# **SIEMENS**

Data sheet 3RT1276-6AT36



vacuum contactor AC-3e/AC-3 500 A, 250 kW / 400 V, 3-pole, Uc: 575-600 V AC(50-60 Hz) / DC drive: conventional auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul><li>auxiliary switch</li></ul>	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	96 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	32 W
<ul> <li>without load current share typical</li> </ul>	10 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
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
<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	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %

maximum

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	1 000 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	610 A
● at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	610 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	550 A
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	610 A
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> </ul>	550 A
• at AC-3	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	500 A
— at 1000 V rated value	500 A
• at AC-3e	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	500 A
— at 1000 V rated value	500 A
<ul><li>at AC-4 at 400 V rated value</li><li>at AC-6a</li></ul>	430 A
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	439 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	439 A
— up to 500 V for current peak value n=20 rated value	439 A
— up to 690 V for current peak value n=20 rated value	439 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	439 A
— up to 230 V for current peak value n=30 rated value	293 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	293 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	293 A
— up to 690 V for current peak value n=30 rated value	293 A
— up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1	293 A 370 mm <sup>2</sup>
rated value  operational current for approx. 200000 operating	OTO HIIII
cycles at AC-4	
at 400 V rated value	215 A
• at 690 V rated value	215 A
operating power  ● at AC-3	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	355 kW
— at 690 V rated value	500 kW
— at 1000 V rated value	710 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
are to a contain territory	

