SIEMENS

Data sheet 3RT2045-3NF30



power contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 83-155 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S3

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S3
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 	15.9 W
 at AC in hot operating state per pole 	5.3 W
 without load current share typical 	1.8 W
type of calculation of power loss depending on pole	quadratic
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	690 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	10.3g / 5 ms, 6,.g / 10 ms
• at DC	6.7 g / 5 ms, 4g / 10 ms
shock resistance with sine pulse	
• at AC	16.3g / 5 ms, 10.g / 10 ms
• at DC	10.6 g / 5 ms, 6.3 g / 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)	
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Weight	1.815 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	

during operation during stronge edury stronge relative hundridity minimum 10 % relative hundridity minimum 10 % relative hundridity minimum relative hundridity at 51 °C according to IEC 60088-2-30 maximum Environmental Product Debardation (EPD) Environmental Product Debardation (EPD) September 10	- during anarotica	25 100 %
relative humidity minimum relative humidity at 55 °C according to IEC 80068-2-30 95 % Environmental Product Declaration(EPD) Yes Clobal Warning Potential [CO2 ed] total Clobal Warning Potential [CO2 ed] during manufacturing 9, 35 kg Clobal Warning Potential [CO2 ed] during manufacturing 9, 35 kg Clobal Warning Potential [CO2 ed] during manufacturing 9, 35 kg Clobal Warning Potential [CO2 ed] during manufacturing 1,55 kg Manufacturi number of poles for main current circuit 1,000 V		
Professional Contents Prof		
Environmental Product Declaration(EPD) Environmental Product Declaration(EPD) Ves Global Warming Potential (CO2 eq) during manufacturing 9.35 kg Global Warming Potential (CO2 eq) during operation 259 kg Global Warming Potential (CO2 eq) during operation 259 kg Global Warming Potential (CO2 eq) during operation 259 kg Main circuit number of polas for main current circuit 3 number of NC contacts for main contacts 3 operating voltage • at AC3 state value maximum • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC3 rated value maximum • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC3 — up to 690 V at ambient temperature 60 °C rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC3 — at 400 V rated value • at AC4 at 400 V rated value • at AC5 — at 1000 V rated value • at AC4 at 400 V rated value • at AC5 up to 400 V rated value • at AC5 up to 400 V rated value • at AC5 up to 400 V rated value • at AC5 up to 500 V rated value • at 400 value • at 500 V rated value • at 600 V rated value •	•	
Environmental Product Declaration(EPD)	maximum	95 %
Global Warming Potential [CO2 eq] during manufacturing 9.35 kg	Environmental footprint	
Global Warming Potential [CO2 eq] during manufacturing 9.35 kg Global Warming Potential [CO2 eq] during operation 259 kg Global Warming Potential [CO2 eq] during operation 259 kg Main circuit 1 number of poles for main current circuit 3 number of NO contacts for main contacts 3 operating voltage 4 at AC-3 rated value maximum 1 000 V • at AC-3 rated value maximum 1 000 V operational current 4 at AC-3 rated value maximum 1 000 V operational current 4 at AC-3 rated value maximum 1 000 V operational current 4 at AC-3 rated value maximum 1 05 A value 4 at AC-3 rated value 58 A rate 500 V rated value 66 A rate 500 V rated value 67 A rated value 67 A rated value 67 A rated value 68 A rate 500 V rated value 69 A rated value 69 A rated value 60 A rated 500 Rated 500 A rated value 60 A rated 500 Rated 500 A rated value 60 A rated 500 Rated 500 A rated 500 Rated 500 A rated 500 A rated 500 Rated 500 A rated 500 Rated 500 Rated 500 Rated 500 A rated 500 Rated 5	Environmental Product Declaration(EPD)	Yes
Global Warming Potential (CO2 eq) duing operation 259 kg Global Warming Fotential (CO2 eq) after end of life -1.55 kg Mini circuit number of poles for main current circuit number of poles for main current circuit animber of No Contacts for main contacts 3 operating voltage • at AC-3 rated value maximum 1000 V operational current • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC-1 — up to 890 V at ambient temperature 40 °C rated value — up to 890 V at ambient temperature 60 °C rated value — up to 890 V at ambient temperature 60 °C rated value — up to 890 V rated value — at 890 V rated value — up to 890 V for current peak value n=20 rated value — up to 890 V for current peak value n=20 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rated value — up to 890 V for current peak value n=30 rat	Global Warming Potential [CO2 eq] total	267 kg
Global Warming Potential [CO2 eq] after end of life Minicrout number of poles for main current circuit a number of NO contacts for main contacts operating voltage at AC-3 rated value maximum at AC-3 rated value maximum 1 000 V at AC-3 rated value maximum 1 000 V operational current at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 at 400 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 1000 V rated value at 500 V rated value at 1000 V rated value at 500 V rated value at 1000 V rated value at 500 V rated value at 500 V rated value at 1000 V rated value at AC-3a up to 690 V rated value at AC-3a up to 690 V rated value at AC-5a up to 690 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value at AC-8a up to 500 V for current peak value n=20 rated value at AC-8a up to 500 V for current peak value n=20 rated value at AC-8a up to 500 V for current peak value n=20 rated value at AC-8a up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value at 600 V rated value at 600 V for current peak value n=30 rated value at 6	Global Warming Potential [CO2 eq] during manufacturing	9.35 kg
Main circuit number of poles for main current circuit 3 number of No Contacts for main contacts 3 operating voltage at AC-3 areated value maximum 1 000 V at AC-3 areated value maximum 1 000 V operational 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 125 A 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 40 C AC-3 400 V rated value 80 A 400 V rated value 800 A 400 V rated value	Global Warming Potential [CO2 eq] during operation	259 kg
