SIEMENS

Data sheet 3RT2036-1KB44



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 24 V DC, 0.8-1.2* Us, with integrated varistor, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S2, suitable for PLC outputs, removable auxiliary switch

product brand name	SIRIUS
product designation	Coupling contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
 function module for communication 	No
auxiliary switch	No
power loss [W] for rated value of the current	
 at AC in hot operating state 	12 W
 at AC in hot operating state per pole 	4 W
without load current share typical	1 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	6.1g / 5 ms, 3.7g / 10 ms
shock resistance with sine pulse	
• at DC	9.6g / 5 ms, 5.8g / 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)	10/01/2014
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8
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	3
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	000.14
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	70 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	70 A
value	
 up to 690 V at ambient temperature 60 °C rated 	60 A
value	
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value	41 A
at AC-5a up to 690 V rated value	61.6 A
at AC-5b up to 400 V rated value	41.5 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	43.2 A
— up to 400 V for current peak value n=20 rated value	43.2 A
— up to 500 V for current peak value n=20 rated value	43.2 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	28.8 A
— up to 400 V for current peak value n=30 rated value	28.8 A
— up to 500 V for current peak value n=30 rated value	28.8 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	24 A
at 690 V rated value	20 A
operational current	2077
• at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 60 V rated value	23 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 60 V rated value	45 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— 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 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 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 60 V rated value	6 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 60 V rated value	45 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 60 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	22 kW
• at AC-3	
— at 230 V rated value	15 kW
— at 400 V rated value	22 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 400 V rated value	22 kW
— at 500 V rated value	22 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-	LL NVV
4	
 at 400 V rated value 	12.6 kW
 at 690 V rated value 	18.2 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	17.2 kVA
 up to 400 V for current peak value n=20 rated value 	29.9 kVA
 up to 500 V for current peak value n=20 rated value 	37.4 kVA
• up to 690 V for current peak value n=20 rated value	28.6 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	11.4 kVA
• up to 400 V for current peak value n=30 rated value	19.9 kVA
up to 500 V for current peak value n=30 rated value	24.9 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	
limited to 1 s switching at zero current maximum	937 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 5 s switching at zero current maximum	697 A; Use minimum cross-section acc. to AC-1 rated value
Ilmitted to 10 s switching at zero current maximum	468 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 30 s switching at zero current maximum	282 A; Use minimum cross-section acc. to AC-1 rated value
Ilmited to 60 s switching at zero current maximum	229 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	, , , , , , , , , , , , , , , , , , , ,
• at DC	1 500 1/h
operating frequency	
at AC-1 maximum	1 000 1/h
• at AC-2 maximum	600 1/h
• at AC-3 maximum	800 1/h
at AC-3e maximum	800 1/h
at AC-3e maximum at AC-4 maximum	250 1/h
• at no timanimalii	200

