SIEMENS

Data sheet 3RT2037-3NP30



Power contactor, AC-3 65 A, 30 kW / 400 V 1 NO + 1 NC, 175-280 V AC/DC with varistor 3-pole, size S2 Spring-type terminals

product designation Power contactor product type designation Size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • without load current sharet ypical insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of anializing vicruit with degree of pollution 3 rated value • of anializing vicruit with degree of pollution 3 rated value • of main circuit vith degree of pollution 3 rated value • of anializing vicruit with degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • of anializing vicruit vith degree of pollution 3 rated value • at AC • at DC substance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance at rectangular impulse • at AC • at DC rectance	product brand name	SIRIUS
Second contactor Second cont	product designation	Power contactor
size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of anxiliary circuit with degree of pollution 3 rated value • of anxiliary circuit with degree of pollution 3 rated value • of main circuit value devalue • of main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of waximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC 7.7g / 5 ms, 4.5g / 10 ms 7.7g / 5 ms, 4.5g / 10 ms shock resistance with sine pulse • at AC • at DC 12g / 5 ms, 7g / 10 ms 12g	product type designation	3RT2
product extension • function module for communication • auxilliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit rated value • of auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Quut of the contactor	General technical data	
• function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of xight and	size of contactor	S2
auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole without load current share typical of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of waxiliary circuit rated value of auxiliary circuit rated value of availiary switch block typical of the contactor with added electronically optimized auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) of union/2014 Ambient temperature of during operation over 11.4 W over 490 V over 400 V over 400 V over 50 ms, 4.5g / 10 ms 10 ms 10 ms 10 000 000 10 000 000 10 000 000 10 000 00	product extension	
power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole without load current share typical of main circuit with degree of pollution 3 rated value of awailiary circuit with degree of pollution 3 rated value of awailiary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of awailiary circuit rated value of awailiary circuit rated value of awailiary circuit rated value for awailiary circuit rated value of awailiary circuit rated value of awailiary circuit rated value for awailiary circuit rated value of the contactor with added electronically optimized awailiary switch block typical of the contactor with added awailiary switch block typical reference code according to IEC 81346-2 Quudonical service iffe (switching cycles) of the contactor with added awailiary switch block typical reference code according to IEC 81346-2 Quudonical service iffe (switching cycles) of the contactor with added awailiary switch block typical reference code according to IEC 81346-2 Quudonical service iffe (switching cycles) of the conditions installation altitude at height above sea level maximum ambient temperature of during operation	 function module for communication 	No
at AC in hot operating state at AC in hot operating state per pole without load current share typical insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of at AC of at DC shock resistance with sine pulse of at AC of the contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum of uning operation 11.4 W 3.8 W 3.8 W 690 V 690 V 690 V 400 V 690 V 69	auxiliary switch	Yes
at AC in hot operating state per pole without load current share typical insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of at AC of	power loss [W] for rated value of the current	
insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of main circuit rated value of auxiliary circuit rated value of a with contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of at DC of x,7g / 5 ms, 4.5g / 10 ms of x,7g / 5 ms, 4.5g / 10 ms of x,7g / 5 ms, 7g / 10 ms of x,7g / 5 ms, 7g / 10 ms of x,7g / 5 ms, 7g / 10 ms of x,7g / 5 ms, 7g / 10 ms of x,7g / 5 ms, 7g / 10 ms of x,7g / 5 ms, 7g / 10 ms of x,7g / 5 ms, 7g / 10 ms of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical	 at AC in hot operating state 	11.4 W
insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value 6 kV 6 kV maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC 12g / 5 ms, 4.5g / 10 ms 12g / 5 ms, 7g / 10 ms 12g / 5 ms, 7g / 10 ms mechanical service life (switching cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical	 at AC in hot operating state per pole 	3.8 W
of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value aximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of contactor with sine pulse of the Contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical	 without load current share typical 	2 W
of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of at DC of y 5 ms, 4.5g / 10 ms rectangular impulse of at AC of contactor with sine pulse of the contactor typical of the contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) installation altitude at height above sea level maximum ambient temperature oduring operation -25 +60 °C	insulation voltage	
surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse ot at AC ot AC r.7g / 5 ms, 4.5g / 10 ms shock resistance with sine pulse ot at AC ot AC 12g / 5 ms, 7g / 10 ms shock resistance with sine pulse ot at AC ot AC 12g / 5 ms, 7g / 10 ms mechanical service life (switching cycles) of contactor typical of the contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical	 of main circuit with degree of pollution 3 rated value 	690 V
of main circuit rated value of auxiliary circuit rated value amaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse o at AC o at DC shock resistance with sine pulse o at AC o at DC shock resistance with sine pulse o at AC o at DC mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical		690 V
of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse oat AC oat DC shock resistance with sine pulse oat AC oat DC at DC mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation 6 kV 400 V	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC at AC • at DC at AC • at DC 12g / 5 ms, 4.5g / 10 ms 12g / 5 ms, 7g / 10 ms mechanical service life (switching cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation 400 V 400 V 400 V 400 V 7.7g / 5 ms, 4.5g / 10 ms 12g / 5 ms, 7g / 10 ms 12g / 5 ms,	 of main circuit rated value 	6 kV
shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC • of the contactor lyfical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the con	of auxiliary circuit rated value	6 kV
 at AC at DC 7.7g / 5 ms, 4.5g / 10 ms shock resistance with sine pulse at AC at DC 12g / 5 ms, 7g / 10 ms at DC 12g / 5 ms, 7g / 10 ms of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation -25 +60 °C 		400 V
• at DC shock resistance with sine pulse • at AC • at DC mechanical service life (switching cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation 7.7g / 5 ms, 4.5g / 10 ms 12g / 5 ms, 7g / 10 ms 10 000 000 10 000 000 10 000 000 10 000 00	shock resistance at rectangular impulse	
shock resistance with sine pulse • at AC • at DC 12g / 5 ms, 7g / 10 ms mechanical service life (switching cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation 12g / 5 ms, 7g / 10 ms 10 000 000 10 000 000 10 000 000 10 000 00	• at AC	7.7g / 5 ms, 4.5g / 10 ms
 at AC at DC 12g / 5 ms, 7g / 10 ms mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation -25 +60 °C 	• at DC	7.7g / 5 ms, 4.5g / 10 ms
at DC mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation 12g / 5 ms, 7g / 10 ms 10 000 000 5 000 000 10 000 000 10 000 000 10 000 00	shock resistance with sine pulse	
mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Involved Involv	• at AC	12g / 5 ms, 7g / 10 ms
 of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation 10 000 000 2 000 000 	• at DC	12g / 5 ms, 7g / 10 ms
of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation 5 000 000 10 000 000 10 000 000 10 000 00	mechanical service life (switching cycles)	
auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation 10 000 000 10/01/2014 2 000 m 2 000 m	 of contactor typical 	10 000 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2014 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C		5 000 000
Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation 10/01/2014 2 000 m -25 +60 °C		10 000 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum ambient temperature ● during operation 2 000 m -25 +60 °C	Substance Prohibitance (Date)	10/01/2014
ambient temperature ● during operation -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	during operation	-25 +60 °C
	during storage	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
ain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
 at AC-3 rated value maximum 	690 V
 at AC-3e rated value maximum 	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 	80 A
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	80 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	70 A
• at AC-3	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
• at AC-3e	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
 at AC-4 at 400 V rated value 	55 A
at AC-5a up to 690 V rated value	70.4 A
at AC-5b up to 400 V rated value	53.9 A
• at AC-6a	
up to 230 V for current peak value n=20 rated value	56.9 A
 up to 400 V for current peak value n=20 rated value 	56.9 A
 up to 500 V for current peak value n=20 rated value 	56.9 A
— up to 690 V for current peak value n=20 rated value	47 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	38 A
— up to 400 V for current peak value n=30 rated value	38 A 38 A
 up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated 	38 A
value minimum cross-section in main circuit at maximum AC-1	25 mm²
rated value operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	28 A
at 690 V rated value	22 A
operational current	
• at 1 current path at DC-1	
— 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 rated value	55 A
— at 110 V rated value	45 A

— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1A
	0.1 A
— at 440 V rated value	
— at 600 V rated value	0.06 A
with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	55 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	55 A
— at 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	30 kW
• at AC-3	
— at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
• at AC-3e	OT RVV
— at 230 V rated value	18.5 kW
	30 kW
— at 400 V rated value	
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	14.7 kW
at 400 V rated value at 690 V rated value	20 kW
	ZU NVV
operating apparent power at AC-6a	22.6 kV/A
up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value	22.6 kVA
up to 400 V for current peak value n=20 rated value	39.4 kVA
• up to 500 V for current peak value n=20 rated value	49.2 kVA
up to 690 V for current peak value n=20 rated value	56.1 kVA
operating apparent power at AC-6a	45.4104
• up to 230 V for current peak value n=30 rated value	15.1 kVA
 up to 400 V for current peak value n=30 rated value 	26.2 kVA
 up to 500 V for current peak value n=30 rated value 	32.8 kVA
• up to 690 V for current peak value n=30 rated value	45.3 kVA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	1 055 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	730 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	520 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	336 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	272 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 500 1/h
- 40710	. 000 ///

• at DC	1 500 1/h
operating frequency	1 000 1/11
• at AC-1 maximum	800 1/h
at AC-1 maximum at AC-2 maximum	400 1/h
at AC-2 maximum at AC-3 maximum	700 1/h
at AC-3 maximum at AC-3e maximum	700 1/h
at AC-3e maximum at AC-4 maximum	200 1/h
	200 1111
Control circuit/ Control	ACIDO
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	175 290 V
• at 50 Hz rated value	175 280 V
• at 60 Hz rated value	175 280 V
control supply voltage at DC	47E 290 V
• rated value	175 280 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated	
value of magnet coil at AC	
• at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	5 A
duration of inrush current peak	30 µs
locked-rotor current mean value	0.2 A
locked-rotor current peak	0.42 A
duration of locked-rotor current	230 ms
holding current mean value	6 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
• at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	23 W
holding power of magnet coil at DC	1 W
closing delay	
• at AC	35 110 ms
• at DC	35 110 ms
opening delay	
• at AC	30 55 ms
• at DC	30 55 ms
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	
• at 230 V rated value	10 A
 at 400 V rated value 	3 A
 at 500 V rated value 	2 A
• at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A

