## **SIEMENS**

Data sheet 3RT1054-1AR36



power contactor, AC-3e/AC-3 115 A, 55 kW / 400 V, AC (50-60 Hz) / DC Uc: 440-480 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: box terminal 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	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	21 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	7 W
<ul> <li>without load current share typical</li> </ul>	5.2 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	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)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	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	
<ul> <li>during operation</li> </ul>	-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 %

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	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 °C rated value	140 A
— up to 1000 V at ambient temperature 40 °C rated value	80 A
— up to 1000 V at ambient temperature 60 °C rated value	80 A
• at AC-3	445.4
— 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 value	53 A
• 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 mm <sup>2</sup>
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
	0.5 A
— at 600 V rated value	
<ul><li>— at 600 V rated value</li><li>with 2 current paths in series at DC-1</li></ul>	
	160 A
• with 2 current paths in series at DC-1	160 A 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
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— 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
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— 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	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	40 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	80 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	100 000 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	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	

Intented to 1.5 switching at zero current maximum	e a production of the contract	0.505.4 11 1.1
• Imitiac to 10 a switching at zero current maximum   179 A. Use minimum cross-section acc. to AC-1 rated value   179 A. Use minimum cross-section acc to AC-1 rated value   179 A. Use AC-1 rated value   179 A.	limited to 1 s switching at zero current maximum	2 565 A; Use minimum cross-section acc. to AC-1 rated value
Billimited to 30 a swellching at zero current maximum   572 A. Use minimum cross-section acc. to AC-1 roted value   572 A. U	G	
* Immitted to 80 a switching at zero current maximum	-	
### A CAP	<u> </u>	
* all AC	Iimited to 60 s switching at zero current maximum	572 A; Use minimum cross-section acc. to AC-1 rated value
## APC   2000 4/h  operating frequency  ## APC-1 maximum  ## APC-2 maximum  ## APC-3		
operating frequency	• at AC	2 000 1/h
* A AC-I maximum	• at DC	2 000 1/h
	operating frequency	
• al AG-3 maximum     • al AG-3 maximum     • al AG-3 maximum     1 000 1/h     • al AG-3 maximum     1 1000 1/h     • al AG-3 maximum     1 1000 1/h     • al AG-3 maximum     1 100 1/h     • al AG-3 maximum     1 100 1/h     • al CO Harmanimum     1 100 1/h     1 100 1/m	• at AC-1 maximum	800 1/h
* at AC-3e maximum	• at AC-2 maximum	400 1/h
• at AC-4 maximum  Control excell Centrol  Typo of voltage at AC  • at 60 Hz rated value  • 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  Operating range factor control supply voltage rated value of magnet coil at DC  • initial value  Operating range factor control supply voltage rated value of magnet coil at DC  • initial value  Operating range factor control supply voltage rated value of magnet coil at AC  • at 60 Hz  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at 60 Hz  • at 60	• at AC-3 maximum	1 000 1/h
Control circulty Control  type of voltage of the control supply voltage  at 80 Hz rated value  440 480 V  control supply voltage at BC  at rated value  control supply voltage at BC  at rated value  440 480 V  control supply voltage at BC  at rated value  60.8  at one partiag range factor control supply voltage rated value of magnet coil at DC  at rated value  60.8  at 1.1  coperating range factor control supply voltage rated value of magnet coil at AC  at 60 Hz  at 80 Hz  at maximum rated control supply voltage at AC  at 80 Hz  at maximum rated control supply voltage at DC  at 80 Hz  at 80 Hz  at maximum rated control supply voltage at AC  at 80 Hz  at 80 Hz  at 80 Hz  at maximum rated control supply voltage at AC  at 80 Hz  at maximum rated control supply voltage at AC  at 80 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at 80 Hz  at 80 Hz  5.8 VA  sparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  sparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  at 6	• at AC-3e maximum	1 000 1/h
type of voltage of the control supply voltage at AC  - at 60 Hz rated value  - at 60 Hz rated value  - at 60 Hz rated value  operating range factor control supply voltage rated value of magnet coil at AC  - initial value  operating range factor control supply voltage rated value of magnet coil at AC  - initial value  operating range factor control supply voltage rated value of magnet coil at AC  - at 60 Hz  - a	at AC-4 maximum	130 1/h
Section   Control supply voltage at AC	Control circuit/ Control	
	type of voltage of the control supply voltage	AC/DC
