## 3RT2038-1AP00-1AA0

**Data sheet** 



Power contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC, 230 V AC, 50 Hz 3-pole, size S2 screw terminals Upright mounting position

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current at AC in hot operating state	17.1 W
• per pole	5.7 W
power loss [W] for rated value of the current without load current share typical	16 W
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	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
shock resistance at rectangular impulse	
• at AC	11.8g / 5 ms, 7.4g / 10 ms
shock resistance with sine pulse	
• at AC	18.5g / 5 ms, 11.6g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2014 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
<ul> <li>ambient temperature during operation</li> </ul>	-25 +60 °C
ambient temperature during storage	-55 +80 °C
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

operational current	00.4
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	90 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	90 A
rated value	
<ul><li>up to 690 V at ambient temperature 60 °C</li></ul>	80 A
rated value	
• at AC-3	20.4
— at 400 V rated value	80 A
— at 500 V rated value	80 A
— at 690 V rated value	58 A
at AC-4 at 400 V rated value     at AC 5a up to 600 V rated value	55 A 79.2 A
at AC-5a up to 690 V rated value     at AC-5b up to 400 V rated value	66.4 A
<ul><li>at AC-5b up to 400 V rated value</li><li>at AC-6a</li></ul>	00.4 A
— up to 230 V for current peak value n=20 rated	70 A
value	10 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	70 A
— up to 500 V for current peak value n=20 rated	70 A
value	
<ul> <li>up to 690 V for current peak value n=20 rated</li> </ul>	58 A
value	
• at AC-6a	40.7.4
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	46.7 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	46.7 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	46.7 A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	46.7 A
minimum cross-section in main circuit at maximum AC-1 rated value	35 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	30 A
at 690 V rated value	24 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 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 reted value.	55 A
— at 24 V rated value	55 A 45 A
— at 110 V rated value — at 220 V rated value	45 A 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	0.07,
— at 24 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
operational current	
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A

— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 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	37 kW
• at AC-3	
— at 230 V rated value	22 kW
— at 400 V rated value	37 kW
— at 500 V rated value	37 kW
— at 690 V rated value	45 kW
operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	15.8 kW
at 690 V rated value	21.8 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	27.8 kV·A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	48.4 kV·A
• up to 500 V for current peak value n=20 rated value	60.6 kV·A
• up to 690 V for current peak value n=20 rated value	69.3 kV·A
operating apparent power at AC-6a	40.011/4
• up to 230 V for current peak value n=30 rated value	18.6 kV·A
• up to 400 V for current peak value n=30 rated value	32.3 kV·A
• up to 500 V for current peak value n=30 rated value	40.4 kV·A
• up to 690 V for current peak value n=30 rated value	55.8 kV·A
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	1 298 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 5 s switching at zero current maximum	898 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 10 s switching at zero current maximum	640 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 30 s switching at zero current maximum	414 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	333 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	, , , , , , , , , , , , , , , , , , , ,
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	700 1/h
• at AC-2 maximum	350 1/h
• at AC-3 maximum	500 1/h
• at AC-4 maximum	150 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	

● at 50 Hz	190 V·A
inductive power factor with closing power of the coil	100 V /\
at 50 Hz	0.72
apparent holding power of magnet coil at AC	0.72
• at 50 Hz	16 V·A
inductive power factor with the holding power of the	10 V A
coil	
● at 50 Hz	0.37
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
instantaneous contact	
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	10 A
• at 400 V rated value	3 A
<ul> <li>at 500 V rated value</li> </ul>	2 A
at 690 V rated value	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
<ul><li>at 24 V rated value</li></ul>	10 A
<ul><li>at 48 V rated value</li></ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.9 A
<ul> <li>at 220 V rated value</li> </ul>	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	
<ul> <li>at 480 V rated value</li> </ul>	65 A
at 600 V rated value	62 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	5 hp
— at 230 V rated value	15 hp
• for 3-phase AC motor	00.1
— at 200/208 V rated value	20 hp
— at 220/230 V rated value	25 hp
— at 460/480 V rated value	50 hp
— at 575/600 V rated value	60 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	