ype of voltage of the control supply voltage control supply voltage at DC * rided value * rided value * full scale value *	Control circuit/ Control	
Section Supply voltage at DC Provided 24 V Supply Supply voltage rated value of Register of a 10 V Supply voltage rated value of Register of a 10 V Supply voltage rated value of Register of a 10 V Supply voltage rated value of Register of a 10 V Supply voltage rated value of Register of a 10 V Supply voltage rated value of Register of A 10 V Supply voltage rated value of Register of A 10 V Supply voltage rated value of Register of A 10 V Supply voltage rated value of A 11 V Supply voltage rated value of A 12 V Supply voltage voltage value of A 12 V Supply voltage value		DC
A control value 24 V 24 V 25 25 25 25 25 25 25		
Operation angle factor control supply voltage rated value of apparet cell at 2 C e Initial value 1.2 design of the surge suppressor with variator Inrush current peak 2.5 A duration of Inched-rotor current peak 2.1 A duration of Inched-rotor current peak 2.1 A duration of Inched-rotor current peak 2.1 A duration of Inched-rotor current peak 4.0 mA discissing power of magnet coll at DC 1.1 W closing power of magnet coll at DC 1.1 W closing delay e IDC 3.5 - 80 ms opening delay e IDC 3.0 - 55 ms arting time 10 - 20 ms sandard A1 - A2 Availary circuit 2.2 ms control version of the switch operating mechanism 2.2 ms Availary circuit 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms control version of the switch operating mechanism 2.2 ms a matter of NC contracts for suciliary contracts instantaneous 2.2 ms a matter of NC contracts for suciliary contracts 3.4 ms a matter of NC contracts for suciliary contracts 3.4 ms a matter of NC contracts for suciliary contracts 3.4 ms a matter of NC contracts for suciliary contracts 3.4 ms a matter of NC contracts for suciliary contracts 3.4 ms a matter of NC contracts for suciliary contracts 3.4 ms a matter of NC contra		24 V
6 elik-acile value 1.2	operating range factor control supply voltage rated value of	
design of the surge suppressor	• initial value	0.8
Inrush current peak 2.6 A	full-scale value	1.2
duration of inrush current peak 50 jus locked-rotor current mean value 0.9 A duration of locked-rotor current 230 ms duration of locked-rotor current 230 ms holding current mean value 40 mA closing power of magnet cell at DC 1 W closing power of magnet cell at DC 1 W closing delay 10 ms 10 ms ent DC 35 80 ms opening delay 20 ms ent DC 30 55 ms archig time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 Maxillary circuit 10 ms control version of the switch operating mechanism Standard A1 - A2 Maxillary circuit 10 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms control version of the switch operating mechanism 2 ms ent AD Contracts for auxiliary contacts instantaneous 2 ms ent 400 V rated value 6 A ent 100 V rated value 6 A ent 110 V rated value 6 A ent 120 V rated value 1 A ent 220 V rated value 2 A ent 100 V rated value 3 Ms ent 100	design of the surge suppressor	with varistor
Dicked-rotor current peak	inrush current peak	2.6 A
Cocked-rotor current pask 2.1 A 230 ms Cocked-rotor current 230 ms Another mean value 40 mA Closing power of magnet coil at DC 1 W Closing delay at DC 35 80 ms Opening delay at DC 30 55 ms arcing time 10 20 ms Control varsion of the switch operating mechanism 25 madard A1 - A2 Auxiliary circus Turniber of NC contacts for auxiliary contacts instantaneous contact Operational current at AC-12 maximum 10 A Operational current at AC-13 at 160 V rated value 6 A at 160 V rated value 1 A at 160 V rated value 2 A at 160 V rated value 1 A at 160 V rated value 1 A at 160 V rated value 2 A at 160 V rated value 1 A at 160 V rated value 1 A at 160 V rated value 2 A at 160 V rated value 1 A at 160 V rated value 2 A at 160 V rated value 2 A at 160 V rated value 3 A at 160 V rated value 4 A at 160 V rated value 5 A at 160 V rated value 5 A at 160 V rated value 6 A at 160 V rated value 1 A at 160 V rated value 2 A at 160 V rated value 2 A at 160 V rated value 3 A at 160 V rated value 4 A at 160 V rated value 5 A at 160 V rated value 5 A at 160 V rated value 6 A at 160	duration of inrush current peak	50 µs
