## **SIEMENS**

Data sheet 3RT5055-6AF36



Contactor 110...127 V AC/DC AC3 kW 400 V AC (50...60 Hz) / DC operation auxiliary contacts 2 NO + 2 NC, 3-pole, size S6 bar connections conventional operating mechan. screw terminal

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT5	
General technical data		
size of contactor	S6	
product extension auxiliary switch	Yes	
insulation voltage rated value	1 000 V	
degree of pollution	3	
surge voltage resistance rated value	8 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)		
<ul> <li>of contactor typical</li> </ul>	10 000 000	
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000	
Substance Prohibitance (Date)	03/01/2017	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +60 °C	
<ul><li>during storage</li></ul>	-55 +80 °C	
Main circuit		
number of poles for main current circuit	3	
number of NO contacts for main contacts	3	
number of NC contacts for main contacts	0	
operating voltage		
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V	
operational current		
<ul> <li>at AC-1 up to 690 V</li> </ul>		
<ul> <li>— at ambient temperature 40 °C rated value</li> </ul>	185 A	
<ul> <li>at ambient temperature 60 °C rated value</li> </ul>	160 A	
• at AC-3		
— at 400 V rated value	150 A	
— at 690 V rated value	150 A	
• at AC-3e		
— at 400 V rated value	150 A	