• at 80 Hz rated value  control supply voltage at DC  - rated value  operating range factor control supply voltage rated value of magnet coil at DC  operating range factor control supply voltage rated value of magnet coil at DC  - illida value  - illida	control supply voltage at AC	
control supply voltage at DC	• at 50 Hz rated value	440 480 V
• rated value Operating range factor control supply voltage rated value of magnet coll at DC • initial value • inluscale value Operating range factor control supply voltage rated value of magnet coll at AC • at 50 Hz • at 50 Hz • at 50 Hz Ac at maximum rated control supply voltage at AC — at 50 Hz • at 60 Hz  • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 50 Hz • at 60 Hz  • at maximum rated control supply voltage at AC • at 60 Hz  • at maximum rated control supply voltage at DC • at 70 Hz • at 70 H	at 60 Hz rated value	440 480 V
operating range factor control supply voltage rated value of magnet coll at DC         0.8           • Initial value         0.8           • Initial value         1.1           operating range factor control supply voltage rated value of magnet coll at AC         at 50 Hz           • at 50 Hz         0.81.1           design of the surge suppressor         with varistor           apparent pick-up power         4 minimum rated control supply voltage at AC           — at 50 Hz         250 VA           — at 60 Hz         300 VA           — at 50 Hz         300 VA           — at 50 Hz         300 VA           apparent pick-up power of magnet coll at AC         300 VA           — at 50 Hz         300 VA           apparent pick-up power of magnet coll at AC         300 VA           • at 50 Hz         300 VA           • at 60 Hz         0.9           • at 60 Hz         0.9           • at 60 Hz         0.9           • at 80 Hz         4.8 VA           • at maximum rated control supply voltage at DC         5.2 VA           • apparent holding power         • at minimum rated control supply voltage at AC         4.8 VA           — at 60 Hz         5.8 VA           — at 60 Hz         5.8 VA	control supply voltage at DC	
mighet coll at DC   midbl value   0.8   1.1	rated value	440 480 V
• full-scale value   1.1		
operating range factor control supply voltage rated value of magnet coil at AC         a. 85 0 Hz         0.81.1           c at 50 Hz         0.81.1         0.81.1           design of the surge suppressor         with varistor           apparent pick-up power         at minimum rated control supply voltage at AC         250 VA           — at 50 Hz         250 VA           — at 60 Hz         300 VA           — at 50 Hz         300 VA           — at 50 Hz         300 VA           — at 50 Hz         300 VA           — at 60 Hz         300 VA           apparent pick-up power of magnet coil at AC         300 VA           • at 60 Hz         300 VA           inductive power factor with closing power of the coil         0.9           • at 60 Hz         0.9           apparent holding power         • at maximum rated control supply voltage at DC         4.3 VA           • at maximum rated control supply voltage at AC         4.8 VA           — at 50 Hz         4.8 VA           • at maximum rated control supply voltage at AC         4.8 VA           — at 60 Hz         4.8 VA           • at maximum rated control supply voltage at AC         5.8 VA           — at 60 Hz         5.8 VA           • at 60 Hz         5.8 VA <td>• initial value</td> <td>0.8</td>	• initial value	0.8
magnet coil at AC         ● at 50 Hz         0.8 1.1           e at 60 Hz         0.8 1.1           design of the surge suppressor         with varistor           apparent pick-up power         e at minimum rated control supply voltage at AC           — at 50 Hz         250 VA           — at 60 Hz         300 VA           — at 50 Hz         300 VA           apparent pick-up power of magnet coil at AC         300 VA           e at 50 Hz         300 VA           apparent pick-up power of magnet coil at AC         300 VA           e at 50 Hz         300 VA           inductive power factor with closing power of the coil         0.9           e at 60 Hz         0.9           e at 0 Hz         0.9           apparent holding power         4.3 VA           e at maximum rated control supply voltage at DC         5.2 VA           apparent holding power         4.8 VA           e at minimum rated control supply voltage at AC         4.8 VA           — at 60 Hz         5.8 VA           a at a maximum rated control supply voltage at AC         5.8 VA           — at 60 Hz         5.8 VA           a to 60 Hz         5.8 VA           a to 60 Hz         5.8 VA           a to 60 Hz	full-scale value	1.1
e at 60 Hz   with varietor   with varietor   apparent pick-up power   e at minimum rated control supply voltage at AC   at 50 Hz   at 60 Hz		
design of the surge suppressor  apparent pick-up power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz — at 50 Hz — at 50 Hz  • at 60 Hz  • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at 60 Hz  • at 60 Hz   paparent holding power of magnet coil at AC  • at 60 Hz  • at 6	● at 50 Hz	0.8 1.1
apparent pick-up power  • at minimum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz  • at 60 Hz  100 VA  al 60 Hz  101 VA  al 60 Hz  apparent holding power  • at minimum rated control supply voltage at DC  • at 60 Hz  apparent holding power  • at maximum rated control supply voltage at DC  • at 50 Hz  — at 60 Hz  apparent holding power  • at minimum rated control supply voltage at DC  • at so Hz  — at 60 Hz  at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage 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 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 Hz	● at 60 Hz	0.8 1.1
