SIEMENS

Data sheet 3RT1054-6NB36

0101110



power contactor, AC-3e/AC-3 115 A, 55 kW / 400 V, AC (50-60 Hz) / DC Uc: 21-27.3 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S6
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	21 W
 at AC in hot operating state per pole 	7 W
without load current share typical	2.8 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
of auxiliary circuit with degree of pollution 3 rated value	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 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 	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	160 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	160 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	140 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	80 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	80 A
• at AC-3	
— at 400 V rated value	115 A
— at 500 V rated value	115 A
— at 690 V rated value	115 A
— at 1000 V rated value	53 A
• at AC-3e	
— at 400 V rated value	115 A
— at 500 V rated value	115 A
— at 690 V rated value	115 A
— at 1000 V rated value	53 A
• at AC-4 at 400 V rated value	97 A
• at AC-5a up to 690 V rated value	140 A
at AC-5b up to 400 V rated value	95 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	115 A
— up to 400 V for current peak value n=20 rated value	115 A
— up to 500 V for current peak value n=20 rated value	115 A
— up to 690 V for current peak value n=20 rated value	115 A
— up to 1000 V for current peak value n=20 rated	53 A
value	
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	98 A
— up to 400 V for current peak value n=30 rated value	98 A
— up to 500 V for current peak value n=30 rated value	98 A
— up to 690 V for current peak value n=30 rated value	98 A
up to 1000 V for current peak value n=30 rated value	53 A
minimum cross-section in main circuit at maximum AC-1 rated value	70 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	54 A
at 690 V rated value	48 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	160 A
— at 60 V rated value	160 A

1000.77	00.4
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	11.5 A
— at 600 V rated value	4 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	160 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	37 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	110 kW
— at 1000 V rated value	75 kW
• at AC-3e	
— at 230 V rated value	37 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	110 kW
— at 1000 V rated value	75 kW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	29 kW
at 690 V rated value	48 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	40 000 kVA
 up to 400 V for current peak value n=20 rated value 	80 000 VA
 up to 500 V for current peak value n=20 rated value 	100 000 VA
 up to 690 V for current peak value n=20 rated value 	130 000 VA
• up to 1000 V for current peak value n=20 rated value	90 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	30 000 VA
• up to 400 V for current peak value n=30 rated value	60 000 VA
• up to 500 V for current peak value n=30 rated value	80 000 VA
• up to 690 V for current peak value n=30 rated value	110 000 VA
• up to 1000 V for current peak value n=30 rated value	90 000 VA
short-time withstand current in cold operating state up to	
40 °C	