— with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)
— with type of assignment 2 required	gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	standing, on horizontal mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail
side-by-side mounting	according to DIN EN 60715 Yes
height	114 mm
width	55 mm
depth	130 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	40
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
<ul><li>for live parts</li></ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
type of electrical connection  • for main current circuit	screw-type terminals
for main current circuit	**
<ul><li>for main current circuit</li><li>for auxiliary and control circuit</li></ul>	screw-type terminals
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul>	screw-type terminals
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts	screw-type terminals Screw-type terminals Screw-type terminals
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts     — solid or stranded	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²)
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts     — solid or stranded     — finely stranded with core end processing     at AWG cables for main contacts  connectable conductor cross-section for main	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²)
for main current circuit         of rauxiliary and control circuit         at contactor for auxiliary contacts         of magnet coil          type of connectable conductor cross-sections             of or main contacts                  — solid or stranded                  — finely stranded with core end processing             of at AWG cables for main contacts  connectable conductor cross-section for main contacts	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing         at AWG cables for main contacts  connectable conductor cross-section for main contacts     finely stranded with core end processing     inely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing         at AWG cables for main contacts  connectable conductor cross-section for main contacts     finely stranded with core end processing connectable conductor cross-section for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing         at AWG cables for main contacts  connectable conductor cross-section for main contacts     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing         • at AWG cables for main contacts  connectable conductor cross-section for main contacts         • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²
for main current circuit         of rauxiliary and control circuit         at contactor for auxiliary contacts         of magnet coil  type of connectable conductor cross-sections         of rain contacts             — solid or stranded             — finely stranded with core end processing         ot at AWG cables for main contacts  connectable conductor cross-section for main contacts         of inely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         osolid or stranded         of inely stranded with core end processing  type of connectable conductor cross-sections	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²
for main current circuit         for auxiliary and control circuit         at contactor for auxiliary contacts             of magnet coil  type of connectable conductor cross-sections	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm² 0.5 2.5 mm²
for main current circuit         of rauxiliary and control circuit         at contactor for auxiliary contacts         of magnet coil  type of connectable conductor cross-sections         of rain contacts	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
for main current circuit         for auxiliary and control circuit         at contactor for auxiliary contacts             of magnet coil  type of connectable conductor cross-sections	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm² 0.5 2.5 mm²
for main current circuit         of rauxiliary and control circuit         at contactor for auxiliary contacts         of magnet coil  type of connectable conductor cross-sections         of rain contacts	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing         • at AWG cables for main contacts  connectable conductor cross-section for main contacts         • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts         — solid or stranded         — finely stranded with core end processing	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for main current circuit         of rauxiliary and control circuit         at contactor for auxiliary contacts         of magnet coil  type of connectable conductor cross-sections         of rain contacts             — solid or stranded             — finely stranded with core end processing         ot at AWG cables for main contacts  connectable conductor cross-section for main contacts         of finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         osolid or stranded         of inely stranded with core end processing  type of connectable conductor cross-sections         of rauxiliary contacts         — solid or stranded         — finely stranded with core end processing         ot auxiliary contacts         — solid or stranded         — finely stranded with core end processing         ot at AWG cables for auxiliary contacts  AWG number as coded connectable conductor	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)
for main current circuit         for auxiliary and control circuit         at contactor for auxiliary contacts             of magnet coil  type of connectable conductor cross-sections	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)  18 1
for main current circuit         of rauxiliary and control circuit         at contactor for auxiliary contacts         of magnet coil  type of connectable conductor cross-sections         of rain contacts             — solid or stranded             — finely stranded with core end processing         ot at AWG cables for main contacts  connectable conductor cross-section for main contacts         of finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         osolid or stranded         of inely stranded with core end processing  type of connectable conductor cross-sections         of rauxiliary contacts             — solid or stranded             — finely stranded with core end processing         ot auxiliary contacts         ot auxiliary contacts         other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts          other auxiliary contacts	screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)  18 1
for main current circuit     for auxiliary and control circuit     at contactor for auxiliary contacts     of magnet coil  type of connectable conductor cross-sections     for main contacts         — solid or stranded         — finely stranded with core end processing         • at AWG cables for main contacts  connectable conductor cross-section for main contacts      finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts         — solid or stranded         — finely stranded with core end processing  • at AWG cables for auxiliary contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor cross section for auxiliary contacts  • AWG number as coded connectable conductor cross section for auxiliary contacts	screw-type terminals Screw-type terminals Screw-type terminals  2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1)  1 35 mm²  0.5 2.5 mm²  0.5 2.5 mm²  2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14)  18 1  20 14

<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
product function	
<ul> <li>mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation acc. to IEC 60947-5-1</li> </ul>	No
T1 value for proof test interval or service life acc. to IEC 61508	20 y
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
suitability for use safety-related switching OFF	Yes
04:6:41	

Certificates/ approvals

**General Product Approval** 

**EMC** 







<u>KC</u>





**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

**Miscellaneous** 



Type Test **Certificates/Test** Report

**Special Test Certificate** 





Marine / Shipping













Confirmation

other

other

Confirmation

## **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=3RT2038-1AP00-1AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2038-1AP00-1AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1AP00-1AA0

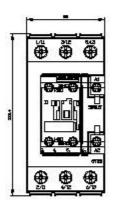
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

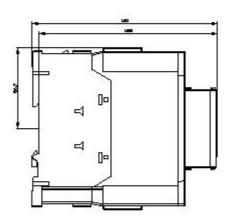
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2038-1AP00-1AA0&lang=en

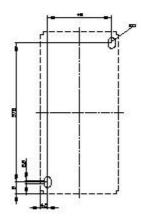
Characteristic: Tripping characteristics, I2t, Let-through current

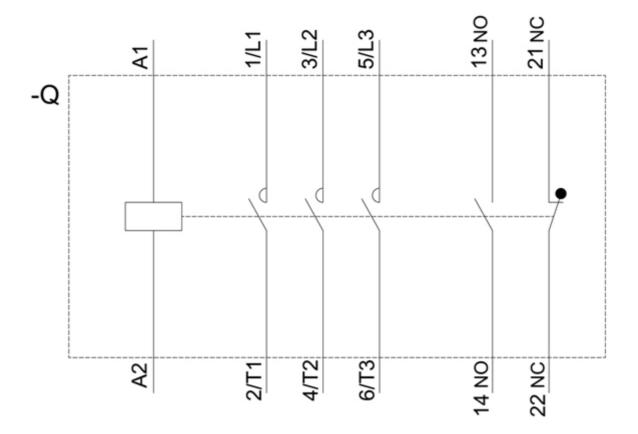
https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1AP00-1AA0/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2038-1AP00-1AA0&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2038-1AP00-1AA0&objecttype=14&gridview=view1</a>









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