• at minimum rated control supply voltage at AC         — at 50 Hz         — at 60 Hz         • at maximum rated control supply voltage at AC         — at 50 Hz         • at 50 Hz         • at 50 Hz         • at 60 Hz         • at maximum rated control supply voltage at DC         • at minimum rated control supply voltage at DC         • at minimum rated control supply voltage at DC         • at minimum rated control supply voltage at AC         — at 50 Hz         — at 50 Hz         • at maximum rated control supply voltage at AC         — at 50 Hz         • at 60 Hz         •	design of the surge suppressor	with varistor
- at 50 Hz	apparent pick-up power	
- at 60 Hz 250 VA  • at maximum rated control supply voltage at AC  - at 60 Hz 300 VA  - at 50 Hz 300 VA  apparent pick-up power of magnet coil at AC  • at 60 Hz 300 VA  • at 60 Hz 300 VA  • at 60 Hz 300 VA  inductive power factor with closing power of the coil  • at 50 Hz 0,9  at 60 Hz 0,9  apparent holding power  • at minimum rated control supply voltage at DC 4.3 VA  • at maximum rated control supply voltage at DC 5.2 VA  apparent holding power  • at minimum rated control supply voltage at AC  - at 50 Hz 4.8 VA  - at 60 Hz 4.8 VA  • at maximum rated control supply voltage at AC  - at 50 Hz 5.8 VA  apparent holding power of magnet coil at AC  • at 50 Hz 5.8 VA  inductive power factor with the holding power of the coil  • at 50 Hz 5.8 VA  • at 60 Hz 5.8 VA  inductive power factor with the holding power of the coil  • at 50 Hz 5.8 VA  • at 60 Hz 5.8 VA  inductive power factor with the holding power of the coil  • at 50 Hz 5.8 VA  • at 60 Hz 5.8 VA	<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
• at maximum rated control supply voltage at AC    — at 50 Hz 300 VA  apparent pick-up power of magnet coil at AC    • at 50 Hz 300 VA  • at 60 Hz 300 VA  inductive power factor with closing power of the coil    • at 60 Hz 0.9  apparent holding power  • at minimum rated control supply voltage at DC 4.3 VA • at minimum rated control supply voltage at DC 5.2 VA  apparent holding power  • at minimum rated control supply voltage at AC   — at 50 Hz 4.8 VA   — at 60 Hz 4.8 VA   — at 60 Hz 5.8 VA   — at 60 Hz 5.8 VA   — at 60 Hz 5.8 VA   apparent holding power of magnet coil at AC   — at 50 Hz 5.8 VA   apparent holding power of magnet coil at AC   — at 50 Hz 5.8 VA   • at 60 Hz 6.8 VA	— at 50 Hz	250 VA
at 50 Hz at 60 Hz at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC 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 60 Hz at 50 Hz at 60 Hz 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 60 Hz at 50 Hz at 60 Hz	— at 60 Hz	250 VA
at 50 Hz  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  100 VA  inductive power factor with closing power of the coil  • at 50 Hz  • at 60 Hz  • at 60 Hz  20.9  apparent holding power  • at minimum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at minimum rated control supply voltage at AC  - at 50 Hz  - at 60 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  - at 60 Hz  5.8 VA  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  0.8  closing power of magnet coil at DC  360 W	<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
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  apparent holding power  • at minimum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  - at 50 Hz  • at minimum rated control supply voltage at AC  - at 50 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  - at 60 Hz  apparent holding power  • at minimum rated control supply voltage at AC  - at 50 Hz  - at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  • 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  inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  inductive power factor magnet coil at DC  closing power of magnet coil at DC	— at 60 Hz	300 VA
■ at 50 Hz     ■ at 60 Hz     300 VA     inductive power factor with closing power of the coil     ■ at 50 Hz     ■ at 60 Hz     0.9     ■ at 60 Hz     0.9  apparent holding power     ● at minimum rated control supply voltage at DC     4.3 VA     ● at maximum rated control supply voltage at DC     3 VA  apparent holding power      ● at minimum rated control supply voltage at AC     — at 50 Hz     — at 60 Hz     4.8 VA      • at maximum rated control supply voltage at AC     — at 50 Hz     — at 60 Hz     5.8 VA  apparent holding power of magnet coil at AC      • at 50 Hz     • at 60 Hz     15.8 VA  apparent holding power of magnet coil at AC      • at 50 Hz     • at 60 Hz     0.8     1 So Hz     0.8     0.8     0.8 closing power of magnet coil at DC      360 W	— at 50 Hz	300 VA
at 60 Hz  inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  0.9  apparent holding power  at minimum rated control supply voltage at DC  at maximum rated control supply voltage at DC  at minimum rated control supply voltage at DC  at minimum rated control supply voltage at AC  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  and 60 Hz  5.8 VA  cat 60 Hz  5.8 VA  cat 60 Hz  at 50 Hz  at 60 Hz  5.8 VA  cat 60 Hz  5.8 VA  cat 60 Hz  6.8 VA  cat 60 Hz  cat 60	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  0.9  apparent holding power  at minimum rated control supply voltage at DC  at maximum rated control supply voltage at DC  at minimum rated control supply voltage at DC  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 50 Hz  at 50 Hz  at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  at 60 Hz  6.8  6.8  closing power of magnet coil at DC	● at 50 Hz	300 VA