number of Poles for main current circuit number of NO contacts for main contacts operating voltage • at 1 AC-3 rated value maximum 1 000 ∨ • at 1 AC-3 rated value maximum 1 000 ∨ operational current • at 1 AC-1 at 400 ∨ at ambient temperature 40 °C rated value • at AC-1 — up to 690 ∨ at ambient temperature 40 °C rated value • at AC-1 — up to 690 ∨ at ambient temperature 40 °C rated value • at AC-3 — at 400 ∨ rated value • at AC-3 — at 400 ∨ rated value • at AC-3 — at 400 ∨ rated value • at 500 ∨ rated value • at 500 ∨ rated value • at 1000 ∨ rated value • at 1000 ∨ rated value • at 40-3 — at 400 ∨ rated value • at 500 ∨ rated value • at 1000 ∨ rated value • at 1000 ∨ rated value • at 1000 ∨ rated value • at 40-3 — at 1000 ∨ rated value • at AC-3 — at 400 ∨ rated value • at AC-3 — at 1000 ∨ rated value • at AC-3 • at AC-5 • up to 690 ∨ rated value • at AC-5 • up to 500 ∨ for current peak value n=20 rated value — up to 500 ∨ for current peak value n=20 rated value — up to 500 ∨ for current peak value n=20 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — up to 500 ∨ for current peak value n=30 rated value — at 600 ∨ rated value • at 600 ∨ rated value	Global Warming Potential [CO2 eq] after end of life	-1.55 kg
number of NO contacts for main contacts operating voltage	Main circuit	
operating voltage at AC-3 rated value maximum at AC-2 rated value maximum 0 1000 V operational current at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 — up to 690 V at ambient temperature 60 °C rated value at AC-3 — at 400 V rated value at 400 V rated value at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at AC-3a up to 890 V rated value — at AC-5a up to 890 V rated value — at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — at 500 mm	number of poles for main current circuit	3
at AC-3 rated value maximum at AC-3 rated value maximum be at AC-3e rated value maximum at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 — up to 690 V at ambient temperature 60 °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 — at 690 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 600 V rated value — at 1000 V rated value — at AC-5a up to 690 V rated value at AC-5a up to 690 V rated value at AC-5a — up to 200 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 6	number of NO contacts for main contacts	3
• at AC-3e rated value maximum operational current • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC-1 — up to 680 V at ambient temperature 40 °C rated value — up to 680 V at ambient temperature 60 °C rated value — up to 680 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=50 rat	operating voltage	
operational 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 at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 500 V rated value — at 400 V rated value — at 1000 V rated value — at 690 V rated value — at 1000 V rated value — at AC-5a up to 690 V rated value — at AC-5a up to 690 V rated value — at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500	 at AC-3 rated value maximum 	1 000 V
• 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 • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value • at AC-3e — at 400 V rated value — at 500 V rated value • at AC-3e — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at AC-5a up to 690 V rated value • at AC-5a up to 690 V rated value — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak v	at AC-3e rated value maximum	1 000 V
value at AC-1 — up to 690 V at ambient temperature 40 °C rated value 105 A — up to 690 V at ambient temperature 60 °C rated value 105 A — at 400 V rated value 80 A — at 400 V rated value 80 A — at 500 V rated value 58 A — at 1000 V rated value 30 A • at AC-3e 80 A — at 400 V rated value 80 A — at 500 V rated value 58 A — at 1000 V rated value 80 A • at AC-3e up to 690 V rated value 80 A • at AC-5b up to 400 V rated value 80 A • at AC-6a 90 to 230 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value 80 A • at AC-8a 90 to 690 V for current peak value n=20 rated value 54 A • up to 690 V for current peak value n=20 rated value 54 A • up to 690 V for curr	operational current	
■ 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 ● at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at AC-5a up to 890 V rated value ● at AC-5a up to 890 V rated value ④ at AC-6a — up to 230 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — at 600 V rated value		125 A
- up to 690 V at ambient temperature 40 °C rated value - up to 690 V at ambient temperature 60 °C rated value - at 400 V rated value - at 400 V rated value - at 500 V rated value - at 1000 V rated value - at 1000 V rated value - at 1000 V rated value - at 400 V rated value - at 400 V rated value - at 690 V rated value - at 1000 V rated value - up to 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current pe		
value		
value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value • at AC-3e — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value • at AC-5a up to 690 V rated value • at AC-5a up to 690 V rated value • at AC-5b up to 400 V rated value • at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value • at AC-6a — up to 230 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value at 690 V rated value	value	
		105 A
at 500 V rated value	• at AC-3	
	— at 400 V rated value	80 A
 at 1000 V rated value at AC-3e — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at AC-4 at 400 V rated value — at AC-5a up to 690 V rated value — at AC-5b up to 400 V rated value — at AC-5a up to 690 V rated value — at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — at AC-6a — up to 400 V for current peak value n=30 rated value — at AC-6a — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for dated value — up to 690 V rated value — at 1000 V rated	— at 500 V rated value	80 A
at AC-3e — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at AC-4 at 400 V rated value — at AC-5a up to 690 V rated value — at AC-5b up to 690 V rated value — at AC-5b up to 400 V rated value — at AC-5b up to 400 V rated value — at AC-6a — up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 1 current path at DC-1	— at 690 V rated value	58 A