* at 125 V rated value		
a 1800 V rated value	at 125 V rated value	2 A
operational current at DC-13 all 24 V raided value 10 A all 60 V raided value 2 A all 60 V raided value 2 A all 60 V raided value 10 A all 125 V raided value 0.9 A all 126 V raided value 0.1 A all 126 V raided value 0.1 A all 600 V raided value 0.1 A all 700 V raided value 0	 at 220 V rated value 	1 A
	at 600 V rated value	0.15 A
	operational current at DC-13	
■ at 10 V reted value ■ at 110 V reted value ■ at 1220 V reted value ■ at 220 V reted value ■ at 220 V reted value ■ at 800 V rete	 at 24 V rated value 	10 A
e st 110 V rated value	at 48 V rated value	2 A
• at 125 V rated value • at 220 V rated value • 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/UCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 800 V rated value • or at 101/120 V rated value • or at 101/120 V rated value • or at 200/208 V rated value • at 200 V rated value • of 3-phase AC motor — at 200/208 V rated value • at 200/208 V rated value — at 200/208 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 60/480 V rated value — or short-circuit protection design of the five link • for short-circuit protection of the main circuit — with type of assignment 2 required (aff. V. 80 kA) • or short-circuit protection of the auxiliary switch • or short-circuit protection 1	 at 60 V rated value 	2 A
e. at 220 V rated value	at 110 V rated value	1 A
e. at 220 V rated value	at 125 V rated value	0.9 A
• at 800 V rated value Contact reliability of auxillary contacts UUCSA retings full-load current (FLA) for 3-phase AC motor • at 800 V rated value • at 800 V rated value • of 800 V rated value • of 800 V rated value • of 100 V rated value • of 3-phase AC motor — at 1101/120 V rated value • of 3-phase AC motor — at 220/230 V rated value • of 3-phase AC motor — at 220/230 V rated value • of 3-phase AC motor — at 220/230 V rated value • of 3-phase AC motor — at 220/230 V rated value • of 100 pp — at 460/480 V rated value — at 1576600 V rated value — with type of contacts according to UL Short-circuit protection of the main circuit — with type of contaction 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch forward • for short-circuit protection of the auxiliary switch forward and backward by ± 2.25° on vertical mourting surface, can be tilled • side-by-side mounting • forwards • side-by-side mounting • forwards • of grounded parts — forwards — at the side • of or grounded parts — forwards — ownwards — at the side • ownwards • of rive parts — forwards — ownwards — ownwards • of rive parts — forwards — ownwards • of rive parts — forwards — ownwards — ow		
State Contact reliability of auxiliary contacts		
Section Comment Comm		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 65 A • at 480 V rated value 52 A yielded mechanical performance [http] • for single-phase AC motor — at 110/120 V rated value 10 hp • for single-phase AC motor — at 220/230 V rated value 20 hp — at 220/230 V rated value 50 hp — at 260/280 V rated value 50 hp — at 460/480 V rated value 50 hp — at 75/800 V rated value 50 hp — at 95/800 V rated value 50 hp — at 95/800 V rated value 50 hp — ontact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link 61 https://doi.org/10.000/10.00000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.0000/10.00000/10.0000/10.0000/10.00000/10.0000/10.0000/10.0000/10.00000/10.00000/10.0000/10.00000/10.000		readity switching per 100 million (17 V, 1 mA)
• at 600 V rated value 52 A		05.4
vielded mechanical performance [hp] of or single-phase AC motor		
• for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 220/230 V rated value — at 350/40 V rated value — at 55 hp — at 460/480 V rated value — at 575/600 V rated value — at 675/600 V rated value — at 60 v rate value — at 60 v rate value — with type of assignment 2 required — with type of assignment 2 required 4(415 V rate) — with type of assignment 2 required 4(415 V rate) 4(415 V		52 A
- at 110/120 V rated value - at 230 V rated value - 10 hp - 10	yielded mechanical performance [hp]	
■ at 230 V rated value ■ for 3-phase AC motor ■ at 200/230 V rated value ■ at 220/230 V rated value ■ at 220/230 V rated value ■ at 460/480 V rated value ■ at 475/600 V rated value ■ both p ■ at 475/600 V rated value ■ both p ■ contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link ■ for short-circuit protection of the main circuit ■ with type of coordination 1 required ■ for short-circuit protection of the auxiliary switch required ■ for short-circuit protection of the auxiliary switch required ■ for short-circuit protection of the auxiliary switch required ■ for short-circuit protection of the auxiliary switch required ■ for short-circuit protection of the auxiliary switch required ■ for short-circuit protection of the auxiliary switch required ■ side-by-side mounting/dimensions ■ hight ■ t-180° rotation possible on vertical mounting surface, can be tilted forward and backward by +f-22.5° on vertical mounting rail according to DIN EN 60715 ■ side-by-side mounting ■ height ■ this dide-by-side mounting ■ with side-by-side mounting ■ with side-by-side mounting ■ of forwards ■ 10 mm ■ cupwards ■ 10 mm ■ the side ■ forgrounded parts ■ forwards ■ 10 mm ■ of mowards ■ 10 mm ■ of mowards ■	5 .	