at 500 V rand value at 1000 V rand value at 400 V rand value at 400 V rand value at 400 V rand value at 600 V rand value up to 200 V for current peak value n=20 rand value up to 500 V for current peak value n=20 rand value up to 500 V for current peak value n=20 rand value up to 500 V for current peak value n=20 rand value up to 1000 V for current peak value n=20 rand value up to 500 V for current peak value n=20 rand value up to 500 V for current peak value n=20 rand value up to 500 V for current peak value n=20 rand value up to 500 V for current peak value n=30 r		
a	— at 690 V rated value	500 kW
### decided value   122 kW   212 kW   2	<ul><li>— at 1000 V rated value</li></ul>	710 kW
### 4400 V rated value ### 4600 V rated value ### 4600 V rated value ### 4000 V rate value ne20 rated value ### 4000 V rated value ne20 rated value ### 4000 V rated value ne20 rated value #### 4000 V rated value ne20 rated value #### 4000 V rated value ne20 rated value ####################################		
### 212 kW  ***properating apparant power at AC-8a  **pi to 230 V for current peak value n=20 rated value  **up to 800 V for current peak value n=20 rated value  **up to 800 V for current peak value n=20 rated value  **up to 800 V for current peak value n=20 rated value  **up to 800 V for current peak value n=20 rated value  **up to 800 V for current peak value n=20 rated value  **up to 800 V for current peak value n=20 rated value  **up to 230 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **up to 800 V for current peak value n=30 rated value  **al AC-3 maximum  **To 90 fb  **al AC-4 maximum  **To 90 fb  **al AC-4 maximum  **To 90 fb  **al AC-5 maximum  **To 90 fb  **al AC-5 maximum  **To 90 fb  **al AC-6 maximum  **To 90 fb  **al AC-6 maximum  **To 90 fb  **al AC-7 maximum  **To 90 fb  **al AC-8 maximum  **To 90 fb  **al AC-8 maximum  **To 90 fb  **al AC-9 maximum  **To		
operating apparent power at AC-6a		· · · · ·
		212 kW
	operating apparent power at AC-6a	
	·	170 000 kVA
	<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	300 000 VA
• up to 1 0000 V for current peak value n=20 rated value  operating apparent power at AC-8a  • up to 230 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • at BC  • at BC  • at BC  • at CD  • at AC-1 maximum  • at AC-3 maximum  • at AC-4 maximum  • at AC-4 maximum  • at AC-3 maximum  • at AC-4 maximum  • at CO Intradict Ucontrol  type of votage of the control supply voltage  control supply voltage at AC  • at 60 Hz rated value  • at 60 Hz rated value  • control supply voltage at DC  • initial value  • control supply voltage at DC  • initial value  • (all-scale value)  • operating range factor control supply voltage rated value of magnet coil at AC  • at 60 Hz  • at 60 H	<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	380 000 VA
value operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value ro-load switching frequency • at AC • at AC • at C • at AC • at	<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	520 000 VA
Operating apparent power at AC-6a	<ul> <li>up to 1000 V for current peak value n=20 rated</li> </ul>	760 000 VA
• up to 230 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • at AC = Taximum  • at BC + Taximum  • at AC = Taximum  • at AC	value	
	operating apparent power at AC-6a	
■ up to 560 V for current peak value n=30 rated value     ■ up to 1000 V for current peak value n=30 rated value     ■ up to 1000 V for current peak value n=30 rated value     no-load switching frequency     ■ at AC     ■ at DC     ■ at DC     □ at AC     ■ at DC     □ at AC-3 maximum     □ at AC-4 maximum     □ at BO Hz rated value     □ at BO Hz	<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	110 000 VA
• up to 1980 ∨ for current peak value n=30 rated value value no-30 as witching frequency • at AC • at DC • at DC • at AC-1 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at BC-9 voltage of the control supply voltage • at 60 Hz rated value • at 60 Hz at BC-9 voltage • at 60 Hz at BC-9 voltage • at 60 Hz at BC-9 voltage • at 60 Hz	<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	200 000 VA
• up to 1000 V for current peak value n≈30 rated value  no-load switching frequency  • at AC  • at DC  operating frequency  • at AC-1 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  • at BC Hz rated value  • at 60 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz  • at 6	<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	250 000 VA
• up to 1000 V for current peak value n≈30 rated value  no-load switching frequency  • at AC  • at DC  operating frequency  • at AC-1 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-4 maximum  • at BC Hz rated value  • at 60 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz  • at 6	<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	350 000 VA
value no-load switching frequency  • at AC • at DC • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-8 maximum • at AC-8 maximum • at AC-8 maximum • at AC-8 maximum • at SO Hz rated value • at SO Hz maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at SO Hz • at SO		500 000 VA
at AC     at DC     operating frequency     at AC-1 maximum     at AC-2 maximum     at AC-3 maximum     at BC-4 maximum     at AC-3 maximum     at AC-3 maximum     at BC-4 maximum     at AC-3 maximum     at AC-3 maximum     at AC-3 maximum     at BC-4 maximum     at AC-3 maximum     at AC-3 maximum     at AC-3 maximum     at BC-4 maximum		
• at DC operating frequency • at AC-1 maximum • at AC-3 maximum • at AC-4 maximum  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • for lated value • for lated value • for lated value • for lated value • full-scale value • ful	no-load switching frequency	
operating frequency	• at AC	2 000 1/h
at AC-1 maximum     at AC-2 maximum     at AC-3 maximum     at AC-4 maximum     at AC-3 maximum     at AC-4 maximum     at AC-4 maximum     at AC-4 maximum     at AC-5 maximum     at AC-4 maximum     at AC-5 maximum     at AC-5 maximum     at AC-6 maximum     at AC-7 maximum     at AC-8 maximum     at AC-9 maximum	• at DC	2 000 1/h
	operating frequency	
	• at AC-1 maximum	700 1/h
at AC-3e maximum at AC-4 maximum 250 1/h at AC-4 maximum 250 1/h  control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 575 600 V  control supply voltage at DC are rated value operating range factor control supply voltage rated value of magnet coil at DC initial value at 50 Hz at 50 Hz at 60 Hz	<ul> <li>at AC-2 maximum</li> </ul>	250 1/h
e at AC-4 maximum  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC  e at 50 Hz rated value 575 600 V  crated value operating range factor control supply voltage rated value of magnet coil at DC  e initial value initial value operating range factor control supply voltage rated value of magnet coil at AC  e at 50 Hz at 60 Hz 0.8 1.1  design of the surge suppressor apparent pick-up power of magnet coil at AC  e at 50 Hz e at 60 Hz  o at 60 Hz  inductive power factor with closing power of the coil e at 50 Hz e at 60 Hz  o at 60 Hz  o at 60 Hz  inductive power factor with closing power of the coil e at 50 Hz e at 60 Hz  o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 50 Hz e at 60 Hz o at 60 Hz o at 50 Hz e at 60 Hz o at 6	<ul><li>at AC-3 maximum</li></ul>	750 1/h
type of voltage of the control supply voltage control supply voltage at AC  at 50 Hz rated value  575 600 V  at 80 Hz rated value  575 600 V  control supply voltage at AC  rated value  575 600 V  control supply voltage at DC  rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  ot 60 Hz  at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  at 60 Hz  at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  at	<ul> <li>at AC-3e maximum</li> </ul>	750 1/h
type of voltage of the control supply voltage control supply voltage at AC  at 50 Hz rated value at 60 Hz rated value 575 600 V  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 50 Hz at 60 Hz  at 50 Hz at 50 Hz at 50 Hz at 50 Hz at 60 Hz  at 50 Hz at 60 Hz  operating range factor with closing power of the coil  at 50 Hz at 50 Hz at 60 Hz  at 50 Hz at 60 Hz  operating range factor with closing power of the coil  at 50 Hz at 60 Hz  operating range factor with closing power of the coil  at 50 Hz at 60 Hz apparent holding power of magnet coil at AC  at 50 Hz apparent holding power of magnet coil at AC  at 50 Hz at 60 Hz  operating range factor with the holding power of the coil  at 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC closing delay  at AC at DC  45 100 ms	<ul> <li>at AC-4 maximum</li> </ul>	250 1/h
control supply voltage at AC  at 50 Hz rated value 575 600 V  at 60 Hz rated value 575 600 V  rated value operating range factor control supply voltage rated value of magnet coil at DC  initial value full-scale value operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz at 60 Hz 0.8 1.1  design of the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz at 50 Hz back of BC at 60 Hz inductive power factor with closing power of the coil at 50 Hz back of BC back	Control circuit/ Control	
control supply voltage at AC  at 150 Hz rated value 575 600 V  something range factor control supply voltage rated value of magnet coil at DC  initial value 0.8  full-scale value 0.8  1.1  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  tesign of the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  inductive power factor with closing power of the coil  at 50 Hz  year one  at 50 Hz  at 50 Hz  at 50 Hz  year one  at 50 Hz  at 50 Hz  at 50 Hz  at 60 Hz  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  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	type of voltage of the control supply voltage	AC/DC