duration of locked-rotor current 230 ms holding current mean value 40 mA (a) mA (a) mA (a) magnet coil at DC 21.5 W (b) molding power of magnet coil at DC 1 W (c) magnet coil at DC 3580 ms (a) magnet coil at DC 3580 ms (a) magnet coil at DC 3055 ms (a) magnet coil at DC 3055 ms (a) magnet control version of the switch operating mechanism 1020 ms (a) magnet control version of the switch operating mechanism 2 magnet control version of the switch operating mechanism 2 magnet control version of NC contacts for auxiliary contacts instantaneous contact contact for auxiliary contacts instantaneous 2 magnetic mag	locked-rotor current mean value	0.9 A
Notking current mean value 40 mA	locked-rotor current peak	2.1 A
Closing power of magnet coll at DC	duration of locked-rotor current	230 ms
Noticing power of magnet coil at DC 1 W 1	holding current mean value	40 mA
at DC 35 80 ms oat DC 30 55 ms at DC 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 instantaneous 2 contact	closing power of magnet coil at DC	21.5 W
• at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-18 accordance • at 200 V rated value • at 400 V rated value • at 600 V rated value • at 410 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 320 V rated value • at 410 V rated value • at 110 V rated value • at 110 V rated value • at 320 V r	holding power of magnet coil at DC	1 W
act DC 30 55 ms arching time 10 20 ms	closing delay	
arcing time 10 20 ms 10 25 ms 10 20 ms 10	• at DC	35 80 ms
arcing time	opening delay	
Control version of the switch operating mechanism Standard A1 - A2	• at DC	30 55 ms
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 600 V rated value • 1 A operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 8 V rated value • at 110 V rated value • at 120 V rated value • at 20 V rated value • at 30 V rated value • at 60 V rated value • at 50 V rated value • at 60 V ra	arcing time	10 20 ms
number of NC contacts for auxiliary contacts instantaneous	control version of the switch operating mechanism	Standard A1 - A2
contact number of NO contacts for auxiliary contacts instantaneous contact 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 550 V rated value 1 A *** operational current at DC-12 *** *** at 24 V rated value 6 A *** at 48 V rated value 6 A *** at 10 V rated value 3 A *** at 110 V rated value 2 A *** at 220 V rated value 1 A *** at 220 V rated value 1 A *** at 24 V rated value 0.15 A *** operational current at DC-13 *** *** at 24 V rated value 2 A *** at 24 V rated value 2 A *** at 24 V rated value 2 A *** at 35 V rated value 2 A *** at 110 V rated value 2 A *** at 125 V rated value 0.9 A *** at 220 V rated value 0.9 A **** at 220 V rated value 0.1 A *	Auxiliary circuit	
operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value • at 10 V rated value • at 20 V rated value • at 10 V rated value • at 20 V rated value • at 20 V rated value • at 30 V rated value • 52 A yieldod mechanical performance [hp] • for single-phase AC motor • at 230 V rated value • for 3-phase AC motor		2
Operational current at AC-15	contact	
at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 69 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 600 V rated value at 105 V rated value at 105 V rated value at 105 V rated value at 220 V rated value at 600 V rated value	<u> </u>	10 A
* at 400 V rated value	•	
	• at 230 V rated value	
• at 690 V rated value 1 A operational current at DC-12 • at 24 V rated value 6 A • at 48 V rated value 6 A • at 100 V rated value 3 A • at 110 V rated value 3 A • at 220 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 1 A • at 24 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 110 V rated value 2 A • at 600 V rated value 1 A • at 125 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 1 A • at 120 V rated value 1 A • at 20 V rated value 1 A • at 800 V rated value 1 A • at 800 V rated value 1 A • at 600 V rated value 1 A		
operational current at DC-12 • at 24 V rated value • at 80 V rated value • at 60 V rated value • at 1110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 280 V rated value • at 48 V rated value • at 360 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value		
		1 A
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 600 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 200 V rated value • at 60 V rated value • at 220 V rated value • at 300 V rated value • at 300 V rated value • at 480 V rated value • at 200 V rated value • at 300 V rated value • at 300 V rated value • at 300 V rated value • at 200 V rated value	•	