- at 400 V rated value 80 A - at 500 V rated value 58 A - at 1000 V rated value 58 A - at 1000 V rated value 30 A • at AC-4 at 400 V rated value 66 A • at AC-5a up to 690 V rated value 80 A • at AC-5b up to 400 V rated value 80 A • at AC-6a - up to 230 V for current peak value n=20 rated value 80 A - up to 500 V for current peak value n=20 rated value 80 A - up to 500 V for current peak value n=20 rated value 80 A - up to 690 V for current peak value n=20 rated value 80 A - up to 690 V for current peak value n=20 rated value 58 A - up to 690 V for current peak value n=30 rated value 54 A - up to 400 V for current peak value n=30 rated value 54 A - up to 500 V for current peak value n=30 rated value 54 A - up to 690 V for current peak value n=30 rated value 54 A - up to 690 V for current peak value n=30 rated value 54 A - up to 690 V for current peak value n=30 rated value 54 A - up to 500 V for current peak value n=30 rated value 54 A - up to 400 V for current peak value n=30 rated value 54 A - at 400 V rated value 34 A	— at 1000 V rated value	30 A
- at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value - at AC-4 at 400 V rated value - at AC-5a up to 690 V rated value - at AC-6a - up to 230 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 690 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - 4 A A - 4 at 400 V rated value - 4 400 V rated value - 4 at 690 V rated value - 4 4 A - 4 at 400 V rated value - 4 at 690 V rated value - 4 4 A - 4 at 690 V rated value	• at AC-3e	
- at 690 V rated value 58 A - at 1000 V rated value 66 A • at AC-4 at 400 V rated value 66 A • at AC-5a up to 690 V rated value 110 A • at AC-5b up to 400 V rated value 80 A • at AC-6a - up to 230 V for current peak value n=20 rated value 80 A - up to 500 V for current peak value n=20 rated value 80 A - up to 500 V for current peak value n=20 rated value 80 A - up to 690 V for current peak value n=20 rated value 80 A - up to 690 V for current peak value n=20 rated value 80 A - up to 500 V for current peak value n=20 rated value 58 A • at AC-6a - up to 230 V for current peak value n=30 rated value 54 A - up to 500 V for current peak value n=30 rated value 54 A - up to 500 V for current peak value n=30 rated value 54 A - up to 690 V for current peak value n=30 rated value 54 A - up to 690 V for current peak value n=30 rated value 54 A - up to 400 V rated value 154 A - up to 690 V for current peak value n=30 rated value 54 A - up to 400 V rated value 154 A - up to 400 V rated value 155 Mm² operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 400 V rated value • at 1 current path at DC-1	— at 400 V rated value	80 A
- at 1000 V rated value • at AC-4 at 400 V rated value • at AC-5a up to 690 V rated value • at AC-5b up to 400 V rated value • at AC-6a - up to 230 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value • at AC-6a - up to 230 V for current peak value n=30 rated value - up to 230 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value 54 A - up to 690 V for current peak value n=30 rated value 54 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1	— at 500 V rated value	80 A
at AC-4 at 400 V rated value at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value standard	— at 690 V rated value	58 A
at AC-5a up to 690 V rated value at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value oup to 690 V for current peak value n=30 rated value operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value at 1 current path at DC-1	— at 1000 V rated value	30 A
at AC-5b up to 400 V rated value at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 230 V for current peak value n=30 rated value at AC-6a — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operational current at 1 current path at DC-1	 at AC-4 at 400 V rated value 	66 A
at AC-6a — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value • at AC-6a — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 1 current path at DC-1	·	
- up to 230 V for current peak value n=20 rated value - up to 400 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value - at AC-6a - up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - 34 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value - at 690 V rated value - at 1 current path at DC-1	·	80 A
- up to 400 V for current peak value n=20 rated value - up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value • at AC-6a - up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value 54 A 55 minimum cross-section in main circuit at maximum AC-1 rated value value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1		
- up to 500 V for current peak value n=20 rated value - up to 690 V for current peak value n=20 rated value • at AC-6a - up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value 54 A 55 A 50 mm² 61 40 V rated value 62 4 A 63 4 A 64 690 V rated value 64 690 V rated value 65 4 A 66 24 A 67 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	· · · · · · · · · · · · · · · · · · ·	
 up to 690 V for current peak value n=20 rated value at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 54 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value at 1 current path at DC-1 	· · · · · · · · · · · · · · · · · · ·	
at AC-6a — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value 54 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operational current at 1 current path at DC-1	· · · · · · · · · · · · · · · · · · ·	
- up to 230 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value 54 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1	· · · · · · · · · · · · · · · · · · ·	58 A
- up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value 54 A 54 A 55 mm² 50 mm² 50 mm² 50 mm² 51 A 52 A 53 Mm² 54 A 54 A 55 mm² 55 mm² 55 mm² 56 mm² 57 mm² 58 mm² 59 mm² 50 mm²		
— up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value 54 A minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1	· · · · · · · · · · · · · · · · · · ·	
— up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1	· · · · · · · · · · · · · · · · · · ·	
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1		
value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1		
AC-4 • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1		50 mm ²
at 690 V rated value Operational current at 1 current path at DC-1 24 A		
operational current • at 1 current path at DC-1	• at 400 V rated value	34 A
• at 1 current path at DC-1	at 690 V rated value	24 A
	operational current	
at 24 V rated value	• at 1 current path at DC-1	
— at 24 v lateu value	— at 24 V rated value	100 A
— at 60 V rated value 60 A	— at 60 V rated value	60 A
— at 110 V rated value 9 A	— at 110 V rated value	9 A
— at 220 V rated value 2 A	— at 220 V rated value	2 A
— at 440 V rated value 0.6 A	— at 440 V rated value	0.6 A
— at 600 V rated value 0.4 A	— at 600 V rated value	0.4 A

