SIEMENS

Data sheet

3RT2025-2NP30

power contactor, AC-3 17 A, 7.5 kW / 400 V 1 NO + 1 NC, AC (50-60 Hz) DC operation 200-280 V AC/DC, 3-pole, Size S0, Spring-type terminal



product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2

Constal technical data		
General technical data		
size of contactor	S0	
product extension		
 function module for communication 	No	
• auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	2.7 W	
 at AC in hot operating state per pole 	0.9 W	
power loss [W] for rated value of the current without load current share typical	4.3 W	
surge voltage resistance		
 of main circuit rated value 	6 kV	
 of auxiliary circuit rated value 	6 kV	
maximum permissible voltage for safe isolation		
 between coil and main contacts acc. to EN 60947-1 	400 V	

protection class IP			
• on the front	IP20		
• of the terminal	IP20		
shock resistance at rectangular impulse			
• at AC	7,5g / 5 ms, 4,7g / 10 ms		
• at DC	10g / 5 ms, 7,5g / 10 ms		
shock resistance with sine pulse			
• at AC	11,8g / 5 ms, 7,4g / 10 ms		
• at DC	15g / 5 ms, 10g / 10 ms		
mechanical service life (switching cycles)			
 of contactor typical 	10 000 000		
 of the contactor with added electronics- 	5 000 000		
compatible auxiliary switch block typical			
 of the contactor with added auxiliary switch 	10 000 000		
block typical			
reference code acc. to DIN EN 81346-2	Q		
Ambient conditions			
 installation altitude at height above sea level 	2 000 m		
maximum			
ambient temperature			
 during operation 	-25 +60 °C		
• during storage	-55 +80 °C		
Main circuit			
Main circuit number of poles for main current circuit	3		
	3 3		
number of poles for main current circuit			
number of poles for main current circuit number of NO contacts for main contacts			
number of poles for main current circuit number of NO contacts for main contacts operating voltage	3		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum	3		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current	3		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V	3 690 V		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value	3 690 V		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C	3 690 V 40 A		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C	3 690 V 40 A 40 A		
number of poles for main current circuitnumber of NO contacts for main contactsoperating voltage• at AC-3 rated value maximumoperating current• at AC-1 at 400 V— at ambient temperature 40 °C rated value• at AC-1— up to 690 V at ambient temperature 40 °C rated value— up to 690 V at ambient temperature 60 °C rated value— up to 690 V at ambient temperature 60 °C rated value	3 690 V 40 A 40 A		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-3	3 690 V 40 A 40 A 35 A		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value — at 500 V rated value	3 690 V 40 A 40 A 35 A		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value	3 690 V 40 A 40 A 35 A 17 A 17 A 13 A		
number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value — at 500 V rated value	3 690 V 40 A 40 A 35 A 17 A 17 A		

● at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	11.4 A
— up to 400 V for current peak value n=20 rated value	11.4 A
— up to 500 V for current peak value n=20 rated value	11.4 A
— up to 690 V for current peak value n=20 rated value	11.3 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	7.6 A
— up to 690 V for current peak value n=30 rated value	7.6 A
minimum cross-section in main circuit	
• at maximum AC-1 rated value	10 mm²
operating current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	7.7 A
• at 690 V rated value	7.7 A
at 690 V rated value operating current	7.7 A
	7.7 A
operating current	7.7 A 35 A
• at 1 current path at DC-1	
 operating current at 1 current path at DC-1 at 24 V rated value 	35 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value 	35 A 4.5 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value 	35 A 4.5 A 1 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 	35 A 4.5 A 1 A 0.4 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value 	35 A 4.5 A 1 A 0.4 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 	35 A 4.5 A 1 A 0.4 A 0.25 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 110 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 110 V rated value at 220 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 110 V rated value at 110 V rated value at 440 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value with 3 current paths in series at DC-1 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 220 V rated value at 240 V rated value at 600 V rated value at 440 V rated value at 240 V rated value at 240 V rated value at 240 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A 1 A 0.8 A
 operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 220 V rated value at 24 V rated value at 24 V rated value at 240 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value 	35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 0.8 A

operating current	
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	35 A
— at 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	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	3.5 kW
• at 690 V rated value	6 kW
operating apparent output at AC-6a	
 up to 230 V for current peak value n=20 rated value 	4.5 kV·A
 up to 400 V for current peak value n=20 rated value 	7.8 kV·A
 up to 500 V for current peak value n=20 rated value 	9.9 kV·A
• up to 690 V for current peak value n=20 rated value	13.6 kV·A
operating apparent output at AC-6a	
 up to 230 V for current peak value n=30 rated value 	3 kV·A
• up to 400 V for current peak value n=30 rated	5.2 kV·A