minded to 5 a switching at zero current maximum chimided to 5 a switching at zero current maximum 1564 A; Use minimum cross-section acc, to AC-1 rated value 1564 A; Use minimum cross-section acc, to AC-1 rate	Finited to 5 s witching a zero current maximum 1654 A. Use minimum cross section act. to AC-1 rated value 1707 A. Use minimum cross section act. to AC-1 rated value 270 A. Use mi				
minded to bit a sewthing at zero current maximum 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. Use minimum cross-section act. to AC-1 rated value 170 A. AC-1 rated value	Initiated to 10 a switching at zero current maximum 1704 A, User minimum cross-section act. to AC-1 rated value 1704 A	 limited to 1 s switching at zero current maximum 	2 565 A; Use minimum cross-section acc. to AC-1 rated value		
Imited to 20 s switching at zero current maximum 729 A; Use minimum cross-section acc. to AC-1 rated value 720 A; Use mi	mineted to 26 switching at zero current maximum 572 Å, Use minimum cross-section acc to AC-1 rated value 100 hit 100 h	 limited to 5 s switching at zero current maximum 	1 654 A; Use minimum cross-section acc. to AC-1 rated value		
mimited to 03 switching at zero current maximum 572 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency at AC-2 maximum 1000 1/h 1000	• Imited to 00 a writering at zero current maximum • at AC • at DC	 limited to 10 s switching at zero current maximum 	1 170 A; Use minimum cross-section acc. to AC-1 rated value		
Incload switching frequency INCL 1000 1Th 1000 1	moleand switching frequency	 limited to 30 s switching at zero current maximum 	729 A; Use minimum cross-section acc. to AC-1 rated value		
	* at AC	 limited to 60 s switching at zero current maximum 	572 A; Use minimum cross-section acc. to AC-1 rated value		
	*** IDC	no-load switching frequency			
operating frequency if AC-1 maximum if AC-2 maximum if AC-3 maximum if AC-4 maximum if	a	• at AC	1 000 1/h		
	* al AC-1 maximum	• at DC	1 000 1/h		
	* at AC-2 maximum	operating frequency			
• at AC-3 maximum • at AC-4 maximum 1300 th • at 60 Hz racied value • at 60 Hz value • at 60 Hz value • at 60 Hz	■ at AC-3 maximum ■ at AC-3 maximu	• at AC-1 maximum	800 1/h		
e al AC-3e maximum al AC-4 maximum 130 1/h Control circuit Control Suppe of Voltage of the control supply voltage Control supply voltage at AC at 30 Hz rated value 21 27.3 V 21		• at AC-2 maximum	400 1/h		
ontrol circuit Control Control circuit Control Vipe of Voitage of the control supply voitage control supply voitage at AC		• at AC-3 maximum	1 000 1/h		
Control circuits Control Type of voltage of the control supply voltage at 20 + 21 - 27.3 V at 50 Hz rated value at 60 Hz rated value control supply voltage at DC at rated value control supply voltage at DC at rated value cortrol supply voltage at DC at rated value cortrol supply voltage at DC at rated value cortrol supply voltage rated value of magnet coil at DC at 50 Hz at 60 Hz control supply voltage rated value of magnet coil at AC at 50 Hz consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 at 600 Hz consumed current at PLC-control input according to IEC 60947-1 with variator consumed current at PLC-control input according to IEC 60947-1 at 600 Hz consumed current at PLC-control input according to IEC 60947-1 with variator consumed current at PLC-control input according to IEC 60947-1 at 600 Hz consumed current at PLC-control input according to IEC 60947-1 with variator consumed current at PLC-control input according to IEC 60947-1 at 600 Hz consumed current at PLC-control input according to IEC 60947-1 with variator at 600 Hz	Control circuit/ Control AC/DC type of voltage of the control supply voltage AC/DC control supply voltage at AC 2127.3 V a 15 0 Hz rated value 2127.3 V control supply voltage at DC 2127.3 V a rated value 2127.3 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 a ratio Hz 0.8 value part PLC-control input according to IEC 609471 Type 2 opparating range factor of the voltage at PLC-control input according to IEC 609471 Type 2 opparating range factor of the voltage at PLC-control input according to IEC 609471 28 V a ratio Hz 280 VA a ratio Hz 280 VA	• at AC-3e maximum	1 000 1/h		
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value 21 27,3 V control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • it ill-scale value 0.8 • it ill-scale value 0.8 1.1 • at 60 Hz • at 60 Hz type of PLC-control input according to IEC 50947-1 type of PLC-control input according to IEC 50947-1 type of PLC-control input according to IEC 50947-1 consumed current at PLC-control input according to IEC 50947-1 type at PLC-control input rated value voltage at PLC-control input rated value voltage at PLC-control input according to IEC 50947-1 consumed current at PLC-control input decording to IEC 50947-1 type 2 consumed current at PLC-control input decording to IEC 50947-1 type 2 consumed current at PLC-control input decording to IEC 50947-1 type 2 consumed current at PLC-control input 64-1 design of the surge suppressor apparent plex-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent plex-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at	type of voltage of the control supply voltage at AC AC/DC control supply voltage at AC 2127.3 V a 15 0Hz rated value 2127.3 V control supply voltage at DC 2127.3 V operating range factor control supply voltage rated value of magnet coil at DC a	• at AC-4 maximum	130 1/h		
control supply voltage at AC at 50 Hz rated value 21 27.3 V control supply voltage at DC rated value 21 27.3 V control supply voltage at DC rated value 0 rated value 0 rated value 0 0.8 linital value 1.1 operating range factor control supply voltage rated value of magnet coil at DC initial value 1.1 operating range factor control supply voltage rated value of magnet coil at DC initial value 1.1 operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz onsumed current at PLC-control input according to IEC 60947-1 Type 2 Consumed current at PLC-control input according to IEC 60947-1 rowtage at PLC-control input rated value 0 poperating range factor of the voltage at PLC-control input 0 s. 1.1 design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz at 50 Hz by at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60	Control supply voltage at AC	Control circuit/ Control			
at 50 Hz rated value 21 27.3 V at 50 Hz rated value 21 27.3 V at 50 Hz rated value 21 27.3 V at 50 Hz rated value 21 27.3 V at 50 Hz rated value 21 27.3 V paragraphy voltage at DC are rated value 0	• at 50 Hz rated value 21 27.3 V 21	type of voltage of the control supply voltage	AC/DC		
• at 60 Hz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC initial value initial	• at 60 Hz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • (iiii-scale value operating range factor control supply voltage rated value of magnet coil at DC • initial value • (iiii-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • other of NC contact of the voltage rated value of magnet coil at AC operating range factor control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent pick-up power of magnet coil at AC • at 60 Hz • at	control supply voltage at AC			