with 2 current paths in series at DC-1	
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	10 A
— at 440 V rated value	1.8 A
— at 600 V rated value	1 A
with 3 current paths in series at DC-1	
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	80 A
— at 440 V rated value	4.5 A
— at 600 V rated value	2.6 A
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	40 A
— at 60 V rated value	6 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.15 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	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A
— at 220 V rated value	7 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	400.4
— at 24 V rated value	100 A
— at 60 V rated value	100 A
— at 110 V rated value	100 A 35 A
— at 220 V rated value — at 440 V rated value	0.8 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	45 kW
— at 690 V rated value	55 kW
— at 1000 V rated value	37 kW
• at AC-3e	
— at 230 V rated value	22 kW
— at 400 V rated value	37 kW
— at 500 V rated value	45 kW
— at 690 V rated value	55 kW
— at 1000 V rated value	37 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	17.9 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	31 kVA
• up to 400 V for current peak value n=20 rated value	55 kVA
• up to 500 V for current peak value n=20 rated value	69 kVA
• up to 690 V for current peak value n=20 rated value	69 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	21.5 kVA
 up to 400 V for current peak value n=30 rated value 	37.4 kVA

• up to 500 V for current peak value n=30 rated value	46.7 kVA
• up to 690 V for current peak value n=30 rated value	64.5 kVA
short-time withstand current in cold operating state up to 40 $^{\circ}\text{C}$	
 limited to 1 s switching at zero current maximum 	1 500 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	1 186 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	851 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	538 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	423 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	900 1/h
• at AC-2 maximum	400 1/h
• at AC-3 maximum	1 000 1/h
at AC-3e maximum	1 000 1/h
• at AC-4 maximum	300 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	83 155 V
at 60 Hz rated value	83 155 V
control supply voltage at DC rated value	83 155 V
operating range factor control supply voltage rated value of magnet coil at DC	- 00 100 V
• 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
design of the surge suppressor	with varistor
inrush current peak	1.5 A
duration of inrush current peak	50 μs
locked-rotor current mean value	1.1 A
locked-rotor current peak	2.7 A
duration of locked-rotor current	150 ms
holding current mean value	15 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	151 VA
• at 60 Hz	151 VA
apparent holding power	
 at minimum rated control supply voltage at DC 	1.8 VA
at maximum rated control supply voltage at DC	1.8 VA
apparent holding power	
 at minimum rated control supply voltage at AC 	
— at 50 Hz	3.1 VA
— at 60 Hz	3.1 VA
• at maximum rated control supply voltage at AC	
— at 50 Hz	3.1 VA
— at 60 Hz	3.1 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	3.1 VA
• at 60 Hz	3.1 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.95
● at 60 Hz	0.95
closing power of magnet coil at DC	76 W
holding power of magnet coil at DC	1.8 W
closing delay	
• at AC	50 70 ms