at 50 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     full-scale 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 50 Hz     at 60 Hz     design of the surge suppressor     apparent pick-up power of magnet coil at AC     at 50 Hz     at 60 Hz     at 60 Hz     inductive power factor with closing power of the coil     at 50 Hz     at 60 Hz     at 60 Hz     at 60 Hz     at 60 Hz     inductive 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     operating rate with the holding power of the coil     at 50 Hz     at 60 Hz     at 6		
at 60 Hz rated value control supply voltage at DC  in 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 AC  initial value operating range factor control supply voltage rated value of magnet coil at AC  int 50 Hz ot 60 Hz	Control Supply Voltage at AO	
orated value     operating range factor control supply voltage rated value of magnet coil at DC     o initial value     of ull-scale value     operating range factor control supply voltage rated value of magnet coil at AC     o at 50 Hz     o at 60 Hz     o at 50 Hz     o at 60 Hz     o at 60 Hz     o at 60 Hz     inductive power factor with closing power of the coil     o at 50 Hz     o at 60 Hz     o at 50 Hz     o at 60 Hz     o		575 600 V
orated value     operating range factor control supply voltage rated value of magnet coil at DC     o initial value     of ull-scale value     operating range factor control supply voltage rated value of magnet coil at AC     o at 50 Hz     o at 60 Hz     o at 50 Hz     o at 60 Hz     o at 60 Hz     o at 60 Hz     inductive power factor with closing power of the coil     o at 50 Hz     o at 60 Hz     o at 50 Hz     o at 60 Hz     o	• at 50 Hz rated value	
value of magnet coil at DC  • initial value • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  outleto 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  outleto Hz • at 60 Hz	<ul><li>at 50 Hz rated value</li><li>at 60 Hz rated value</li></ul>	
value of magnet coil at DC  • initial value • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  outleto 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  outleto Hz • at 60 Hz	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> </ul>	575 600 V
• full-scale value operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz  Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> </ul>	575 600 V
operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  • at 60 Hz  oat 50 Hz • at 60 Hz  oat 60	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated</li> </ul>	575 600 V
value of magnet coil at AC  at 50 Hz  at 60 Hz  design of the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  by at 60 Hz  at 50 Hz  at 60 Hz  inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  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 60 Hz  by 2 VA  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  coil  at 50 Hz  by 2 VA  inductive power of magnet coil at DC  coil  at 50 Hz  at 60 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay  at AC  at AC  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> </ul>	575 600 V 575 600 V
at 50 Hz at 60 Hz at 60 Hz buildraise surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz buildraise surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz buildraise surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz buildraise surge suppressor at 60 Hz buildraise surge suppressor apparent pick-up power factor with closing power of the coil at 50 Hz buildraise surge suppressor at 60 Hz buildraise surges surgers surge	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> </ul>	575 600 V 575 600 V 0.8
at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  at 50 Hz  at 50 Hz  at 60 Hz  by at 60 Hz  at 50 Hz  at 60 Hz  at 50 Hz  at 60 Hz  by at 60 Hz  at 50 Hz  at 60 Hz  at 50 Hz  by at 60 Hz  at 50 Hz  at 60 Hz  by 2 VA  at 60 Hz  inductive power factor with the holding power of the coil  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  closing power of magnet coil at DC  holding power of magnet coil at DC  tologing delay  at AC  at AC  45 100 ms  at DC	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated</li> </ul>	575 600 V 575 600 V 0.8
design of the surge suppressor apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz  • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC • 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  coil • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC  with varistor  830 VA  830 VA  9.9  0.9  0.9  0.9  0.9  10 W  10 W  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> </ul>	575 600 V 575 600 V 0.8 1.1
apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz  • at 60 Hz  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  coil • at 50 Hz • at 60 Hz  finductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  closing power of magnet coil at DC holding power of magnet coil at DC  closing delay • at AC • at DC  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> </ul>	575 600 V 575 600 V 0.8 1.1
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>to W</li> <li>closing delay</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC</li> <li>at DC</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V 575 600 V 0.8 1.1 0.8 1.1 0.8 1.1
at 60 Hz  inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  other at 50 Hz  at 60 Hz  paperent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  other at 60 Hz  inductive power factor with the holding power of the coil  at 50 Hz  at 50 Hz  other at 60 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay  at AC  at 60 Hz  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> </ul>	575 600 V 575 600 V 0.8 1.1 0.8 1.1 0.8 1.1
inductive power factor with closing power of the coil  • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  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  holding power of magnet coil at DC  closing delay  • at AC • at DC  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor apparent pick-up power of magnet coil at AC</li> </ul>	575 600 V  575 600 V  0.8  1.1  0.8 1.1  0.8 1.1 with varistor
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC ms</li> <li>at DC ms</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> </ul>	575 600 V  575 600 V  0.8  1.1  0.8 1.1  0.8 1.1 with varistor  830 VA
<ul> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>but at 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC ms</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V  575 600 V  0.8  1.1  0.8 1.1  0.8 1.1 with varistor  830 VA
apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz 9.2 VA  inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz 0.9 closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at DC  • at 50 Hz 0.9  0.9  10 W  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V  575 600 V  0.8  1.1  0.8 1.1  0.8 1.1 with varistor  830 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>o.9</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>toosing delay</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9
<ul> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>0.9</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>toosing delay</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9
inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz  closing power of magnet coil at DC holding power of magnet coil at DC tosing delay  • at AC • at DC  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9
e at 50 Hz  ■ at 50 Hz  ■ at 60 Hz  Closing power of magnet coil at DC  holding power of magnet coil at DC  tolosing delay  ■ at AC  ■ at DC  at DC  0.9  0.9  0.9  10 W  10 W  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9 9.2 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>tosing delay</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9 9.2 VA
<ul> <li>at 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>10 W</li> <li>closing delay</li> <li>at AC</li> <li>at DC</li> <li>45 100 ms</li> <li>at DC</li> <li>45 100 ms</li> </ul>	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9 9.2 VA
closing power of magnet coil at DC holding power of magnet coil at DC closing delay	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA  0.9 0.9  9.2 VA 9.2 VA
holding power of magnet coil at DC closing delay  • at AC • at DC  45 100 ms  45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA  0.9 0.9  9.2 VA 9.2 VA
closing delay         ● at AC       45 100 ms         ● at DC       45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA  0.9 0.9  9.2 VA 9.2 VA  9.9 VA
• at AC 45 100 ms 45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>out 60 Hz</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9  9.2 VA 9.2 VA 9.2 VA
• at DC 45 100 ms	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>prated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> </ul>	575 600 V  575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9  9.2 VA 9.2 VA 9.2 VA
	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>prated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay</li> </ul>	575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9  9.2 VA 9.2 VA 9.2 VA  0.9 0.9 920 W 10 W
opening delay	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing delay</li> <li>at AC</li> </ul>	575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9  9.2 VA 9.2 VA 9.2 VA 9.2 VA 9.4 VA
	<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>closing power of magnet coil at DC</li> <li>closing delay</li> <li>at AC</li> <li>at DC</li> </ul>	575 600 V  0.8 1.1  0.8 1.1 0.8 1.1 with varistor  830 VA 830 VA 0.9 0.9  9.2 VA 9.2 VA 9.2 VA 9.2 VA 9.4 VA