• for 3-phase AC motor — at 200/209 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxillary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxillary switch required • for short-circuit protection of the auxillary switch required 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 screw and snap-on mounting noto 35 mm standard mounting rail according to DIN EN 60715 Yes height #/ 114 mm width #/ 55 mm depth required spacing • with side-by-side mounting — of owards — upwards — odownwards — 10 mm — odownwards — 10 mm — of orwards — at the side — of oryounded parts — forwards — at the side — downwards — 10 mm • for live parts — forwards — forwards — of worwards — 10 mm • for live parts — forwards — odownwards — 10 mm — owards — oward	 — at 110/120 V rated value 	5 hp
- at 200/208 V rated value - at 220/230 V rated value 20 hp - at 220/230 V rated value 50 hp - at 4575/600 V rated value 50 hp - at 575/600 V rated value 70 hp - at 575/600 V rated 70 hp - at 70 hp	— at 230 V rated value	10 hp
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - other fuse link - for short-circuit protection design of the fuse link - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - with type of assignment 2 required - of or short-circuit protection of the auxiliary switch - with type of assignment 2 required - of or short-circuit protection of the auxiliary switch - of short-circuit protection of the saxiliary switch - of short-circuit protection of the auxiliary switch - of short-circuit protection of the saxiliary switch - of short-circuit prote	• for 3-phase AC motor	
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - other fuse link - for short-circuit protection design of the fuse link - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - with type of assignment 2 required - of or short-circuit protection of the auxiliary switch - with type of assignment 2 required - of or short-circuit protection of the auxiliary switch - of short-circuit protection of the saxiliary switch - of short-circuit protection of the auxiliary switch - of short-circuit protection of the saxiliary switch - of short-circuit prote	— at 200/208 V rated value	20 hp
- at 460/480 V rated value 50 hp 50 hp 50 hp contact rating of auxillary 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 assignment 2 required (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required (145 V, 80 kA) • for short-circuit protection of the auxiliary switch required (145 V, 80 kA) • for short-circuit protection of the auxiliary switch required (155 kg 690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required (155 kg 690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required (155 kg 690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) • for short-circuit protection of the auxiliary switch required (155 kg 690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) • for short-circuit protection of the main circuit - with type of assignment 2 required (415 V, 80 kA) • for short-circuit protection of the main circuit - with type of assignment 2 required (415 V, 80 kA) • for short-circuit protection of the main circuit - with type of assignment 2 required (415 V, 80 kA) • for low auxiliary switch required (415 V, 80 kA) - at the side (415 V, 80 kA) • for low auxiliary switch required (415 V, 80 kA) - at the side (415 V, 80 kA) • for low auxiliary switch required (415 V, 80 kA) - at the side (415 V, 80 kA) • for low auxiliary switch required (415 V, 80 kA) - at the side (415 V, 80 kA) • for low auxiliary switch required (415 V, 80 kA) - at the side	— at 220/230 V rated value	
- at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • side-by-side mounting/ dimensions mounting position • /-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes height 114 mm width depth • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • ownwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards • for live parts — forwards — upwards — ownwards — ownwards • for live parts — forwards — downwards — downwards — downwards — downwards — downwards — ownwards — own		
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position **Frake in the forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface **side-by-side mounting** **bight** **inthe indepth** 114 mm width 55 mm depth **orwards and short and an according to DIN EN 60715 **side-by-side mounting • with side-by-side mounting - downwards — at the side — downwards — at the side — downwards • for grounded parts — forwards — at the side — downwards • for live parts — forwards — upwards — downwards — ownwards — own		
Short-circuit protection design of the fuse link		·
design of the fuse link		7,000 7 7 000
• for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required 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 screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • onwards — downwards — downwards — on mm • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — ownwards • for live parts — forwards — upwards — upwards — ownwards — forwards — upwards — forwards — ownwards		
- with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required such as the side of the state of t		
(415 V, 80 kA) gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A (415 V,80kA) • for short-circuit protection of the auxiliary switch required required 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 scew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting • side-by-side mounting width #/-180" rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting rail according to DIN EN 60715 • side-by-side mounting • width 45	•	O 050 A (000) (400 LA) - NA 400 A (000) (400 LA) - D000 - 000 A