• at DC	50 70 ms
opening delay	
• at AC	38 57 ms
• at DC	38 57 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 instantaneous contact	1
number of NO contacts for auxiliary contacts instantaneous contact	1
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	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 10 V rated value at 110 V rated value	3 A
at 175 V rated value at 125 V rated value	2 A
at 125 V rated value at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	0.13 A
• at 24 V rated value	10 A
	2 A
• at 48 V rated value	
• 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	77 A
at 600 V rated value	62 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	7.5 hp
— at 230 V rated value	15 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	25 hp
— at 220/230 V rated value	30 hp
— at 460/480 V rated value	60 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	
for short-circuit protection of the main circuit	
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)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	140 mm
width	70 mm
depth	152 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	screw-type terminals
 for auxiliary and control circuit 	spring-loaded terminals
 at contactor for auxiliary contacts 	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections	
• for main contacts	
 finely stranded with core end processing 	2x (2.5 35 mm²), 1x (2.5 50 mm²)
 for AWG cables for main contacts 	2x (10 1/0), 1x (10 2)
connectable conductor cross-section for main contacts	
• solid	2.5 16 mm²
• stranded	6 70 mm²
 finely stranded with core end processing 	2.5 50 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
 finely stranded without core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid or stranded	2x (0.5 2.5 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²)
 finely stranded without core end processing 	2x (0.5 2.5 mm²)
 for AWG cables for auxiliary contacts 	2x (20 16)
AWG number as coded connectable conductor cross section	
• for main contacts	10 2
for auxiliary contacts	20 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
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	100111
ISO 13849 device type according to ISO 13849-1	3