a at AC	60 100 mg
<ul><li>at AC</li><li>at DC</li></ul>	60 100 ms 60 100 ms
	10 15 ms
arcing time control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	Standard AT - AZ
number of NC contacts for auxiliary contacts	2
instantaneous 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 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	40.4
• at 24 V rated value	10 A
at 48 V rated value     at 60 V rated value	6 A
at 110 V rated value	6 A 3 A
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul>	2 A
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	0.10 A
• at 24 V rated value	10 A
at 48 V rated value	2 A
at 40 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 ratings	
OL/OSA Tallings	
· · · · · · · · · · · · · · · · · · ·	
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	477 A
full-load current (FLA) for 3-phase AC motor	477 A 472 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	11111
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value	11111
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]	11111
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor	472 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value	472 A 150 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value	472 A  150 hp 200 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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	472 A  150 hp 200 hp 400 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 575/600 V rated value	472 A  150 hp 200 hp 400 hp 500 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 575/600 V rated value  contact rating of auxiliary contacts according to UL	472 A  150 hp 200 hp 400 hp 500 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection	472 A  150 hp 200 hp 400 hp 500 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface;
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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  fastening method • side-by-side mounting	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing Yes
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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  fastening method • side-by-side mounting height	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing Yes 214 mm
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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  fastening method • side-by-side mounting height width	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing Yes 214 mm 160 mm
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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  fastening method • side-by-side mounting height width depth	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing Yes 214 mm 160 mm
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  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 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  fastening method • side-by-side mounting height width depth required spacing	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing Yes 214 mm 160 mm
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  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 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  fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting	472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  gG: 800 A (690 V, 100 kA) gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  +/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface screw fixing Yes 214 mm 160 mm 225 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
nnections/ Terminals	