at 50 Hz at 60 Hz  apparent holding power  at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC  at maximum rated control supply voltage at DC  at 50 Hz at 60 Hz  at maximum rated control supply voltage at AC  at 50 Hz at 60 Hz  5.8 VA  inductive power factor with the holding power of the coil at 50 Hz at 60 Hz  at 60 Hz  0.8 closing power of magnet coil at DC  360 W	● at 60 Hz	300 VA
apparent holding power  at minimum rated control supply voltage at DC  at maximum rated control supply voltage at DC  apparent holding power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 50 Hz  at 60 Hz  at 50 Hz  at 50 Hz  at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  binductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  at 60 Hz  closing power of magnet coil at DC  360 W	inductive power factor with closing power of the coil	
apparent holding power  • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC  apparent holding power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at 60 Hz  at 60 Hz  • at 50 Hz • at 50 Hz • at 60 Hz  • 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  • at 60 Hz  0.8  closing power of magnet coil at DC  4.3 VA  4.3 VA  4.3 VA  4.3 VA  4.3 VA  4.4 VA  4.8 VA  4.8 VA  4.8 VA  4.8 VA  4.8 VA  4.8 VA  5.8 VA  5.8 VA  5.8 VA  5.8 VA  6.8 VA	● at 50 Hz	0.9
at minimum rated control supply voltage at DC apparent holding power  at minimum rated control supply voltage at AC  at minimum rated control supply voltage at AC  at minimum rated control supply voltage at AC  at 50 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at 50 Hz  at 50 Hz  at 50 Hz  at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  cat 60 Hz  6.8 VA  cat 60 Hz	• at 60 Hz	0.9
apparent holding power  at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  0.8  closing power of magnet coil at DC  360 W	apparent holding power	
apparent holding power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  5.8 VA  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power of magnet coil at DC  6.8  Closing power of magnet coil at DC  360 W	<ul> <li>at minimum rated control supply voltage at DC</li> </ul>	4.3 VA
at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  5.8 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.8 VA  5.8 VA  and 60 Hz  5.8 VA  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  0.8  closing power of magnet coil at DC  360 W	at maximum rated control supply voltage at DC	5.2 VA
- at 50 Hz - at 60 Hz 4.8 VA  • at maximum rated control supply voltage at AC - at 50 Hz - at 60 Hz 5.8 VA  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  closing power of magnet coil at DC  4.8 VA  4.8 VA  4.8 VA  4.8 VA  5.8 VA  5.8 VA  5.8 VA  5.8 VA  6.8  6.8  6.8  6.8  6.8  6.8  6.9  6.9	apparent holding power	
- at 60 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  - at 60 Hz  5.8 VA  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  closing power of magnet coil at DC  4.8 VA  5.8 VA  5.8 VA  5.8 VA  6.8 V	<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  sparent holding power of magnet coil at AC  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  output  0.8 closing power of magnet coil at DC  5.8 VA  5.8 VA  5.8 VA  5.8 VA  5.8 VA  6.8  6.8  6.8  6.8  6.8  6.8  6.8  6.	— at 50 Hz	4.8 VA
- at 50 Hz - at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz at 60 Hz  at 60 Hz  inductive power factor with the holding power of the coil  at 50 Hz at 50 Hz  at 60 Hz  0.8  closing power of magnet coil at DC  5.8 VA  6.8	— at 60 Hz	4.8 VA
— at 60 Hz       5.8 VA         apparent holding power of magnet coil at AC       5.8 VA         • at 50 Hz       5.8 VA         • at 60 Hz       5.8 VA         inductive power factor with the holding power of the coil       0.8         • at 50 Hz       0.8         • at 60 Hz       0.8         closing power of magnet coil at DC       360 W	<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
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  Closing power of magnet coil at DC  360 W	— at 50 Hz	5.8 VA
at 50 Hz  at 60 Hz  5.8 VA  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  0.8  closing power of magnet coil at DC  5.8 VA  6.8 VA  6	— at 60 Hz	5.8 VA
at 60 Hz  inductive power factor with the holding power of the coil      at 50 Hz     at 60 Hz      at 60 Hz  closing power of magnet coil at DC  5.8 VA  0.8  0.8  360 W	apparent holding power of magnet coil at AC	
inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  Closing power of magnet coil at DC  360 W	● at 50 Hz	5.8 VA
● at 50 Hz  ■ at 60 Hz  Closing power of magnet coil at DC  0.8  360 W	• at 60 Hz	5.8 VA
at 60 Hz      closing power of magnet coil at DC  360 W	inductive power factor with the holding power of the coil	
closing power of magnet coil at DC 360 W	• at 50 Hz	0.8
·	• at 60 Hz	0.8
holding power of magnet coil at DC 5.2 W	closing power of magnet coil at DC	360 W
-:	holding power of magnet coil at DC	5.2 W

