SIEMENS

3RT1275-6NP36 **Data sheet**



vacuum contactor AC-3e/AC-3 400 A, 200 kW / 400 V, 3-pole, Uc: 200-277 V AC(50-60 Hz) / DC PLC input 24 V DC drive: electronic auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw

product brand name	
product designation	
product type designation	
General technical data	

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S12
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 	63 W
 at AC in hot operating state per pole 	21 W
 without load current share typical 	3.6 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 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)	05/01/2012
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 %

maximum

relative humidity at 55 °C according to IEC 60068-2-30

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	1 000 V
 at AC-3e rated value maximum 	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	610 A
● at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	610 A
 up to 690 V at ambient temperature 60 °C rated value 	550 A
 up to 1000 V at ambient temperature 40 °C rated value 	610 A
 up to 1000 V at ambient temperature 60 °C rated value 	550 A
• at AC-3	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	400 A
• at AC-3e	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	400 A
at AC-4 at 400 V rated valueat AC-6a	350 A
— up to 230 V for current peak value n=20 rated value	400 A
 up to 400 V for current peak value n=20 rated value 	400 A
 up to 500 V for current peak value n=20 rated value 	400 A
— up to 690 V for current peak value n=20 rated value	400 A
 up to 1000 V for current peak value n=20 rated value at AC-6a 	400 A
— up to 230 V for current peak value n=30 rated value	293 A
 up to 400 V for current peak value n=30 rated value 	293 A
 up to 500 V for current peak value n=30 rated value 	293 A
— up to 690 V for current peak value n=30 rated value	293 A
— up to 1000 V for current peak value n=30 rated value	293 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	370 mm ²
cycles at AC-4	
 at 400 V rated value 	175 A
• at 690 V rated value	175 A
operating power ● at AC-3	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
• at AC-3e	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW

at 500 V rated value	OEO IAM
— at 500 V rated value	250 kW
— at 690 V rated value— at 1000 V rated value	400 kW 560 kW
operating power for approx. 200000 operating cycles	300 KW
at AC-4	
 at 400 V rated value 	98 kW
• at 690 V rated value	172 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	150 000 kVA
• up to 400 V for current peak value n=20 rated value	270 000 VA
• up to 500 V for current peak value n=20 rated value	340 000 VA
• up to 690 V for current peak value n=20 rated value	470 000 VA
 up to 1000 V for current peak value n=20 rated value 	690 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	110 000 VA
 up to 400 V for current peak value n=30 rated value 	200 000 VA
 up to 500 V for current peak value n=30 rated value 	250 000 VA
 up to 690 V for current peak value n=30 rated value 	350 000 VA
up to 1000 V for current peak value n=30 rated	500 000 VA
value no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
• at AC-1 maximum	700 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
	1.0.2
control supply voltage at AC	
control supply voltage at AC • at 50 Hz rated value	200 277 V
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value	
control supply voltage at AC ■ at 50 Hz rated value ■ at 60 Hz rated value control supply voltage at DC	200 277 V 200 277 V
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value	200 277 V 200 277 V 200 277 V
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1	200 277 V 200 277 V 200 277 V Type 2
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value	200 277 V 200 277 V 200 277 V
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value	200 277 V 200 277 V 200 277 V Type 2 20 mA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control	200 277 V 200 277 V 200 277 V Type 2 20 mA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated	200 277 V 200 277 V 200 277 V Type 2 20 mA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input	200 277 V 200 277 V 200 277 V Type 2 20 mA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC	200 277 V 200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC	200 277 V 200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz inductive power factor with closing power of the coil	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 750 VA 750 VA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 vith varistor 750 VA 750 VA 750 VA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 750 VA 750 VA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz	200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 vith varistor 750 VA 750 VA 750 VA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC	200 277 V 200 277 V 7ype 2 20 mA 24 V 0.8 1.1 0.8 1.1 with varistor 750 VA 750 VA 0.8 0.8 0.8
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the	200 277 V 200 277 V 7ype 2 20 mA 24 V 0.8 1.1 0.8 1.1 with varistor 750 VA 750 VA 750 VA 0.8 0.8 0.8
control supply voltage at AC at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz inductive power factor with the holding power of the coil	200 277 V 200 277 V 200 277 V Type 2 20 mA 24 V 0.8 1.1 0.8 1.1 with varistor 750 VA 750 VA 0.8 0.8 9 VA 9 VA
control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the	200 277 V 200 277 V 7ype 2 20 mA 24 V 0.8 1.1 0.8 1.1 with varistor 750 VA 750 VA 750 VA 0.8 0.8 0.8

alasian navvan af mannat asil at DO	000 W
closing power of magnet coil at DC	800 W
holding power of magnet coil at DC	3.6 W
closing delay	
• at AC	60 90 ms
• at DC	60 90 ms
opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value at 500 V rated value	2 A
at 690 V rated value at 690 V rated value	1A
operational current at DC-12	171
•	10.4
at 24 V rated value at 48 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	361 A
• at 600 V rated value	382 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	4051
— at 200/208 V rated value	125 hp
— at 220/230 V rated value	150 hp
— at 460/480 V rated value	300 hp
— at 575/600 V rated value	400 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: 800 A (690 V, 100 kA)
with type of assignment 2 required	gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
-	+/-22,5° rotation possible on vertical mounting surface; can be tilted
mounting position	forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface
fastening method	screw fixing
side-by-side mounting	Yes
height	214 mm
neignt	4 17 Hill

width	160 mm
depth	225 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
 for live parts 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
 for auxiliary and control circuit 	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
connectable conductor cross-section for main	
contacts	
stranded	70 240 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
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section	
for auxiliary contacts	18 14
Safety related data	
product function	
• mirror contact according to IEC 60947-4-1	Yes
 positively driven operation according to IEC 60947- 5-1 	No
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	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
suitability for use	Vee
safety-related switching OFF	Yes

Certificates/ approvals

General Product Approval

(((







Confirmation

EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>



Marine / Shipping

other







Confirmation

Miscellaneous

Confirmation

Railway

Special Test Certific-<u>ate</u>

Vibration and Shock

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=3RT1275-6NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1275-6NP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6NP3

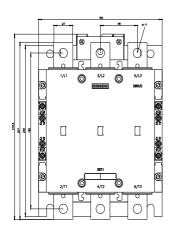
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

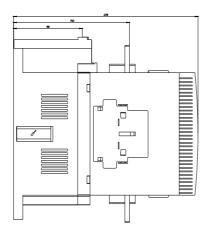
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1275-6NP36&lang=en

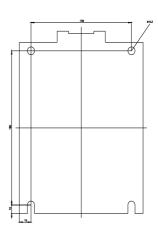
Characteristic: Tripping characteristics, I2t, Let-through current

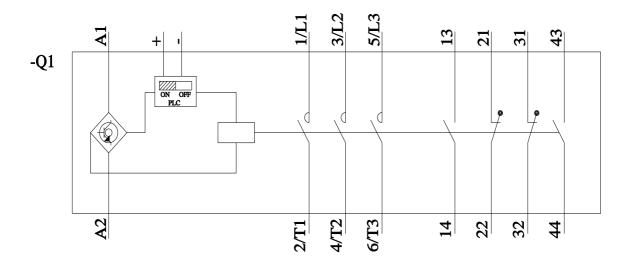
https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6NP36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1275-6NP36&objecttype=14&gridview=view1









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