SIEMENS

Data sheet 3RT2035-3NF30



power contactor, AC-3 40 A, 18.5 kW / 400 V 1 NO + 1 NC, AC / DC 84-155 V, with varistor, 3-pole, Size S2, Spring-type terminal

product type designation product type designation general technical data 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 • 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 auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • of auxiliary circuit rated value • at AC • at DC 7.7g / 5 ms, 4.5g / 10 ms • at AC • at DC mochanical 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	product brand name	SIRIUS
Size of contactor	product designation	Power contactor
size of contactor product extension • function module for communication • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • 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 auxiliary circuit rated value • of would collage for safe isolation between coll 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 shock resistance with sine pulse • at AC • at DC 12g / 5 ms, 7g / 10 ms 2g / 5 ms, 7g / 10 ms 12g / 5 ms,	product type designation	3RT2
product extension • function module for communication • auxillary 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 tated value • of auxiliary circuit rated value • of main circuit rated value • of main circuit rated value • of main circuit rated value • of auxiliary circuit rated value • of xouxiliary switch lock typical • of the contactor with added electronically optimized auxiliary switch block 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 reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation	General technical data	
• function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state 6.6 W • without load current share typical 2 W insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 7.7g / 5 ms, 4.5g / 10 ms • at AC 7.7g / 5 ms, 4.5g / 10 ms • at DC 7.7g / 5 ms, 7g / 10 ms • at DC 12g / 5 ms, 7g / 10 ms • at DC 12g / 5 ms, 7g / 10 ms • of contactor typical 10 000 000 • 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 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical	size of contactor	S2
auxiliary switch power loss [W] for rated value of the current	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 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 the Contactor state 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 of during operation - 6.6 W - 22 +60 °C	 function module for communication 	No
at AC in hot operating state eprole 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 rated value of main circuit rated value of auxiliary circuit rated value of avxiliary avxiliary in avx	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 avxiliary circuit rated value of axiliary switch sine pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added dectronically 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 reference code according to IEC 81346-2 Questional conditions installation altitude at height above sea level maximum of auxiliary aux	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 main circuit rated value of auxiliary circuit rated value of the 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation	 at AC in hot operating state 	6.6 W
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 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 • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance with sine pulse • at AC • of contactor Upical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary	 at AC in hot operating state per pole 	2.2 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 active of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary sible 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 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 a	 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 circuit rated value of the Contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of C of C of C of S, 7,7g / 5 ms, 4.5g / 10 ms resistance with sine pulse of the C of contactor with sine pulse 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	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 A	 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 or at DC or contactor typical 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 cont		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 at DC at DC 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) installation altitude at height above sea level maximum ambient temperature oduring operation od the contactor with added auxiliary aux	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 shock resistance with sine pulse • at AC • at DC 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 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 7.7g / 5 ms, 4.5g / 10 ms 12g / 5 ms, 7g / 10 ms 12g / 5	 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 contactor 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 c	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 (switching cycles) 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 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 at	shock resistance at rectangular impulse	
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 reference code according to IEC 81346-2 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 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation 10 000 000 10 000	• 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 of during operation 10 000 000 10/001/2014 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	95 %
maximum	
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
 at AC-3 rated value maximum 	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C	60 A
rated value	
• at AC-1	00.4
 up to 690 V at ambient temperature 40 °C rated value 	60 A
— up to 690 V at ambient temperature 60 °C	55 A
rated value	00 A
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value	35 A
• at AC-5a up to 690 V rated value	52.8 A
at AC-5b up to 400 V rated value	33.2 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	36.5 A
 up to 400 V for current peak value n=20 rated value 	36.5 A
— up to 500 V for current peak value n=20 rated value	36.5 A
 up to 690 V for current peak value n=20 rated value 	24 A
• at AC-6a	
 up to 230 V for current peak value n=30 rated value 	24.2 A
— up to 400 V for current peak value n=30 rated value	24.2 A
 — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated 	24.2 A 24 A
— up to 690 v for current peak value n=30 rated value	27 N
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	22 A
at 690 V rated value	18.5 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 220 V rated value	5 A

— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— 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	1 A
— at 440 V rated value	0.1 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	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	18.5 kW
• at AC-3	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 230 V rated value	11 kW
— at 400 V rated value	18.5 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	11.6 kW
at 400 V rated value at 690 V rated value	16.8 kW
operating apparent power at AC-6a	TO.O KVV
• up to 230 V for current peak value n=20 rated value	14.5 kVA
 up to 250 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value 	25.2 kVA
 up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value 	31.6 kVA
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 	28.6 kVA
operating apparent power at AC-6a	20.0 1.77
up to 230 V for current peak value n=30 rated value	9.6 kVA
up to 400 V for current peak value n=30 rated value	16.8 kVA
up to 500 V for current peak value n=30 rated value	21 kVA
• up to 690 V for current peak value n=30 rated value	28.6 kVA
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	843 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	596 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 10 s switching at zero current maximum	400 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 30 s switching at zero current maximum	241 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	196 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 500 1/h

-+ 0.0	4 F00 4 /L
• at DC	1 500 1/h
operating frequency	
• at AC-1 maximum	1 200 1/h
• at AC-2 maximum	750 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	NOIDO
at 50 Hz rated value	83 155 V
at 60 Hz rated value	83 155 V
control supply voltage at DC	00 455 //
• rated value	83 155 V
operating range factor control supply voltage rated	
value of magnet coil at DC	0.0
• initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated	
value of magnet coil at AC	00 44
• 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	0.45 A
locked-rotor current peak	0.8 A
duration of locked-rotor current	230 ms
holding current mean value	12 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	10 1/1
• 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	1
instantaneous contact	
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

