 	28 600 VA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	11 400 VA
 up to 400 V for current peak value n=30 rated value 	19 900 VA
 up to 500 V for current peak value n=30 rated value 	24 900 VA
 up to 690 V for current peak value n=30 rated value 	28 600 VA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	937 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	282 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	229 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	600 1/h
• at AC-3 maximum	800 1/h
• at AC-3e maximum	800 1/h
• at AC-4 maximum	250 1/h

Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	83 150 V
at 50 Hz rated value	83 150 V
control supply voltage at DC	
• rated value	83 150 V
	00 100 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
full-scale value	1.1
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
type of PLC-control input according to IEC 60947-1	Туре 1
consumed current at PLC-control input according to IEC 60947-1 maximum	11 mA
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	25 A
duration of inrush current peak	10 µs
locked-rotor current mean value	0.34 A
locked-rotor current peak	0.8 A
duration of locked-rotor current	230 ms
holding current mean value	0.015 A
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
• at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	40 W
holding power of magnet coil at DC	1.6 W
closing delay	
• at AC	35 110 ms
• at DC	35 110 ms
opening delay	
• at AC	30 55 ms
• at DC	30 55 ms
recovery time after power failure typical	2.1 s
arcing time	10 20 ms
control version of the switch operating mechanism	Fail-safe PLC input (F-PLC-IN)
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact number of NO contacts for auxiliary contacts instantaneous	0
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	1A

a at 600 V roted value	
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	52 A
• at 600 V rated value	52 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	3 hp
— at 230 V rated value	10 hp
• for 3-phase AC motor	
— at 200/208 V rated value	15 hp
— at 220/230 V rated value	15 hp
— at 460/480 V rated value	40 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	~ C. 460 A (600)/ 400 kA) ~M. 80 A (600)/ 400 kA) DC80. 425 A (445)/ 90
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
- with type of assignment 2 required	, gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (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
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
mounting position fastening method	
	backward by +/- 22.5° on vertical mounting surface
fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
fastening method • side-by-side mounting	backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes
fastening method • side-by-side mounting height	backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm
fastening method • side-by-side mounting height width	backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
fastening method • side-by-side mounting height width depth	backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
fastening method • side-by-side mounting height width depth required spacing	backward by +/-22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 0 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — forwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — forwards — upwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — upwards — at the side — at the side — at the side	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — downwards — at the side — downwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side — forwards — upwards — forwards — for grounded parts — forwards — ownwards — at the side — for ive parts	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — forwards — at the side — for live parts — forwards • for live parts — forwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - forwards - at the side - forwards - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - downwards - downwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - forwards - at the side - forwards - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - downwards - forwards - downwards - forwards - upwards - downwards - downwards - downwards - at the side	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side - downwards - for live parts - forwards - upwards - at the side - forwards - upwards - at the side - forwards - upwards - at the side	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side • for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - at the side Ownwards - at the side Yupwards - at the side - downwards - at the side - downwards	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - at the side - downwards - forwards - upwards - downwards - at the side - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side • for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards - for live parts - forwards - upwards - downwards - forwards - upwards - at the side - forwards - at the side - downwards - at the side Onnections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - forwards - at the side - downwards - at the side - downwards - at the side - downwards - for live parts - forwards - upwards - at the side Connections/ Terminals type of electrical connection • for main current circuit	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm

ECM Type Examination Cer- tificate UK	CE	Type Test Certific- ates/Test Report			
EMC Functional Safety/Safety of Ma- chinery Declaration of	Conformity	Test Certificates	Marine / Shipping		
Confirmation CEA		KC	EAC		
General Product Approval					
Certificates/ approvals					
safety-related switching OFF	Yes				
safety-related switching on	No				
suitability for use					
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front				
protection class IP on the front according to IEC 60529	IP20				
T1 value for proof test interval or service life according to IEC 61508	20 a				
hardware fault tolerance according to IEC 61508	0				
MTBF	52 a				
PFDavg with low demand rate according to IEC 61508	0.0067				
PFHD with high demand rate according to EN 62061	7.7E-8 1/h				
failure rate [FIT] with low demand rate according to SN 31920	100 FIT				
with high demand rate according to SN 31920	73 %				
with low demand rate according to SN 31920	40 %				
diagnostics test interval by internal test function maximum proportion of dangerous failures	28 800 s				
Safe failure fraction (SFF)	96 %				
stop category according to EN 60204-1	0				
category according to EN ISO 13849-1	2				
performance level (PL) according to EN ISO 13849-1	С				
SIL Claim Limit (subsystem) according to EN 62061	2				
Safety Integrity Level (SIL) according to IEC 61508	2				
B10 value with high demand rate according to SN 31920	1 000 000				
safety device type according to IEC 61508-2	Туре В				
 positively driven operation according to IEC 60947-5-1 	No				
 mirror contact according to IEC 60947-4-1 	Yes				
product function					
afety related data					
 for auxiliary contacts 	20 14				
for main contacts	18 1				
AWG number as coded connectable conductor cross section					
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14)				
- finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)				
 for auxiliary contacts 					
type of connectable conductor cross-sections					
 finely stranded with core end processing 	0.5 2.5 mm²				
solid or stranded	0.5 2.5 mm²				
connectable conductor cross-section for auxiliary contacts					
• finely stranded with core end processing	1 35 mm²				
connectable conductor cross-section for main contacts		,			
 finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 m	1m²)			
 solid or stranded 	2x (1 35 mm²), 1x (1 50 m				

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Marine / Shipping









other

Confirmation

Vibration and Shock

F	urt	her	inf	orm	atio	on	

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=3RT2036-1SF30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-1SF30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1SF30

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

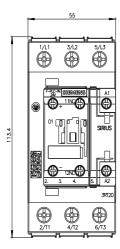
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2036-1SF30&lang=en

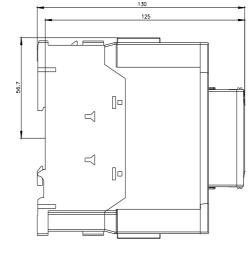
Characteristic: Tripping characteristics, I²t, Let-through current

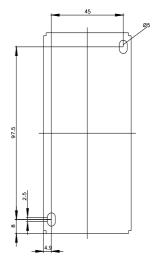
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1SF30/char

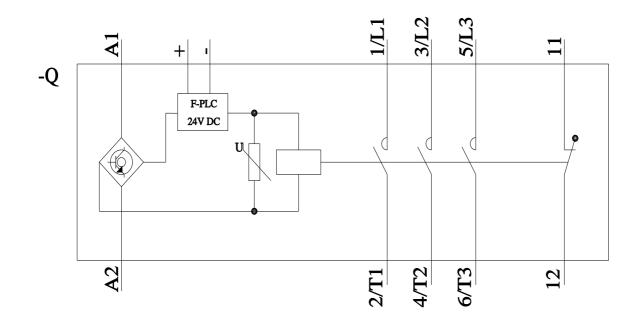
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1SF30&objecttype=14&gridview=view1









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