#### type of electrical connection

- for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts
- of magnet coil

width of connection bar thickness of connection bar

diameter of holes number of holes

connectable conductor cross-section for main contacts

stranded

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 - solid or stranded
  - finely stranded with core end processing
- at AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section

• for auxiliary contacts

Connection bar

screw-type terminals Screw-type terminals

Screw-type terminals

25 mm 6 mm 11 mm

1

70 ... 240 mm<sup>2</sup>

0.5 ... 4 mm<sup>2</sup>

0.5 ... 2.5 mm<sup>2</sup>

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²) 2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), max. 2x (0,75 ... 4 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

18 ... 14

## Safety related data

### product function

- mirror contact according to IEC 60947-4-1
- positively driven operation according to IEC 60947-

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

• safety-related switching OFF

Yes

No

20 a

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover

Yes

# Certificates/ approvals

# **General Product Approval**

Confirmation







**EMC** 

**Functional** Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other







Confirmation

**Miscellaneous** 

Confirmation

#### Railway

Special Test Certific- Vibration and Shock ate

#### **Further information**

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=3RT1276-6AT36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1276-6AT36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AT36

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

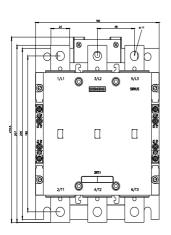
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1276-6AT36&lang=en

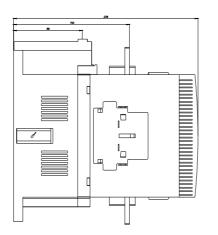
Characteristic: Tripping characteristics, I2t, Let-through current

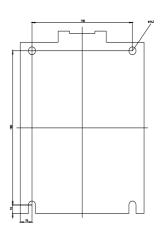
https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AT36/char

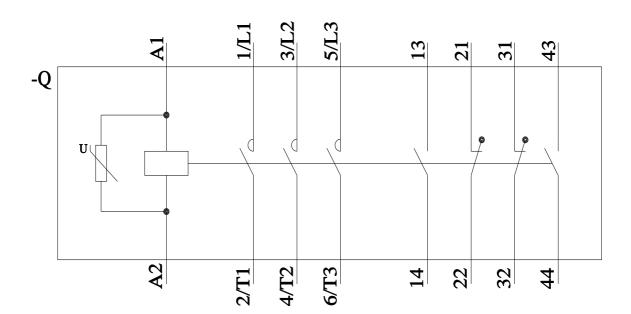
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1276-6AT36&objecttype=14&gridview=view1









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