a 200 V rated value	at 125 V rated value	2 A
operational current at DC-13 at 24 V rated value 10 A at 60 V rated value 2 A at 60 V rated value 2 A at 60 V rated value 0.9 A at 125 V rated value 0.9 A at 125 V rated value 0.1 A at 125 V rated value 0.1 A at 126 V rated value 0.1 A contact rate initiality of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)	 at 220 V rated value 	1 A
10 A	at 600 V rated value	0.15 A
at 48 V field value	operational current at DC-13	
e at 10 V rated value	 at 24 V rated value 	10 A
eat 110 V rated value	 at 48 V rated value 	2 A
• at 125 V rated value • 220 V rated value • 2120 V rated value • 3 at 600 V rated value • 3 at 600 V rated value • 3 at 600 V rated value • 4 480 V rated value • 4 480 V rated value • 4 180 V rated value • 4 180 V rated value • 5 at 600 V rated value • 1 480 V rated value • 1 480 V rated value • 1 5 ros insighe phase AC motor - 4 110 (120 V rated value - 4 10 A	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 500 V rated value Contact reliability of auxiliary contacts UIUCSA ratings Tull-load current (FLA) for 3-phase AC motor • at 800 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • for 3-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • at 7.5 hp 6 vite for sold v rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 3-phase AC motor — at 200/230 V rated value • for 5-for-600 V rated value • for short-circuit protection 6 vite five selink • for short-circuit protection of the main circuit — 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 • 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 • 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 • side-by-side mounting • side-by-side mounting • for switch samples • fo		
Contact reliability of auxiliary contacts		
Substitution Subs		
Tull-load current (FLA) for 3-phase AC motor • at 480 V rated value		r faulty switching per 100 million (17 V, 1 mA)
• at 480 V rated value • at 600 V rated value • yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 250/230 V rated value — at 75/600 V rated value — with type of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the main circuit — 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 • 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 ### A 180 * rotation possible on vertical mounting surface: can be titled forward and backward by */* 22.5° on vertical mounting surface: can be titled forward and backward by */* 22.5° on vertical mounting surface: can be titled forward and backward by */* 22.5° on vertical mounting surface: can be titled forward and backward by */* 22.5° on vertical mounting surfa		
• at 600 V rated value 41 A yielded mechanical performance [hp] • for single-phase AC motor		
vielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value	at 480 V rated value	
• for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	at 600 V rated value	41 A
- at 110/120 V rated value - at 230 V rated value - 7.5 hp - 10 ray-phase AC motor - at 200/208 V rated value - 10 hp - at 220/230 V rated value - 15 hp - at 250/208 V rated value - 30 hp - at 2575/500 V rated value - 30 hp - at 575/500 V rated value - 40 hp - at 575/500 V rated value - 40 hp - at 575/500 V rated value - 40 hp - at 575/500 V rated value - 40 hp - at 575/500 V rated value - 40 hp - at 575/500 V rated value - 40 hp - 40	yielded mechanical performance [hp]	
• for 3-phase AC motor - at 200/208 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 - with type of coordination 1 required - 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 - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - forstand and backward by +/-22.5° 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 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 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 - forwards - upwards - forwards - forwards - formards - forwards - for	 for single-phase AC motor 	
■ 1230 V rated value ● for 3-phase AC motor ■ at 200/203 V rated value ■ at 220/230 V rated value ■ at 220/230 V rated value ■ at 4575/600 V rated value ■ at 575/600 V rated value ■ at 675/600 V rated value ■ other circuit protection design of the fuse link ■ for short-circuit protection of the main circuit ■ with type of coordination 1 required ■ of short-circuit protection of the auxiliary switch required ■ of short-circuit protection of the auxiliary switch required ■ of 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 Installation/ mounting/ dimensions ##/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 ##/50* Side-by-side mounting ##/50* I 144 mm ##/40* ##/50* ##	— at 110/120 V rated value	3 hp
• for 3-phase AC motor — at 200/208 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 — 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 — 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 • 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 forward and backward by +/- 22.5° 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 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 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 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 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 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 surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward	— at 230 V rated value	
- at 200/208 V rated value - at 220/230 V rated value 15 hp 30 hp - at 480/480 V rated value 940 hp - at 480/480 V rated value 40 hp - at 575/600 V rated value 40 hp		
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - 40 hp - 4575/600 V rated value - 40 hp - 4575/600 V rated value - 40 hp - 460/480 V rated value - 460/480 V	•	10 hp
- at 460/480 V rated value 40 hp - at 575/600 V rated value 40 hp 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 • for short-circuit protection of the auxiliary switch required and backward by +/2 2.5° on vertical mounting surface; can be tilted forward and backward by +/2 2.5° on vertical mounting rall according to DIN EN 60715 • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting - forwards - downwards - at the side - downwards - at the side - downwards - at the side - downwards - for live parts - forwards - for live parts - forwards - downwards -		·
- at 575/600 V rated value 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 v, 80 kA) with type of assignment 2 required of or short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position ***		
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 • 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 fastening method • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting — forwards — downwards — at the side — downwards • for live parts — forwards • for live parts — forwards • for wards • for live parts — downwards — forwards — downwards — forwards — downwards • for live parts — forwards — downwards — downwards — downwards — forwards — downwards — forwards — downwards — forwards — downwards — downwards — forwards — forwards — downwards — forwards — downwards — forwards — downwards — forwards — downwards		
Short-circuit protection design of the fuse link		
design of the fuse link		A600 / P600
• 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 • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch 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 can be tilted forward and backward by +/- 22.5* on vertical mounting rail according to DIN EN 60715 • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • forwards — upwards — downwards — at the side — orwards — upwards — of orwards — of orwa	Short-circuit protection	
- 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 fastening method - screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 - side-by-side mounting - side-by-side mounting - with side-by-side mounting - forwards - upwards - downwards - at the side - downwards - upwards - the side - downwards - the side - downwards - forwards - forwards - forwards - upwards - forwards - upwards - forwards - forwards - upwards - forwards - upwards - forwards - forwards - upwards - forwards - upwards - forwards - upwards - forwards - forward	•	
with type of assignment 2 required of or short-circuit protection of the auxiliary switch required To 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; 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 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 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 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 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 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 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 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 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 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 surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertic	 for short-circuit protection of the main circuit 	
• 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 screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes height 114 mm width 55 mm depth - forwards - upwards - downwards - at the side for grounded parts - forwards - at the side - downwards -	— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
Installation/ mounting/ dimensions mounting position	 — with type of assignment 2 required 	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)
Installation/ mounting/ dimensions mounting position	 for short-circuit protection of the auxiliary switch 	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 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 — upwards — to mm • for orwards — to mm • for grounded parts — forwards — upwards — at the side — downwards — to mm • for live parts — forwards — forwards — downwards 10 mm • for live parts — forwards — upwards — downwards — upwards — downwards — downwards — upwards — downwards — at the side 6 mm		
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 Pes 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 • for mm — downwards — odownwards — of mm — of mwards — of mm — of mwards — of mm — of mwards — of mm • for live parts — forwards — upwards — upwards • for live parts — forwards — upwards — ownwards — ownwards 10 mm • for live parts — forwards — upwards — ownwards — o	Installation/ mounting/ dimensions	
e side-by-side mounting height width depth required spacing ● with side-by-side mounting — forwards — upwards — at the side — downwards — upwards — at the side — downwards — at the side — downwards — of rorwards — upwards — in mm — the side — downwards — in mm — the side — downwards — in mm — the side — downwards — in mm — at the side — downwards — at the side — downwards — forwards — at the side — downwards — for live parts — forwards — upwards — upwards — downwards — of mm — upwards — downwards — in mm — downwards — downwards — upwards — downwards — the side — downwards — the side — downwards — the side — downwards — at the side	mounting position	
height 114 mm width 55 mm depth 130 mm required spacing 0 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	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
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 • for live parts 10 mm — forwards 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm	 side-by-side mounting 	Yes
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 • for live parts 10 mm — forwards 10 mm — upwards 10 mm — downwards 10 mm — downwards 10 mm — at the side 6 mm		114 mm
depth 130 mm required spacing • with side-by-side mounting — forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 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 ● with side-by-side mounting — forwards — upwards — 10 mm — downwards — 10 mm — at the side 0 mm ● for grounded parts — forwards — upwards — upwards — at the side 6 mm — downwards 10 mm ● for live parts — forwards — upwards — upwards — to mm ● for live parts — forwards — upwards — upwards — upwards — to mm ■ for live parts — forwards — upwards — upwards — upwards — upwards — to mm — downwards — to mm — downwards — at the side — downwards — at the side — formards — to mm		
 with side-by-side mounting — forwards — upwards — downwards — at the side — for grounded parts — forwards — upwards — upwards — at the side — downwards — for live parts — forwards — forwards — downwards — for live parts — forwards — downwards — upwards — forwards — forwards — upwards — upwards — downwards — at the side 6 mm 	<u> </u>	
— forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 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 — 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 — 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 — 6 mm 	•	
 for grounded parts forwards upwards at the side downwards for live parts forwards upwards upwards downwards mm upwards downwards mm at the side 6 mm 		
 — forwards — upwards — at the side — downwards • for live parts — forwards — forwards — upwards — downwards — downwards — at the side 10 mm — mm — at the side 10 mm — mm 		0 mm
 — upwards — at the side — downwards • for live parts — forwards — upwards — downwards — downwards — at the side 10 mm 10 mm 6 mm 	-	
 — at the side — downwards • for live parts — forwards — upwards — downwards — downwards — at the side 6 mm 6 mm 	— forwards	10 mm
 — downwards ● for live parts — forwards — upwards — downwards — at the side 10 mm 10 mm 6 mm 	— upwards	10 mm
 for live parts — forwards — upwards — downwards — at the side 10 mm 10 mm 6 mm 	— at the side	6 mm
 forwards upwards downwards at the side 10 mm 10 mm 6 mm 	— downwards	10 mm
 forwards upwards downwards at the side 10 mm 10 mm 6 mm 	for live parts	
 upwards downwards at the side 10 mm 6 mm 		10 mm
downwardsat the side6 mm		
— at the side 6 mm		
Connections/ Terminals		VIIIII
	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	
— solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)
 finely stranded with core end processing 	2x (1 25 mm²), 1x (1 35 mm²)
at AWG cables for main contacts	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 contacts	
 solid or stranded 	0.5 2.5 mm²
 finely stranded with core end processing 	0.5 1.5 mm ²
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 	No
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 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
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	