	* at AC   2095 ms		
*** alt DC	## IDC  opening datay  ## id DC  ## of DC  ## openational current at AC-15  ## of DC-12  ## of DC-1	closing delay	
Opening delay	Special piles	• at AC	20 95 ms
# #1 AC	## AC	• at DC	20 95 ms
## ADC ## AD C	# AD C  # 40 - 00 ns	opening delay	
Incident	Control version of the switch operating mechanism   Control version of the switch operating mechanism   Control version of NC contacts for saudilary contacts instantaneous contact in contact for sublinary contacts instantaneous contact in contact	• at AC	40 60 ms
	Control version of the switch operating mechanism   Standard A1 - A2	• at DC	40 60 ms
Auxiliary Circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous operational current at AC-15  • at 230 V rated value • at 480 V rated value • at 680	Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous operational current at AC-12 maximum operational current at AC-15   a it 20 V rated value	arcing time	10 15 ms
	number of NC contacts for auxillary contacts instantaneous contact number of NC contacts for auxillary contacts instantaneous contact operational current at AC-15  • al 200 V rated value • at 400 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated valu	control version of the switch operating mechanism	Standard A1 - A2
Contact	Contact   Cont	Auxiliary circuit	
Contact   Cont	Contact   Cont		2
Page	Operational current at AC-15     * at 230 V rated value		2
• at 230 V rated value	earl 230 V rated value	operational current at AC-12 maximum	10 A
• at 400 V rated value	• at 400 V rated value	operational current at AC-15	
• at 500 V rated value 1A  • at 690 V rated value 1A  operational current at DC-12  • at 24 V rated value 5A  • at 69 V rated value 6A  • at 40 V rated value 6A  • at 100 V rated value 3A  • at 100 V rated value 3A  • at 110 V rated value 3A  • at 125 V rated value 1A  • at 25 V rated value 1A  • at 250 V rated value 1A  • at 2600 V rated value 1A  • at 24 V rated value 1A  • at 24 V rated value 1A  • at 25 V rated value 2A  • at 27 V rated value 2A  • at 28 V rated value 2A  • at 110 V rated value 3A  • at 26 V rated value 3A  • at 27 V rated value 3A  • at 28 V rated value 3A	• at 500 V rated value	at 230 V rated value	6 A
• at 690 V rated value	• at 690 V rated value  operational current at DC-12  • at 24 V rated value • at 68 V rated value • at 68 V rated value • at 60 V rated value • at 125 V rated value • at 126 V rated value • at 600 V rated value • at 68 V rated value • at 60 V rated value • at 125 V rated value • at 126 V rated value • at 126 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value	at 400 V rated value	3 A
0	0	at 500 V rated value	2 A
0	0		
• at 24 V rated value	• at 24 V rated value • at 48 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 800 V rated value • at 80 V rated value • at 125 V rated value • at 126 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 128 V rated value • at 129 V rated value • at 148 V rated value • at 149 V rated value • at 140 V rated value • at 220 V rated value • at 140 V rated value • at 200 V rated value • at 25 hp • for single-phase AC motor • at 200 V rated value • at 25 hp • for single-phase AC motor • at 200 V rated value • at 25 hp • for single-phase AC motor • at 250 V rated value • at 25 hp • for single-phase AC motor • at 250 V rated value • at 25 hp • for single-phase AC motor • at 250 V rated value • for 3-phase AC motor • at 260 V rated value • for 3-phase AC motor • at 260 V rated value • for 3-phase AC motor • at 260 V rated value • for 3-phase AC motor • at 260 V rated value • for 3-phase AC motor • at 260 V rated value • for 3-phase AC motor • at 260 V rated value • for 3-phase AC motor • at 460 V go V rated value • for 3-phase AC motor • at 460 V go V rated value • for 3-phase AC motor • at 460 V go V rated value • for 3-phase AC motor • at 460 V go V rated value • for 3-phase AC motor • at 460 V go V rated value • for 3-phase AC motor • at 460 V go V rated value • for 3-phase AC motor • at 460 V go V		
• at 48 V rated value • at 60 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 300 V rated value • at 300 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 105 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value • at 20 V rated value • at 600 V rated value • at 200 V rated value • at 300 V rated value • at 300 V rated value • at 375/600 V rated value • at 460480 V rated value • at 460480 V rated value • at 375/600 V rated value • at 375/600 V rated value • at 600 V ra	• at 48 V rated value	•	10 A
• at 60 V rated value	• at 60 V rated value		
• at 110 V rated value	at 110 V rated value		
• at 125 V rated value	at 125 V rated value		
• at 220 V rated value	• at 220 V rated value		
• at 600 V rated value         0,15 A           operational current at DC-13         10 A           • at 24 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 800 V rated value         0.1 A           Contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         2 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         2 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         2 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         2 faulty switching per 100 million	• at 600 V rated value		
at 24 V rated value 10 A 10 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A	e at 24 V rated value 10 A 2 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3		
e at 24 V rated value 2 A 2 at 48 V rated value 2 A 3 t 48 V rated value 2 A 3 t 60 V rated value 3 t 170 V rated value 4 at 110 V rated value 5 t 20 V rated value 6 at 220 V rated value 7 t 20 V rated value 8 t 220 V rated value 9 t 20 V rated value 9 t 20 V rated value 10 t 3 A 2 t 20 V rated value 9 t 20 V rated value 10 t 3 A 2 t 20 V rated value 10 t 48 V rated value 10 t 25 A	• at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 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 320 V rated value • at 480 V rated value • at 525 V rated value • at 525 V rated value • at 520 V rated value • at 220 V rated value • at 520 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • 50 hp • for 3-phase AC motor — at 460/480 V rated value • 100 hp — at 575/600 V rated value 100 hp  contact rating of availiary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required 9G: 355 A (690 V, 100 kA) 8G: 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 auxiliary switch required Installation/mounting/dimensions  mounting position  with vertical mounting surface +/-90* rotatable, with vertical mounting surface 4/- 22.5* tiltable to the front and back screw fixing  Yes		0.15 A
at 48 V rated value at 60 V rated value at 110 V rated value at 115 V rated value at 125 V rated value 0.9 A at 220 V rated value 0.1 A contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  U/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 230 V rated value 40 hp - at 220/230 V rated value - at 220/230 V rated value 100 hp - at 460/480 V rated value 100 hp - at 4575/600 V rated value 125 hp  contact rating of auxiliary contacts according to UL A600 / Q600  design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required with vertical mounting of mounting dimensions  mounting position  ya A  1 A  1 A  1 A  1 A  1 A  1 A  1 A	at 48 V rated value at 60 V rated value 2 A at 110 V rated value 1 A at 125 V rated value 0.9 A at 220 V rated value 0.3 A at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratins  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 50 hp at 220/230 V rated value 50 hp at 220/230 V rated value 100 hp at 460480 V rated value 100 hp at 460480 V rated value 100 hp at 460480 V rated value 100 hp at 575/600 V rated value 100 hp at 575/600 V rated value 100 hp contact rating of auxiliary contacts according to UL Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required 9G: 355 A (690 V, 100 kA) 9G: 10 A (690 V, 10 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)  e for short-circuit protection of the auxiliary switch required for short-circuit protection of the forn and back for short-circuit protection of the forn and back for stort-circuit protection of the front and back for short-circuit protection of the front and back for stort-circuit protection of the front and back	•	40.4