 up to 500 V for current peak value n=30 rated value 	6.6 kV·A				
 up to 690 V for current peak value n=30 rated value 	9.1 kV·A				
short-time withstand current in cold operating state					
up to 40 °C					
 limited to 1 s switching at zero current maximum 	225 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 5 s switching at zero current maximum 	225 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 10 s switching at zero current maximum 	180 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 30 s switching at zero current maximum 	115 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 60 s switching at zero current maximum 	96 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
● at AC	1 500 1/h				
• at DC	1 500 1/h				
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				
	300 1/h				
• at AC-4 maximum					
Control circuit/ Control					
	AC/DC				
Control circuit/ Control					
Control circuit/ Control type of voltage of the control supply voltage					
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	AC/DC				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	AC/DC 200 280 V				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value	AC/DC 200 280 V				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC	AC/DC 200 280 V 200 280 V				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated	AC/DC 200 280 V 200 280 V				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC	AC/DC 200 280 V 200 280 V 200 280 V				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value 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	AC/DC 200 280 V 200 280 V 200 280 V 0.7				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value	AC/DC 200 280 V 200 280 V 200 280 V 0.7 1.1				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value 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	AC/DC 200 280 V 200 280 V 200 280 V 0.7 1.1 0.7 1.1				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value 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 DC	AC/DC 200 280 V 200 280 V 200 280 V 0.7 1.1				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value 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 50 Hz • at 60 Hz	AC/DC 200 280 V 200 280 V 200 280 V 0.7 1.1 0.7 1.1 0.7 1.1 with varistor				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value 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 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 design of the surge suppressor inrush current peak	AC/DC 200 280 V 200 280 V 200 280 V 0.7 1.1 0.7 1.1 0.7 1.1 with varistor 25 A				
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value 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 50 Hz • at 60 Hz	AC/DC 200 280 V 200 280 V 200 280 V 0.7 1.1 0.7 1.1 0.7 1.1 with varistor				

Peak starting current	0.13 A
Duration of starting current	180 ms
Holding current average value	17 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	12.7 V·A
● at 60 Hz	14.7 V·A
inductive power factor with closing power of the coil	
● at 50 Hz	0.98
• at 60 Hz	0.98
apparent holding power of magnet coil at AC	
• at 50 Hz	3.9 V·A
• at 60 Hz	4.3 V·A
inductive power factor with the holding power of the coil	
● at 50 Hz	0.51
• at 60 Hz	0.56
closing power of magnet coil at DC	14.3 W
holding power of magnet coil at DC	1.9 W
closing delay	
• at AC	60 80 ms
• at DC	50 75 ms
opening delay	
• at AC	35 45 ms
● at DC	40 50 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
instantaneous contact	1
number of NO contacts for auxiliary contacts	
instantaneous contact	1
operating current at AC-12 maximum	10 A
operating current at AC-15	
 at 230 V rated value 	10 A

3 A

2 A

1 A

10 A

6 A

6 A

3 A

• at 400 V rated value

• at 500 V rated value

• at 690 V rated value operating current at DC-12

• at 24 V rated value

• at 48 V rated value

• at 60 V rated value

• at 110 V rated value

• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
operating 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 three-phase AC motor			
• at 480 V rated value	14 A		
• at 600 V rated value	17 A		
yielded mechanical performance [hp]			
 for single-phase AC motor 			
— at 110/120 V rated value	1 hp		
— at 230 V rated value	3 hp		
 for three-phase AC motor 			
— at 200/208 V rated value	3 hp		
— at 220/230 V rated value	5 hp		
— at 460/480 V rated value	10 hp		
— at 575/600 V rated value	15 hp		
contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
 for short-circuit protection of the main circuit 			
— with type of coordination 1 required	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)		
— with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)		
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
 side-by-side mounting 	Yes		

height	102 mm
width	45 mm
depth	 107 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 current 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 (1 10 mm²)
— single or multi-stranded	2x (1 10 mm²)
 finely stranded with core end processing 	2x (1 6 mm²)
 finely stranded without core end processing 	2x (1 6 mm²)
 at AWG conductors for main contacts 	2x (18 8)
connectable conductor cross-section for main	
contacts	
• solid	1 10 mm ²
 stranded 	1 10 mm ²
• finely stranded with core end processing	1 6 mm ²
 finely stranded with core end processing finely stranded without core end processing 	1 6 mm² 1 6 mm²
• finely stranded with core end processing	
 finely stranded with core end processing finely stranded without core end processing connectable conductor cross-section for auxiliary 	