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

Transport Information

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=3RT2035-3NF30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-3NF30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3NF30

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

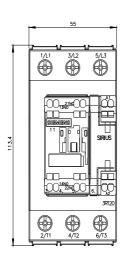
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2035-3NF30&lang=en

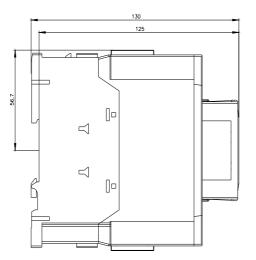
Characteristic: Tripping characteristics, I2t, Let-through current

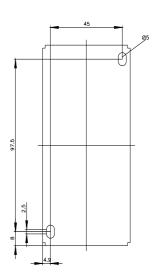
 $\underline{https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-3NF30/char}$

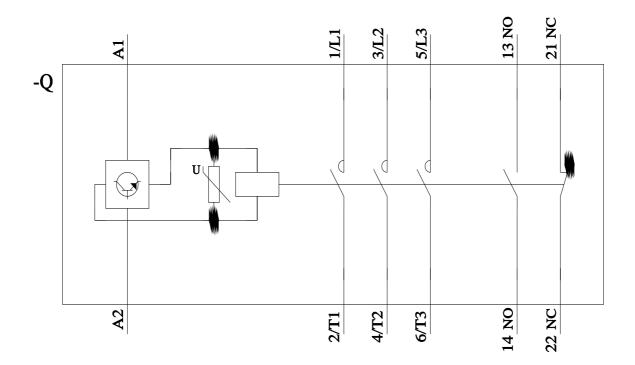
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-3NF30&objecttype=14&gridview=view1









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