control supply voltage at DC • rated value • rates of HZ • rate	control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • full-scale value • full-scale value • full-scale value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz consumed current at PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input decording to IEC 60947-1 apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at	at 50 Hz rated value	21 27.3 V		
operating range factor control supply voltage rated value of magnet coll at DC initial value ∴ full-scale value operating range factor control supply voltage rated value of magnet coll at AC ∴ at 50 Hz ∴ at 50 Hz ∴ at 50 Hz ∴ at 50 Hz operating range factor control input voltage rated value of magnet coll at AC ∴ at 50 Hz ∴ at 50 Hz operating range factor control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coll at AC → at 50 Hz → at 60 Hz inductive power factor with closing power of the coll → at 50 Hz → at 60 Hz at 60 Hz at 60 Hz At 80 Hz inductive power factor with the holding power of the coll → at 50 Hz → at 60 Hz → at 60 Hz At 80 Hz inductive power factor with the holding power of the coll → at 50 Hz → at 60 Hz → at	operating range factor control supply voltage rated value of magnet coil at DC initial value	at 60 Hz rated value	21 27.3 V		
operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz voltage at PLC-control input according to IEC 69947-1 type of PLC-control input according to IEC 69947-1 consumed current at PLC-control in	operating range factor control supply voltage rated value of magnet coll at DC • Initial value • (uil-scale value) • (uil-scale value	control supply voltage at DC			
magnet coll at DC • initial value 0.8 • initial value 1.1 operating range factor control supply voltage rated value of magnet coll at AC • at 50 Hz 0.8 1.1 • at 60 Hz 1.9 • ot 60 Hz 1.1 type of PLC-control input according to IEC 60947-1	mignet coil at DC	rated value	21 27.3 V		
e full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz type of PLC-control input according to IEC 60947-1 operating range factor of the voltage at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz	• full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz consumed current at PLC-control input according to IEC 60947-1 Type 2 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz				
operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz 7	operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz type of PLC-control input according to IEC 60947-1 rype 2 20 mA 20 mA voltage at PLC-control input rated value voltage at PLC-control input value voltage at PLC-control input value voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz closing power of magnet coil at AC at 50 Hz at 60 Hz bolding power of magnet coil at AC at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC at AC	• initial value	0.8		
magnet coil at AC at 50 Hz at 60 Hz type of PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz bilding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz bilding power of magnet coil at AC at 60 Hz at 60 Hz bilding power of magnet coil at AC at 60 Hz at 60 Hz bilding power of magnet coil at AC at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC closing delay at AC a	a at 50 Hz 0.8 1.1 a to 60 Hz 0.8 1.1 type of PLC-control input according to IEC 60947.1 Type 2 consumed current at PLC-control input according to IEC 60947.1 maximum 20 mA voltage at PLC-control input rated value 24 V operating range factor of the voltage at PLC-control input design of the surge suppressor with varistor apparent pick-up power of magnet coil at AC 280 VA at 50 Hz 280 VA at 60 Hz 0.8 at 50 Hz 0.8 at 60 Hz 0.8 at 60 Hz 0.8 inductive power factor with the holding power of the coil 4.8 VA inductive power factor with the holding power of the coil 4.8 VA inductive power factor with the holding power of the coil 3.0 € at 50 Hz 0.6 at 50 Hz 3.0 W bolding power of magnet coil at DC	full-scale value	1.1		
• at 60 Hz type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 sonsumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input rated value voltage at PLC-voltor input value voltage at Value voltage at PLC-voltor input value voltage at PLC-voltor	• at 60 Hz type of PLC-control input according to IEC 60947-1 Type 2				
type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 voltage at PLC-control input rated value voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 60 Hz inductive power factor with the holding power of the coil • at 60 Hz • at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC at AC • at AC	type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 according to IEC 60947-1 maximum voltage at PLC-control input rated value voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz but 50 Hz but 60 H	• at 50 Hz	0.8 1.1		
consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz 10.8 • at 60 Hz • at 6	consumed current at PLC-control input according to IEC 6/9347-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC	• at 60 Hz	0.8 1.1		
voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz 280 VA • at 60 Hz 100 NB • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • a	voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz but for a fixed fixe	type of PLC-control input according to IEC 60947-1	Type 2		
operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC 2.8 W closing delay • at AC • at DC	operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz •		20 mA		
design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC closing delay • at AC • at DC • at DC sat DC	design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC 2.8 W closing power of magnet coil at DC 2.8 W closing delay • at AC • at DC 35 75 ms • at DC 36 90 ms arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous 2		24 V		
apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC closing delay • at AC • at DC at AC • at DC so Dening delay • at AC • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous 2	apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power of magnet coil at DC at 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC 2.8 W Closing delay • at AC • at DC opening delay • at AC • at DC so 75 ms opening delay • at AC • at DC opening delay • at AC •	operating range factor of the voltage at PLC-control input	0.8 1.1		
at 50 Hz at 60 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz other inductive power factor with the holding power of the coil at 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at A			with varistor		
at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz 0.8 apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 4.8 VA at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.6 closing power of magnet coil at DC closing delay at AC at DC at DC at AC at DC at DC at DC at DC at DC at DC boning delay at AC at DC boning delay at AC at DC a	inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 4.8 VA at 60 Hz 4.8 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.6 closing power of magnet coil at DC blolding power of magnet coil at DC closing delay at AC at DC boyening delay at AC at DC at AC at DC boyening delay at AC closing delay at AC boyening delay at AC closing delay at AC closing power of magnet coil at DC clo				