at 160 V rated value at 1110 V rated value at 125 V rated value 0.9 A at 125 V rated value 0.3 A at 600 V rated value 0.1 A  contact reliability of auxiliary contacts  UUCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 124 A at 800 V rated value 125 A  yielded mechanical performance [hp]  of or single-phase AC motor at 230 V rated value 25 hp of 3-phase AC motor at 220/230 V rated value 40 hp at 220/230 V rated value 50 hp at 460/480 V rated value 100 hp at 460/480 V rated value 105 hp at 460/480 V rated value 105 hp at 575/600 V rated value 105 hp contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link of or short-circuit protection of the main circuit	at 160 V rated value at 110 V rated value 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  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 230 V rated value 40 hp - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 690 V rated value - at 690 V rated value - at 575/600 V rated value - at 575/60		
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 800 V rated value • at 600 V rated value • at 600 V rated value  contact reliability of auxiliary contacts  I 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  piselded mechanical performance [hp] • for single-phase AC motor • at 230 V rated value • for 3-phase AC motor • at 220/230 V rated value • for 3-phase AC motor • at 220/230 V rated value • 50 hp • at 220/230 V rated value • 50 hp • at 220/230 V rated value • 50 hp • at 460/480 V rated value • 100 hp • at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit • with type of coordination 1 required • with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 800 V rated value • at 800 V rated value • at 800 V rated value  contact reliability of auxiliary contacts  If aulty 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  for 3-phase AC motor • at 220 V rated value • for 3-phase AC motor • at 220 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 575/600 V rated value • at 575/600 V rated value • at 600/400 V rated value • at 600/400 V rated value • at 600/400 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit • with type of assignment 2 required • with type of assignment 2 required • for short-circuit protection of the auxiliary switch required of the fuse link • 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 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 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 auxiliary switch required • side-by-side mounting • side-by-side mounting		
• at 125 V rated value • at 220 V rated value • at 600 V rated value  • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 200 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • at 600 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • 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  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required  where the fuse of 600 V, 100 kA), am: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)  • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 24 A</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 460/480 V rated value</li> <li>for 3-phase AC motor</li> <li>at 460/480 V rated value</li> <li>mat 460/480 V rated value</li> <li>for hp</li> <li>at 575/600 V rated value</li> <li>for hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>Short-circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> <li>with type of assignment 2 required</li> <li>gG: 355 A (690 V, 100 kA)</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tillable to the front and back <ul> <li>screw fixing</li> <li>yes</li> </ul>		
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  UL/CSA ratings  UL/CSA ratings  Itality switching per 100 million (17 V, 1 mA)  UL/CSA ratings  UL/CSA ratings  Itality switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Itality switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Itality switching per 100 million (17 V, 1 mA)  UL/CSA ratings  Itality switching per 100 million (17 V, 1 mA)  Itality switching per 100 million (17 V, 10 MA)  Itality switching per 100 million (17 V, 10 MA)			
• 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  124 A  • at 600 V rated value  pielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  50 hp  — at 460/480 V rated value  100 hp  — at 4575/600 V rated value  125 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required the form and back	at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/GSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value at 600 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 for 3-phase AC motor  at 220/230 V rated value 50 hp at 460/480 V rated value 100 hp at 4575/600 V rated value 25 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link for short-circuit protection of the main circuit with type of assignment 2 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required gG: 355 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes		
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  125 A  yelded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  — at 460/480 V rated value  — at 600 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  — with rype of coordination 1 required  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back	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  • at 600 V rated value  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • for 4-phase AC motor  — at 200/208 V rated value  — at 460/480 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required gG: 355 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back  screw fixing  Yes		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  • at 230 V rated value  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 460/480 V rated value  — at 4575/600 V rated value  — at 575/600 V rated value  — to for short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back	## Total Contract FLA) for 3-phase AC motor  ■ at 480 V rated value ■ at 600 V rated value ■ 124 A  ■ at 600 V rated value ■ 125 A  ## Price of Single-phase AC motor  — at 230 V rated value ■ 6 for 3-phase AC motor  — at 200/208 V rated value ■ 40 hp — at 200/208 V rated value — at 200/208 V rated value — at 200/200 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 V rated value — with type of auxiliary contacts according to UL  ## Short-circuit protection  ## design of the fuse link  ■ for short-circuit protection of the main circuit — with type of assignment 2 required — with type of assignment 2 required — with type of assignment 2 required  ■ for short-circuit protection of the auxiliary switch required  ■ for short-circuit protection of the auxiliary switch required 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  ■ for short-circuit protection of the form and back  ### Total Rate of Price of the form and back  ### Total Rate of Price of Total Pric	at 600 V rated value	
full-load current (FLA) for 3-phase AC motor  at 480 V rated value  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  — at 675/600 V rated value  100 hp  — at 575/600 V rated value  25 hp  contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit  — with type of coordination 1 required  with type of assignment 2 required  for short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the auxiliary switch required and for short-circuit protection of the	full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp]  • for single-phase AC motor — at 230 V rated value  • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 200/209 V rated value — at 200/300 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 575/600 V rated value — to 55 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  for short-circuit protection of the main circuit  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  -/- 22,5° tiltable to the front and back  screw fixing  Yes	<u> </u>	1 faulty switching per 100 million (17 V, 1 mA)
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>125 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li></ul>	<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>125 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li></ul>	UL/CSA ratings	