• at 60 V rated value		
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 200 V rated value • at 600 V rated value • 20 A • at 600 V rated value • 20 A • at 600 V rated value • 20 A • at 600 V rated value • 20 A • at 600 V rated value • 20 A • at 600 V rated value • 20 A • at 600 V rated value • 20 A • at 480 V rated value • 20 A • at 480 V rated value • 20 A • at 480 V rated value • 20 A • at 480 V rated value • 30 A • at 480 V rated value • 30 A • at 480 V rated value • 30 A • at 480 V rated value • 30 A • at 20 V rated value • 30 A • 30 V rated value • 30 V rated value • 30 A • 30 V rated value		
 at 125 V rated value 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 at 48 V rated value at 60 V rated value at 100 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 1480 V rated value at 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 3 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 52 A yielded mechanical performance [hp] for single-phase AC motor —at 110/120 V rated value for single-phase AC motor —at 230 V rated value for 3-phase AC motor 		
 at 220 V rated value 0.15 A operational current at DC-13 at 24 V rated value at 80 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 200 V rated value at 600 V rated value at 22 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 70 Aphase AC motor at 230 V rated value for 3-phase AC motor 		
• at 600 V rated value 0.15 A operational current at DC-13 • at 24 V rated value 6 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 220 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 52 A • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor		
operational current at DC-13		
 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 110/120 V rated value at 110/120 V rated value at 230 V rated value at 230 V rated value at 70 hp for 3-phase AC motor 		0.15 A
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 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 at 600 V rated value at 600 V rated value at 600 V rated value at 10/120 V rated value at 110/120 V rated value at 230 V rated value at 230 V rated value at 3 hp at 3 phase AC motor 		
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 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 at 600 V rated value for single-phase AC motor at 10/120 V rated value at 10/120 V rated value at 230 V rated value for 3-phase AC motor 		
 at 125 V rated value at 220 V rated value at 600 V rated value 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 at 600 V rated value for 3-phase AC motor yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 3 hp at 230 V rated value for 3-phase AC motor 6 for 3-phase AC motor 10 hp 		
 at 220 V rated value 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 at 600 V rated value 52 A at 600 V rated value for single-phase AC motor at 110/120 V rated value 3 hp at 230 V rated value for 3-phase AC motor for 3-phase AC motor 		
 at 600 V rated value 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 at 600 V rated value 52 A 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 for 3-phase AC motor 		
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 • at 600 V rated value 52 A 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		
### Comparison of Comparison o		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value 52 A • at 600 V rated value 52 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor		1 raulty switching per 100 million (17 V, 1 mA)
 at 480 V rated value at 600 V rated value 52 A 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 600 V rated value yielded mechanical performance [hp] of or single-phase AC motor - at 110/120 V rated value - at 230 V rated value for 3-phase AC motor of or 3-phase AC motor		FO A
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp • for 3-phase AC motor		
 for single-phase AC motor — at 110/120 V rated value 3 hp — at 230 V rated value 10 hp for 3-phase AC motor 		52 A
— at 110/120 V rated value 3 hp — at 230 V rated value 10 hp ● for 3-phase AC motor 10 hp		
— at 230 V rated value 10 hp		0.1
• for 3-phase AC motor		
		10 np
— at 200/208 V rated value 15 hp		
	— at 200/208 V rated value	15 np