inductive power factor with closing power of the coil at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 4.8 VA at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 50 Hz be at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC a	inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing power of magnet coil at DC closing power of magnet coil at DC 2.8 W closing delay • at AC • at DC opening delay • at AC • at DC at AC • at DC so 75 ms opening delay • at AC • at DC action with the holding power of magnet coil at DC action with the holding power of magnet coil at DC at AC • at DC opening delay • at AC • at DC so 90 ms arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous 2 number of NO contacts for auxiliary contacts instantaneous				
at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 50 Hz at 50 Hz at 50 Hz be at 60 Hz at 50 Hz be at 60 Hz at 50 Hz be at 60 Hz be	at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz at 50 Hz but at 60 Hz at 50 Hz but at 60		280 VA		
apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 4.8 VA 4.8 VA inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.6 closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay at AC at DC opening delay at AC at DC opening delay at AC at DC at DC bolding power of magnet coil at DC 2.8 W closing delay at AC at DC opening delay at AC at DC bolding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC bolding power of magnet coil at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 4.8 VA at 60 Hz binductive power factor with the holding power of the coil at 50 Hz at 50 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power of magnet coil at DC binductive power of magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC 2.8 W closing delay at AC at DC 5575 ms opening delay at AC at DC 5675 ms opening delay at AC at DC 5775 ms opening delay at AC at DC 5890 ms arcing time 1015 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous number of NO contacts for auxiliary contacts instantaneous				
apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz O.6 closing power of magnet coil at DC bolding power of magnet coil at DC 2.8 W closing delay • at AC • at DC • at DC • at DC • at DC according delay • at AC • at DC • at DC Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC at DC opening delay • at AC • at DC so the Companie delay • at AC • at DC copening delay • at AC • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous number of NO contacts for auxiliary contacts instantaneous 2				
at 50 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz o.6 closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC at AC be at DC at AC at AC at AC at AC at AC be at DC at AC at AC at AC at AC at AC be at DC at AC	at 50 Hz at 60 Hz tinductive power factor with the holding power of the coil at 50 Hz at 60 Hz o.6 at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC		0.8		
at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.6 closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay at AC at DC opening delay at AC at AC at DC opening delay at AC at DC but AC at DC opening delay at AC at DC but AC bu	at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.6 closing power of magnet coil at DC bolding power of magnet coil at DC 2.8 W closing delay at AC at DC at AC at DC bolding delay at AC at DC at DC bolding delay at AC at AC at DC bolding delay at AC a		4.9.1/A		
inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay • at AC • at DC • at DC opening delay • at AC • at DC • at DC at DC at DC bound of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.	inductive power factor with the holding power of the coil at 50 Hz bilding power of magnet coil at DC closing power of magnet coil at DC bilding power of magnet coil at DC closing delay bilding at AC bilding power of magnet coil at DC closing delay bilding at AC bilding power of magnet coil at DC closing delay bilding at AC bilding power of magnet coil at DC bilding power of magnet coil at DC closing delay bilding at AC bilding power of magnet coil at DC bilding power of magnet coil at DC closing delay bilding del				
at 50 Hz at 60 Hz block closing power of magnet coil at DC closing power of magnet coil at DC bolding power of magnet coil at DC 2.8 W closing delay at AC at DC at DC at AC at DC bolding delay at AC at DC	 at 50 Hz at 60 Hz 0.6 closing power of magnet coil at DC 320 W holding power of magnet coil at DC 2.8 W closing delay at AC at DC 35 75 ms at DC 35 75 ms opening delay at AC at AC at DC s0 90 ms at DC at DC 80 90 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 		T.O V/\		
olding power of magnet coil at DC dolding power of magnet coil at DC dolding power of magnet coil at DC closing delay old AC o	o at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay		0.6		
closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay • at AC • at DC opening delay • at AC • at DC start AC • at DC opening delay • at AC • at DC acting time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	closing power of magnet coil at DC holding power of magnet coil at DC 2.8 W closing delay • at AC • at DC opening delay • at AC • at DC 80 90 ms arcing time 10 15 ms control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2				
holding power of magnet coil at DC closing delay • at AC • at DC 35 75 ms opening delay • at AC • at DC 80 90 ms • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 80 90 ms 2 90 m	holding power of magnet coil at DC closing delay				
closing delay • at AC • at DC 35 75 ms opening delay • at AC • at DC 80 90 ms • at DC 80 90 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	closing delay • at AC • at DC 35 75 ms opening delay • at AC 80 90 ms • at DC 80 90 ms • at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2				
 at AC at DC 35 75 ms opening delay at AC at DC at DC at DC arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 	 at AC at DC 35 75 ms opening delay at AC at DC <				
 ◆ at DC opening delay ◆ at AC ◆ at DC ★ at DC ★ arcing time ★ control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 	at DC opening delay • at AC • at DC • at DC		35 75 ms		
opening delay	opening delay • at AC • at DC				
at AC at DC arcing time tontrol version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	at AC at DC 80 90 ms arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2				
● at DC arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	arcing time tontrol version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 10 90 ms PLC-IN or Standard A1 - A2 (adjustable) 2 2 2 2 2 2 2 4 4 4 4 4 4		80 90 ms		
arcing time control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	arcing time 10 15 ms control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2				
control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2				
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2	number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2		(30,000)		
number of NO contacts for auxiliary contacts instantaneous 2	number of NO contacts for auxiliary contacts instantaneous 2	number of NC contacts for auxiliary contacts instantaneous	2		
	CUITAGL	number of NO contacts for auxiliary contacts instantaneous	2		