• at 600 V rated value  yielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  Contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  — with type of assignment 2 required  — for short-circuit protection of the auxiliary switch required  — with type of assignment 2 requir	• at 600 V rated value  yielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • at 220/230 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  125 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back  fastening method  • side-by-side mounting  Yes	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 60/480 V rated value  — at 60/480 V rated value  — at 575/600 V rated value  — at 60/480 V rated value  — at 60/480 V rated value  — at 220/230 V rated value  — at 575/600 V rated value  — at 60/480 V rated value  — at 220/230 V rated value  — at	yielded mechanical performance [hp]  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  — oat 575/600 V rated value  — at 575/600 V rated value  — oat 600 V	at 480 V rated value	124 A
<ul> <li>for single-phase AC motor         — at 230 V rated value         <ul> <li>for 3-phase AC motor</li> <li>— at 200/208 V rated value             <ul> <li>40 hp</li> <li>— at 220/230 V rated value                     — at 460/480 V rated value                     — at 575/600 V rated value                     — at 575/600 V rated value                     — at 575/600 V rated value                     — at 600 / Q600</li></ul></li></ul></li></ul>	<ul> <li>for single-phase AC motor</li></ul>	at 600 V rated value	125 A
- at 230 V rated value  • for 3-phase AC motor  - at 200/208 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 460/480 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 575/600 V rated value  - at 460/480 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 460/480 V rated value  - at 460/4	- at 230 V rated value  • for 3-phase AC motor  - at 200/208 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 460/480 V rated value  - at 460/480 V rated value  - at 220/230 V rated value  - at 220/230 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 220/230 V rated value  - at 460/480 V rated value  - at 220/30 V rated value  - at 460/480 V rated value  - at 460/48	yielded mechanical performance [hp]	
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 460/480 V rated value         — at 575/600 V rated value          — at 575/600 V rated value         — A600 / Q600  Short-circuit protection  design of the fuse link         — for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         — with type of assignment 2 required         — of r short-circuit protection of the auxiliary switch required         — of short-circuit protection of the auxiliary switch required         — with type of assignment 2 required	for 3-phase AC motor          — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 460/480 V rated value         — at 575/600 V rated value         — at 575/600 V rated value         — 200 V rated value         — 200 V rated value	<ul> <li>for single-phase AC motor</li> </ul>	
- at 220/208 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	- 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  • for short-circuit protection of the main circuit  — with type of coordination 1 required gG: 355 A (690 V, 100 kA)  — 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  • side-by-side mounting	— at 230 V rated value	25 hp
- at 220/230 V rated value 50 hp - at 460/480 V rated value 125 hp  contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required gG: 355 A (690 V, 100 kA)  — 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back	- 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  • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 355 A (690 V, 100 kA) - 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method • side-by-side mounting Yes	• for 3-phase AC motor	
- at 460/480 V rated value - at 575/600 V rated value 125 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  - with type of coordination 1 required 9G: 355 A (690 V, 100 kA)  • with type of assignment 2 required 9G: 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 auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	- at 460/480 V rated value - at 575/600 V rated value 125 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA) - 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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method • side-by-side mounting  Yes	— at 200/208 V rated value	40 hp
- at 575/600 V rated value  contact rating of auxiliary contacts according to UL  A600 / Q600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back	- at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back  fastening method  • side-by-side mounting  Yes	— at 220/230 V rated value	50 hp
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back	contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back  screw fixing  • side-by-side mounting  Yes	— at 460/480 V rated value	100 hp
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back	contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back  screw fixing  • side-by-side mounting  Yes	— at 575/600 V rated value	·
design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required — with type of assignment 2 required  • for short-circuit protection of the main circuit  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface  +/- 22.5° tiltable to the front and back  fastening method  • side-by-side mounting  Yes	contact rating of auxiliary contacts according to UL	A600 / Q600
design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  gG: 355 A (690 V, 100 kA)  gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)  kA)  • for short-circuit protection of the auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	design of the fuse link  ● for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required  ● for short-circuit protection of the auxiliary switch required  ■ for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions    with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back    fastening method   screw fixing   Yes		
for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         — with type of assignment 2 required         — with type of assignment 2 required         — for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back	<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50 kA)</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back</li> </ul> </li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>yes</li> </ul> </li> </ul>		
— with type of coordination 1 required  — with type of assignment 2 required  — with type of assignment 2 required  — for short-circuit protection of the auxiliary switch required  — for short-circuit protection of the auxiliary switch required  — with type of coordination 1 required  — 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	- 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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	— 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 auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  • side-by-side mounting  Yes		aG: 355 A (690 V, 100 kA)
• for short-circuit protection of the auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	● for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method screw fixing  ● side-by-side mounting Yes	**	gG: 250 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 250 A (415 V, 50
Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	Installation/ mounting/ dimensions  mounting position  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back  fastening method  • side-by-side mounting  Yes	for short-circuit protection of the auxiliary switch required	
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	mounting position       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         fastening method       screw fixing         ● side-by-side mounting       Yes	<u> </u>	
	fastening method       screw fixing         ● side-by-side mounting       Yes		
	·	fastening method	
• side-by-side mounting Yes	height 172 mm	side-by-side mounting	Yes
height 172 mm		height	172 mm