• for short-circuit protection of the auxiliary switch required 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 • side-by-side mounting • side-by-side mounting height 114 mm width 55 mm depth required spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — upwards — upwards — upwards — torwards — upwards — torwards — torwards — upwards — torwards — torwards — to mm • for ilve parts — forwards — upwards — torwards — torwards — to mm • downwards • to mm • for live parts — forwards — upwards — upwards — downwards • to mm • for live parts — forwards — upwards — downwards • to mm • for live parts — forwards — upwards — downwards • to mm • downwards — to mm • for live parts — forwards — upwards — upwards — upwards — downwards • to mm • downwards — to mm • downwards — upwards — upwards — upwards — upwards — to mm		(415 V, 80 kA)
Installation/ mounting/ dimensions mounting position	 — with type of assignment 2 required 	
Installation/ mounting/ dimensions		gG: 10 A (500 V, 1 kA)
mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting • side-by-side mounting Height 114 mm width 55 mm depth 130 mm required spacing • with side-by-side mounting — forwards — upwards — upwards — at the side • for grounded parts — forwards — upwards — upwards — to mm • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — to mm • for live parts — forwards — upwards — downwards — upwards — downwards — downwards — downwards — downwards — downwards — downwards — upwards — downwards — at the side 6 mm	·	
fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 114 mm width 55 mm depth 130 mm required spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — downwards — of mm — the side — for grounded parts — forwards — the side — forwards — the side — downwards — at the side — downwards — the side — downwards — to mm • for live parts — forwards — upwards — upwards — upwards — to mm — downwards — to mm — upwards — downwards — to mm — upwards — forwards — upwards — to mm — upwards — to mm — upwards — downwards — to mm — upwards — downwards — to mm — upwards — to mm — upwards — downwards — to mm — upwards — to mm		
e side-by-side mounting Yes height 114 mm width 55 mm depth 130 mm required spacing ● with side-by-side mounting — forwards — upwards — downwards — at the side — for grounded parts — forwards — upwards — at the side — downwards — at the side — forwards — at the side — formards — upwards — at the side — downwards — to mm • for live parts — forwards — upwards — upwards — forwards — downwards — downwards — downwards — forwards — forwards — forwards — downwards — forwards — forwards — forwards — forwards — downwards — to mm — downwards — forwards		forward and backward by +/- 22.5° on vertical mounting surface
height 114 mm width 55 mm depth 130 mm required spacing 10 mm • with side-by-side mounting 10 mm — forwards 10 mm — upwards 10 mm — at the side 0 mm • for grounded parts 10 mm — forwards 10 mm — at the side 6 mm • for live parts 10 mm — forwards 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	fastening method	
width 55 mm depth 130 mm required spacing 10 mm • with side-by-side mounting 10 mm — forwards 10 mm — upwards 10 mm — at the side 0 mm • for grounded parts 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	side-by-side mounting	Yes
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 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	height	114 mm
required spacing	width	55 mm
 with side-by-side mounting — forwards — upwards — downwards — at the side o mm o for grounded parts — forwards — upwards — upwards — at the side — at the side — downwards for live parts — forwards — forwards — upwards — downwards — for live parts — forwards — upwards — downwards — downwards — at the side 6 mm 	depth	130 mm
— forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	required spacing	
— forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	 with side-by-side mounting 	
— upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	,	10 mm
— downwards 10 mm — at the side 0 mm ● for grounded parts 10 mm — forwards 10 mm — upwards 6 mm — downwards 10 mm ● for live parts 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm		
 — at the side ● for grounded parts — forwards — upwards — at the side — downwards ● for live parts — forwards — upwards — upwards — downwards — downwards — downwards — at the side — form — downwards — downwards — at the side — form — form — form — downwards — form — form	·	
 for grounded parts forwards upwards at the side downwards for live parts forwards upwards downwards mm upwards downwards mm downwards at the side 6 mm 		
— forwards 10 mm — upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm		
— upwards 10 mm — at the side 6 mm — downwards 10 mm • for live parts 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm		10 mm
 — at the side — downwards • for live parts — forwards — upwards — downwards — downwards — at the side 6 mm 		
 — downwards ● for live parts — forwards — upwards — downwards — at the side 10 mm 10 mm 6 mm 	·	
 for live parts forwards upwards downwards at the side 10 mm 10 mm 6 mm		
 forwards upwards downwards at the side 10 mm 10 mm mm 6 mm 		10 111111
 upwards downwards at the side 10 mm 6 mm 	•	
downwardsat the side6 mm		
— at the side 6 mm	•	
	— downwards	10 mm
Connections/ Terminals	— at the side	6 mm
	Connections/ Terminals	