operational current at AC-12 maximum	10 A		
operational current at AC-15			
• at 230 V rated value	6 A		
 at 400 V rated value 	3 A		
• at 500 V rated value	2 A		
at 690 V rated value	1 A		
operational current at DC-12			
at 24 V rated value	10 A		
 at 48 V rated value 	6 A		
at 60 V rated value	6 A		
at 110 V rated value	3 A		
at 125 V rated value	2 A		
at 220 V rated value	1 A		
at 600 V rated value	0.15 A		
operational current at DC-13			
at 24 V rated value	10 A		
at 48 V rated value	2 A		
• at 60 V rated value	2 A		
• at 110 V rated value	1 A		
• at 125 V rated value	0.9 A		
• at 220 V rated value	0.3 A		
at 600 V rated value	0.1 A		
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
• at 480 V rated value	124 A		
at 600 V rated value	125 A		
yielded mechanical performance [hp]			
 for single-phase AC motor 			
— at 230 V rated value	25 hp		
 for 3-phase AC motor 			
— at 200/208 V rated value	40 hp		
 at 220/230 V rated value 	50 hp		
— at 460/480 V rated value	100 hp		
— at 575/600 V rated value	125 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
design of the fuse link • for short-circuit protection of the main circuit			
-	gG: 355 A (690 V, 100 kA)		
 for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)		
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	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50		
 for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)		
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	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)		
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 Installation/ mounting/ dimensions	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface		
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 Installation/ mounting/ dimensions mounting position	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
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 Installation/ mounting/ dimensions mounting position fastening method	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm 10 mm 10 mm		