.			
 finely stranded with core end processing 	0.5 1.5 mm²		
 finely stranded without core end processing 	0.5 2.5 mm²		
 type of connectable conductor cross-sections 			
for auxiliary contacts			
 — single or multi-stranded 	2x (0.5 2.5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²)		
— finely stranded without core end	2x (0.5 2.5 mm²)		
processing			
 type of connectable conductor cross-sections at 	2x (20 14)		
AWG conductors for auxiliary contacts			
AWG number as coded connectable conductor cross			
section			
 for main contacts 	18 8		
 for auxiliary contacts 	20 14		
Safety related data B10 value			
	1 000 000		
• with high demand rate acc. to SN 31920	1 000 000		
proportion of dangerous failures			
 with low demand rate acc. to SN 31920 	40 %		
 with high demand rate acc. to SN 31920 	73 %		
failure rate [FIT]			
 with low demand rate acc. to SN 31920 	100 FIT		
product function			
• mirror contact acc. to IEC 60947-4-1	Yes		
T1 value for proof test interval or service life acc. to	20 у		
IEC 61508			
protection against electrical shock	finger-safe		
suitability for use safety-related switching OFF	Yes		
suitability for use safety-related switching OFF Certificates/ approvals	Yes		

General Product	Approval				EMC
	CSA		<u>KC</u>	EHC	RCM
Functional Safety/Safety of Machinery	Declaration o	f Conformity	Test Certificates		Marine / Ship- ping
Type Examination Certificate	EG-Konf.	Miscellaneous	Type Test Certific- ates/Test Report	Special Test Certi- ficate	ABS
Marine / Shippin	g				
B U R E A U V E R I T A S	Llovd's Register LRS	PRS	RINA	RMRS	DNVGLCOM/AF
other					
Confirmation	VDE				

Further information

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=3RT2025-2NP30

Cax online generator

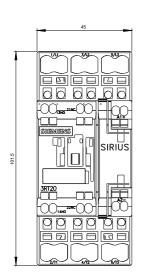
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2025-2NP30

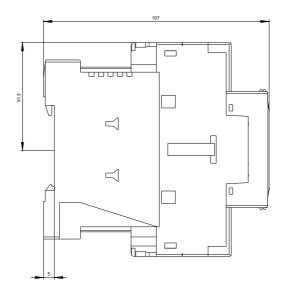
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-2NP30

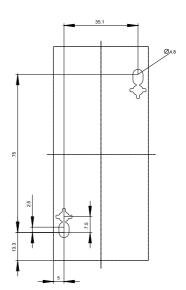
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2025-2NP30&lang=en

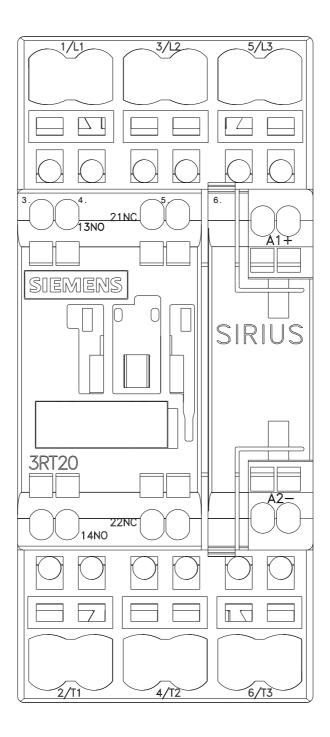
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-2NP30/char

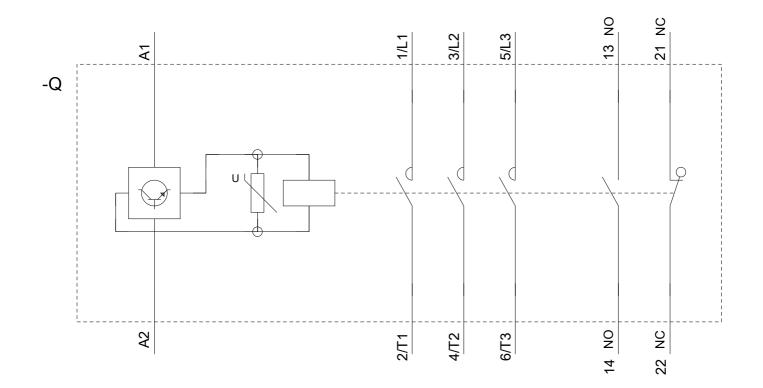
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2025-2NP30&objecttype=14&gridview=view1











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