<pre>type of electrical connection</pre>
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Spring-type terminals for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts finely stranded with core end processing at AWG conductor cross-section for main contacts finely stranded with core end processing at AWG conductor cross-section for main contacts finely stranded with core end processing at a stranded with core
 at contactor for auxiliary contacts of magnet coil Spring-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) connectable conductor cross-section for main contacts finely stranded with core end processing 1 35 mm² connectable conductor cross-section for auxiliary
• 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 — onnectable conductor cross-section for main contacts • finely stranded with core end processing 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) connectable conductor cross-section for main contacts • finely stranded with core end processing 1 35 mm² connectable conductor cross-section for auxiliary
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 1 35 mm² 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) connectable conductor cross-section for main contacts • finely stranded with core end processing 1 35 mm²
 for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • at finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • connectable conductor cross-section for auxiliary • finely stranded with core end processing • finely stranded with core end proce
 — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • finely stranded with core end processing 1 35 mm² connectable conductor cross-section for auxiliary
 — finely stranded with core end processing at AWG cables for main contacts 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) connectable conductor cross-section for main contacts finely stranded with core end processing 1 35 mm² connectable conductor cross-section for auxiliary
 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
connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary 1 35 mm²
contacts ● finely stranded with core end processing 1 35 mm² connectable conductor cross-section for auxiliary
connectable conductor cross-section for auxiliary
• solid or stranded 0.5 2.5 mm ²
• 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
— 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)
• at AWG cables for auxiliary contacts 2x (20 14)
AWG number as coded connectable conductor cross section
• for main contacts 18 1
• 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
B10 value with high demand rate according to SN 31920 1 000 000
proportion of dangerous failures
• with low demand rate according to SN 31920 40 %
• with high demand rate according to SN 31920 73 %
failure rate [FIT] with low demand rate according to SN 100 FIT 31920
T1 value for proof test interval or service life according to IEC 61508
protection class IP on the front according to IEC 60529 IP20
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front
suitability for use
• safety-related switching OFF Yes
Certificates/ approvals