deursurande	40		
— downwards	10 mm		
• for live parts			
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	10 mm		
Connections/ Terminals			
type of electrical connection			
 for main current circuit 	Connection bar		
 for auxiliary and control circuit 	screw-type terminals		
 at contactor for auxiliary contacts 	Screw-type terminals		
of magnet coil	Screw-type terminals		
width of connection bar	17 mm		
thickness of connection bar	3 mm		
diameter of holes	9 mm		
number of holes	1		
connectable conductor cross-section for main contacts			
• stranded	25 120 mm²		
connectable conductor cross-section for auxiliary contacts			
 solid or stranded 	0.5 4 mm²		
 finely stranded with core end processing 	0.5 2.5 mm²		
type of connectable conductor cross-sections			
for auxiliary contacts			
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 for AWG cables for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12		
AWG number as coded connectable conductor cross section			
for auxiliary contacts	18 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		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
suitability for use	•		
safety-related switching OFF	Yes		
Certificates/ approvals			

General Product Approval





Confirmation



<u>KC</u>



Functional

EMC Safety/Safety of Machinery

Declaration of Conformity Test Certificates



Type Examination Certificate

CE



Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping other













other			Railway	
Confirmation	Confirmation	<u>Miscellaneous</u>	Special Test Certific-	Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1054-6NB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-6NB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6NB36

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

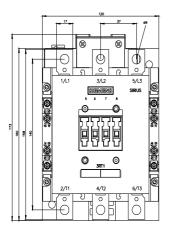
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1054-6NB36&lang=en

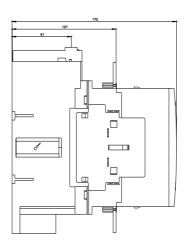
Characteristic: Tripping characteristics, I2t, Let-through current

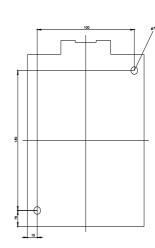
https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6NB36/char

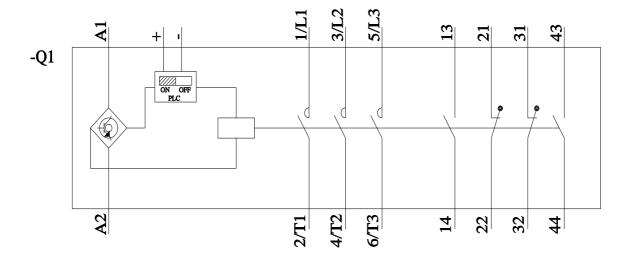
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1054-6NB36&objecttype=14&gridview=view1









last modified: 2/10/2023 🖸