width	120 mm
depth	170 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
onnections/ Terminals	
type of electrical connection	
for main current circuit	box terminal
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
• of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	Colon type to minute
• stranded	max. 1x 50, 1x 70 mm <sup>2</sup>
solid or stranded	max. 1x 50, 1x 70 mm <sup>2</sup>
finely stranded with core end processing	max. 1x 50, 1x 70 mm²
finely stranded with core end processing     finely stranded without core end processing	max. 1x 50, 1x 70 mm²
connectable conductor cross-section for main contacts	111dA. 1A 50, 1A 70 Hilli
stranded	16 70 mm²
finely stranded with core end processing	16 70 mm²
finely stranded with core end processing     finely stranded without core end processing	16 70 mm²
connectable conductor cross-section for auxiliary contacts	10 70 111111
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm <sup>2</sup>
type of connectable conductor cross-sections	0.5 2.5 11111
for auxiliary contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid	
— 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
suitability for use safety-related switching OFF	Yes
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	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
ertificates/ approvals	





Confirmation



<u>KC</u>



	Functional
EMC	Safety/Safety of Ma-
	chinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping









**Miscellaneous** 

other

other

Railway

Confirmation

**Miscellaneous** 

Confirmation

Vibration and Shock

Special Test Certificate

## **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=3RT1054-1AR36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-1AR36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-1AR36

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

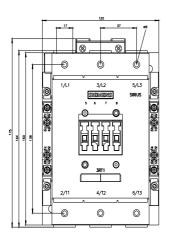
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1054-1AR36&lang=en

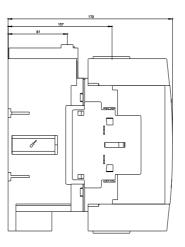
Characteristic: Tripping characteristics, I²t, Let-through current

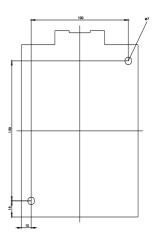
https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-1AR36/char

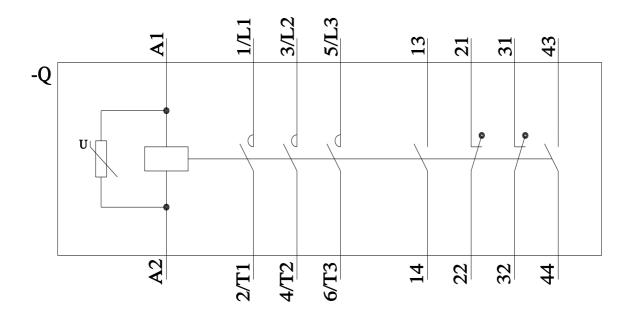
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1054-1AR36&objecttype=14&gridview=view1









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