of 2002/25 V rate value at 872/500 V rated value 40 hp at 875/500 V rated value 50 hp at 875/500 V rated value 50 hp at 875/500 V rated value 50 hp	ot 220/220 \ / seted ::= ::-	15 ha
at 575800 V ratio value contact rating to sutilizery contacts according to U. A600 / C800	— at 220/230 V rated value	15 hp
contact rating of auxillary contacts according to U. A600 / G600 Total criterial protection design of the fuse link • for short-circuit protection of the main circuit —with type of assignment 2 required —interior protection of the auxiliary awitch required Installation membring dimensions —the protection of the auxiliary awitch required solice by solice mounting of the auxiliary awitch required solice by solice mounting of the auxiliary awitch required solice by solice mounting —the protection of the auxiliary awitch required solice by solice mounting —the protection of the auxiliary awitch required solice by solice mounting —the protection of the auxiliary awitch required solice by solice mounting —the protection of the auxiliary awitch required solice by solice mounting —the protection of the auxiliary awitch required solice by solice mounting —the protection of the auxiliary awitch required solice by solice mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting surfaces can be titled floward and backward by 42.25 for nevertical mounting onto 35 mm DIN rail according to DIN RN 60718 The minute of		·
Short-clicust protection design of the fuse link - for short-clicus protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required - for short-clicust protection of the auxiliary switch required - for short-clicust protection of the auxiliary switch required - with type of assignment 2 required - with type of assignment 2 required - solid-by-side mounting dimensions mounting position - the stort of the sack of the sa		·
design of the fuse link of short-circuit protection of the main circuit — with type of coordination 1 required Any speed of coordination 1 required — with type of assignment 2 required of short-circuit protection of the auxiliary switch required installation insurance (insurance) Fastering method of set behavior of the main circuit fastering method of set-y-side nounting with side-by-side nounting with side-by-side nounting with side-by-side nounting of the words — upwards — to words — the side of or rounded parts — the side of ownwards — the side of ownwards — the side of ownwards — to words — of ownwards — to words —		A600 / Q600
I for short circuit protection of the main circuit — with type of accordination 1 required of short circuit protection of the auxiliary switch required of short circuit protection of the auxiliary switch required finatellization insurance in the state of short circuit protection of the auxiliary switch required finatellization insurance in the state of short circuit protection of the auxiliary switch required finatellization insurance in the state of short circuit protection of the auxiliary switch required fastering method • side by side mounting fastering method • side by side mounting • with side by side mounting • or man circuit side by side mounting • or man circuit side by side mounting • or man circuit side side • downwards • for the parts • for her parts • for wards • for the parts • for main current circuit • or auxiliary contacts • of magnet coll Viyo of electrical connection • for auxiliary contacts • for protection or stranded • side or stranded • for AWG cables for auxiliary contacts •		
with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required with type of assignment 2 required or short-critical protection of the auxiliary switch required installational mounting idinensions mounting position street in the auxiliary switch required stude-by-side mounting street in the auxiliary switch required stude-by-side mounting street in the auxiliary switch required stude-by-side mounting street in the auxiliary switch required street in the street in the auxiliary switch required street in the street in the auxiliary switch required street in the street in the auxiliary switch required street in the street in the auxiliary switch required street in the str	· ·	
- with type of assignment 2 required for short-circuit protection of the auxiliary switch required short sho		0.400 A (000 V 400 LA) - NA 00 A (000 V 400 LA) - D000 - 405 A (445 V 00
	— with type of coordination 1 required	
mounting position ##-180" rotation possible on vertical mounting surface; can be titled forward and backward by 14-22.5° on vertical mounting surface. ##-180" rotation possible on vertical mounting surface. ##-180" solution possible on vertical mounting surface. ##-180" rotation possible on vertical mounting surface. ##-180" rota		gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)
mounting position ### 14-160* rotation possible on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical mounting surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward and backward by #2.25* on vertical surface; can be tilled florward by #2.25* on vertical surface; can be tilled florward by #2.25*		gG: 10 A (500 V, 1 kA)
backward by 7-/- 22.5° on vertical mounting siriace * side-by-side mounting * height * with 155 mm depth * with side-by-side mounting - forwards - quyeards - downwards - downwards - ownwards - the side - ownwards - ownwar	Installation/ mounting/ dimensions	
* side by-side mounting	mounting position	
height width 55 mm 6 pt	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
width depth 174 mm required spacing • with side-by-side mounting — forwards 10 mm — upwards 10 mm — downwards 10 mm — orwards	side-by-side mounting	Yes
depth required spacing • with side-by-side mounting — forwards — upwards — downwards — 10 mm — at the side • for grounded parts — forwards — upwards — 10 mm — at the side • for grounded parts — forwards — upwards — upwards — 10 mm — other side — downwards — 10 mm — other side — downwards — 10 mm — other side — downwards — to file parts — forwards — other side — downwards — upwards — 10 mm — other side — downwards — other side Connections/ Terminals Type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Screw-type terminals 10 mm 10 mm 20 mm 20 minument circuit 10 mm 20 minument circuit 20 minument circuit 20 screw-type terminals 20 screw-type ter	height	114 mm
required spacing with side-by-side mounting —forwards —upwards —upwards —of more at the side —of grounded parts —for grounded parts —forwards —upwards —upwards —of mm —o	width	55 mm
• with side-by-side mounting - forwards - upwards - downwards - at the side - for grounded parts - forwards - upwards - to mm - upwards - at the side - for grounded parts - forwards - upwards - upwards - downwards - to mm - downwards - to mm - downwards - to mm - for live parts - forwards - for live parts - forwards - upwards - to mm - upwards - upwards - upwards - to mm - downwards - to mm - upwards - to mm - t	depth	174 mm
forwards upwards upwards 10 mm 1	required spacing	