General Product Approval





Confirmation



Miscellaneous

<u>KC</u>





Type Examination Certificate





Type Test Certificates/Test Report

Test Certificates

Marine / Shipping

Special Test Certificate











Marine / Shipping

other

Railway

Dangerous Good





Confirmation

Confirmation

Vibration and Shock

<u>Transport Information</u>

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=3RT2037-3NP30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2037-3NP30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-3NP30

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

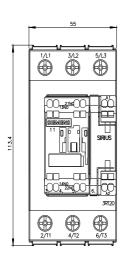
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2037-3NP30&lang=en

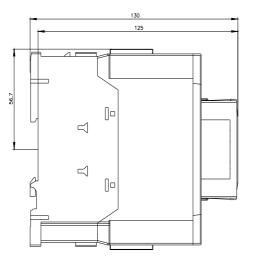
Characteristic: Tripping characteristics, I2t, Let-through current

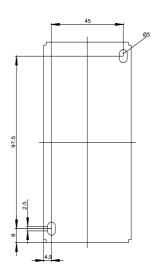
https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-3NP30/char

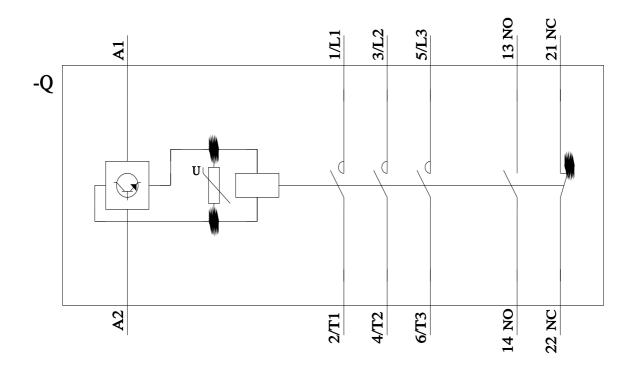
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2037-3NP30&objecttype=14&gridview=view1









last modified: 2/15/2022 🖸