IEC 61508
safety device type according to IEC 61508-2

Electrical Safety
protection class IP on the front according to IEC 60529
touch protection on the front according to IEC 60529

Approvals Certificates

Type A

IP20

IP20

finger-safe, for vertical contact from the front

Approvals Certificates

Approvais Certificates

General Product Approval

Confirmation









<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping

EAC



Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping









Confirmation

other

Special Test Certificate

Railway

Dangerous goods

Environment

Transport Information



Environmental Confirmations

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=3RT2045-3NF30

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2045-3NF30}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3NF30

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

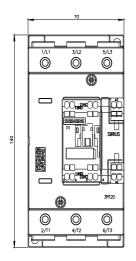
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-3NF30&lang=en

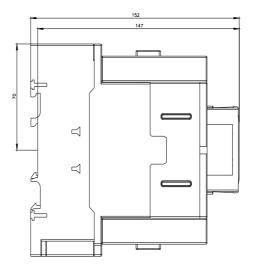
Characteristic: Tripping characteristics, I2t, Let-through current

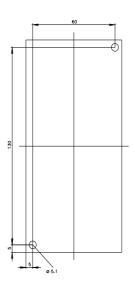
https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3NF30/char

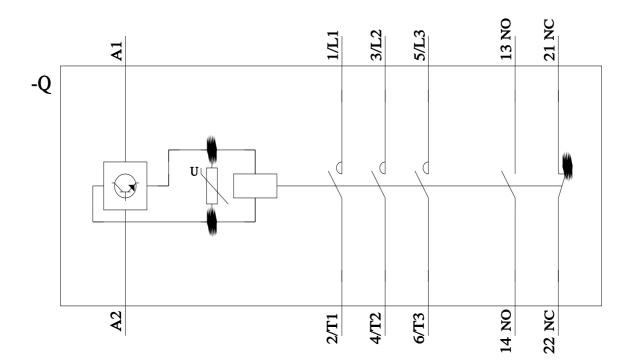
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-3NF30&objecttype=14&gridview=view1









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