- upwards - downwards - at the side • for grounded parts - forwards - upwards - 10 mm - at the side - downwards - downwards - to file parts - forwards - downwards - downwards - forwards - downwards - for man current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary contacts - of magnet coil - for for auxiliary contacts - solid or stranded - finely stranded with core end processing - connectable conductor cross-section for main contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - solid or stranded	• with side-by-side mounting	
- downwards - at the side 0 mm - for grounded parts - forwards 10 mm - forwards 10 mm - forwards 10 mm - for live parts - downwards 10 mm - for live parts - forwards 10 mm - for live parts - forwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - for main current circuit 50 mm - for main contacts 60 mm - forwards 10 mm - forwards 1	— forwards	10 mm
- downwards - at the side 0 mm - at the side 10 mm - at contactors/Torminals **Type of electrical connection** **Type of electrical connection 10 screw-type terminals 10 screw-	— upwards	10 mm
• for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — upwards — downwards — to mm — at the side — 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • finely stranded with core end processing — connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for fawG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for fawG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for fawG cables for auxiliary contacts — solid or stranded — finely stranded	·	10 mm
• for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — upwards — downwards — to mm — at the side — 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • finely stranded with core end processing — connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing — solid or stranded • finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for fawG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for fawG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for fawG cables for auxiliary contacts — solid or stranded — finely stranded		
- forwards	for grounded parts	
- upwards - at the side - downwards - for live parts - forwards - upwards - upwards - upwards - upwards - downwards - downwards - downwards - at the side - domn - at the side - downwards - upwards - at the side - domn - at the side - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil - of		10 mm
- at the side - downwards • for live parts - forwards - upwards - downwards - downwards - at the side - for auxiliary contacts • of main contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts • solid or stranded • finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts • for fauxiliary contacts • for auxiliary contacts		
- downwards • for live parts - forwards - upwards - downwards - downwards - at the side Connections/ Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-sections • finely stranded with core end processing 2x (1 35 mm²) .x (1 35 mm²) connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing 2x (0.5 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts • for auxiliary contacts	·	
• for live parts — forwards — upwards — downwards — at the side — at the side — for main current circuit • for auxiliary and control circuit • screw-type terminals • of or auxiliary and control circuit • screw-type terminals • of magnet coil type of connectable conductor cross-sections for main contacts • of inely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for favification or end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts • for AWG cables for auxiliary contacts • for auxilia		
forwards		10 111111
- upwards - downwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • at contactor for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • finely stranded with core end processing connectable conductor cross-sections • finely stranded • finely stranded • finely stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for faw G cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts	·	10 mm
- downwards - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals • solid or stranded • finely stranded with core end processing 2x (1 25 mm²), 1x (1 35 mm²) 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 • finely stranded with core end processing 0.5 2.5 mm² tonnectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 4x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 2x (20 16), 2x (18 14) Safoty related data product function		
The side 6 mm Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-sections • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 2x (20 16), 2x (18 14) Safety related data product function	·	
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 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts finely stranded with core end processing finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded molid or stranded connectable conductor cross-sections for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts for AWG cables for auxiliary contacts for main contacts for main contacts for main contacts for auxiliary contacts <l< td=""><td></td><td></td></l<>		
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of magnet coil Screw-type terminals type of connectable conductor cross-sections for main contacts o solid or stranded o finely stranded with core end processing connectable conductor cross-section for main contacts o finely stranded with core end processing connectable conductor cross-section for auxiliary contacts o finely stranded with core end processing o for auxiliary contacts o for auxiliary contacts o for auxiliary contacts o for AWG cables for auxiliary contacts o for main contacts o for main contacts o for auxiliary contacts o for main contacts o for auxiliary contacts	•	
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solid or stranded		Screw-type terminals
• finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded with core end processing very finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function	× ·	
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 finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts for AWG number as coded connectable conductor cross section for auxiliary contacts 	finely stranded with core end processing	2x (1 25 mm²), 1x (1 35 mm²)
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 20 14 Safety related data product function	connectable conductor cross-section for main contacts	
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• finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 18 1 • for auxiliary contacts 20 14 Safety related data product function	connectable conductor cross-section for auxiliary contacts	
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- finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function	•	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
◆ for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section ◆ for main contacts ◆ for auxiliary contacts ◆ for auxiliary contacts Product function 2x (20 16), 2x (18 14) 18 1 20 14		
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data product function		
	·	
for auxiliary contacts 20 14 Safety related data product function		40 4
Safety related data product function		
product function		20 14
• mirror contact according to IEC 60947-4-1 Yes	product function	
	 mirror contact according to IEC 60947-4-1 	Yes

 positively driven operation according to IEC 60947-5-1 	No
suitability for use safety-related switching OFF	Yes
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 a
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

Certificates/ approvals

General Product Approval



Confirmation





<u>KC</u>



Functional

EMC Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other

Railway

Environment



Confirmation

Vibration and Shock

Environmental Confirmations

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=3RT2036-1KB44

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-1KB44

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1KB44

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

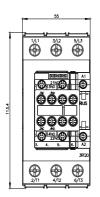
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2036-1KB44&lang=en

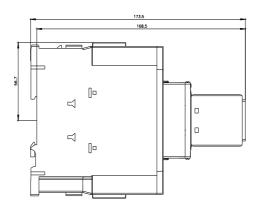
Characteristic: Tripping characteristics, I2t, Let-through current

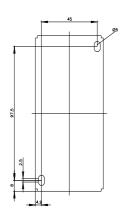
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1KB44/char

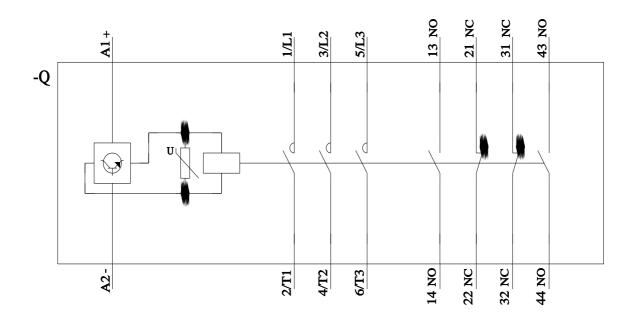
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1KB44&objecttype=14&gridview=view1



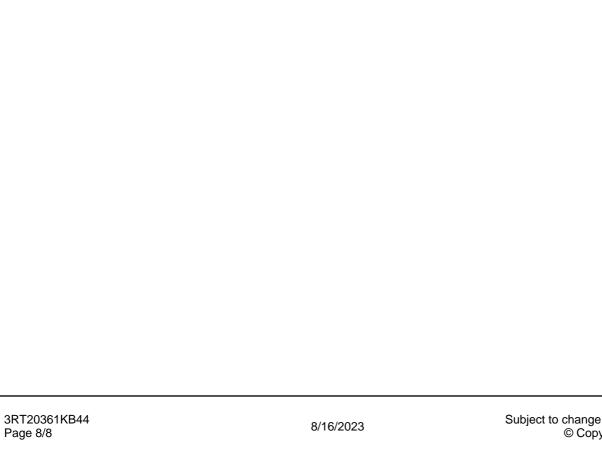






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