### at 40 °C minimum permissible	— at 690 V rated value	150 A
### at 40 °C minimum permissible	connectable conductor cross-section in main circuit	
### 40 °C minimum permissible operational current for approx. 200000 operating cyclies at AC-4 ### 41 *400 V rated value		
### 40 °C minimum permissible operating cyclies at AC-4  ### 400 V rated value  ### 57 A  ### 57		70 mm²
operational current for approx. 200000 operating cycles at AC-4         at 400 V rated value         68 A           at 1890 V rated value         57 A           at 1800 V rated value         60 kW           at 1800 V at 60 °C rated value         10 kW           at 400 V at 60 °C rated value         105 kW           at 800 V at 60 °C rated value         181 kW           at 1800 V rated value         50 kW           at 400 V rated value         34 kW           at 400 V rated value         146 kW           at 1800 V rated value         128 kW           at 800 V rated value         132 kW           operating power for approx. 200000 operating cycles at AC-4         38 kW           at 400 V rated value         38 kW           at 600 V rated value         38 kW           at 600 V rated value         55 kW           operating frequency         14 AC-4           at 600 V rated value         55 kW           ol 600 V rated value         55 kW           ol 600 V rated value         50 th           at 60 A maximum         750 th           at 60 A maximum         750 th           at 60 Hz rated value         10 127 V           at 60 Hz rated value         10 127 V           at 60 Hz rated value<		1.5 11111
cycles at AC-4	· · · · · · · · · · · · · · · · · · ·	95 mm²
* at 400 V rated value		
e al 690 V rated value operating power e at AC-1  — at 230 V at 60 °C rated value — at 400 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690	cycles at AC-4	
operating power  al 230 V at 60 °C rated value — at 400 V at 60 °C rated value — at 680 V at 60 °C rated value — at 680 V rated value — at 400 V rated value — at 400 V rated value — at 680 V rated value — at 690 V rated value — at 600 V rated value — a	<ul> <li>at 400 V rated value</li> </ul>	68 A
all AC-1	<ul> <li>at 690 V rated value</li> </ul>	57 A
all AC-1	operating power	
		COLUM
= at AC-3		
	— at 400 V at 60 °C rated value	105 kW
	— at 690 V at 60 °C rated value	181 kW
	• at AC-3	
	— at 230 V rated value	50 kW
— at 400 V rated value — at 590 V rated value 132 kW 133 kW 134		140 KVV
— at 690 V rated value operating power for approx. 200000 operating cycles at AC-4		
operating power for approx. 200000 operating cycles at AC-4         at 400 V rated value         38 kW           at 590 V rated value         55 kW           no-load switching frequency         at DC         2 000 1/h           at DC         2 000 1/h           operating frequency         at AC-1 maximum         800 1/h           at AC-3 maximum         750 1/h           at AC-3 maximum         750 1/h           at AC-3 emaximum         750 1/h           at AC-4 maximum         130 1/h            AC/DC            110 127 V           val 50 Hz rated value         110 127 V           e at 50 Hz rated value         110 127 V           operating range factor control supply voltage rated value of magnet coil at AC         110 127 V           e at 50 Hz         0.8 1.1           at 60 Hz         0.8 1.1           with value of magnet coil at AC         0.8 1.1           e at 50 Hz         0.9           at 60 Hz         0.9           at 50 Hz         0.9           at 50 Hz         0.9           at 60 Hz         0.8           at 60 Hz         0.8           at	— at 400 V rated value	75 kW
at AC-4	— at 690 V rated value	132 kW
at AC-4		
• at 400 V rated value • at 690 V rated value • at 8C • at DC • at DC • at DC • at DC • at AC-1 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-1 maximum •		
• at 690 V rated value no-load switching frequency • at AC • at DC • at DC operating frequency • at AC-1 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 ex maximum • at AC-4 maximum • at BC-4 maximum • at AC-4 maximum • at AC-4 maximum • at BC-4 maximum • at		38 kW
no-load switching frequency  at ACC at DC  operating frequency  at AC-1 maximum  at AC-3 maximum  at AC-3 maximum  at AC-3 maximum  at AC-3 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-8 maximum  at AC-9 maximum  at AC-9 maximum  at AC-9 maximum  at AC-1 maximum  Control circuit/ Control  Type of voltage of the control supply voltage  control supply voltage at AC  at 60 Hz rated value  at 60 Hz rated value  at 60 Hz rated value  at 60 Hz  a		
at AC at DC operating frequency at AC-1 maximum at AC-3e maximum 750 1/h at AC-4 maximum 130 1/h  Control circuit/ Control  Type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 110 127 V at 60 Hz at 60		JJ KVV
• at DC operating frequency • at AC-3 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-4 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 750 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 • at 60 Hz rated value 0 rated value 0 operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at	no-load switching frequency	
operating frequency  • at AC-1 maximum  • at AC-3 maximum  750 1/h  • at AC-4 maximum  130 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  110 127 V  control supply voltage at DC  • rated value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz	• at AC	2 000 1/h
at AC-3 maximum at AC-3 maximum at AC-3 maximum but AC-3 maximum at AC-3 maximum at AC-3 maximum but AC-4 m	at DC	2 000 1/h
at AC-3 maximum at AC-3 maximum at AC-3 maximum bat AC-3 maximum at AC-3 maximum at AC-4 maximum bat AC-6 wat AC-4 maximum bat Bat AC-6 wat Bat Bat AC bat B	operating frequency	
at AC-3 maximum at AC-4 maximum 750 1/h at AC-4 maximum 130 1/h  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 110 127 V control supply voltage at DC rated value 110 127 V  or at 50 Hz at 50 Hz at 60 Hz at		800 1/h
at AC-3e maximum at AC-4 maximum 130 1/h  Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC  at 50 Hz rated value 2		
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  trade value  at 50 Hz rated value  at 50 Hz  at 50 Hz  at 60 Hz  at 50 Hz  at 60 Hz  at 50 Hz  at 60 Hz		
Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC  at 50 Hz rated value toperating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz before find the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz at 60 Hz before find the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz before find the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz before find the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz before find the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz before find the surge suppressor apparent holding power of the coil before find the surge suppressor at 60 Hz before find the surge suppressor apparent holding power of magnet coil at AC  at 50 Hz before find the surge suppressor at 60 Hz before find the surge sur		
type of voltage of the control supply voltage control supply voltage at AC  • at 50 Hz rated value control supply voltage at DC • rated 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  o at 50 Hz • at 60 Hz  inductive power factor with closing 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 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 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 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power of magnet coil at DC  inductive power of magnet coil at DC  holding power of magnet coil at DC  number of NC contacts for auxiliary contacts  instantaneous contact  number of NO contacts for auxiliary contacts  instantaneous contact		
control supply voltage at AC  at 50 Hz rated value  tontrol supply voltage at DC  rated value  r	• at AC-4 maximum	130 1/n
control supply voltage at AC  at 50 Hz rated value  tontrol supply voltage at DC  rated value  r		130 1/h
at 50 Hz rated value at 60 Hz rated value control supply voltage at DC arated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz apparent holding power of magnet coil at AC at 60 Hz apparent holding power of magnet coil at AC at 60 Hz apparent holding power of magnet coil at AC at 60 Hz apparent holding power of magnet coil at AC at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz by According to the coil at 60 Hz at 60 Hz by According to the coil at 60 Hz by According to the c	Control circuit/ Control	
at 60 Hz rated value control supply voltage at DC arated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz business of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz business of the coil at 50 Hz business of the coil at 60 Hz business of the coil	Control circuit/ Control type of voltage of the control supply voltage	
control supply voltage at DC  • rated value  • rated 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 60 Hz  • at 60 Hz  inductive power factor with closing power of the coil  • 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  inductive power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive 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 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 Hz  inductive power factor with the holding power of the coil  • 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  inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  •	Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	AC/DC
• rated 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  inductive 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  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 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	Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	AC/DC
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  • 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 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 Hz  inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz  inductive power of magnet coil at DC  • at 60 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  5.2 W  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts 2	Control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC  • at 50 Hz rated value	AC/DC 110 127 V
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  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  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 Hz  inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz  inductive power of magnet coil at DC  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive power factor with the holding power of the coil  inductive pow	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	AC/DC 110 127 V
value of magnet coil at AC  at 50 Hz  at 60 Hz  beign of the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz  beign of the coil  at 50 Hz  at 50 Hz  beign of the coil  at 50 Hz  beign of the surge suppressor with varistor apparent pick-up power of magnet coil at AC  at 50 Hz  beign of the surge suppressor with varistor and variety oval and variety oval and variety oval and variety oval apparent holding power of magnet coil at AC  at 50 Hz  at 50 Hz  beign of the surge suppressor with varistor and variety oval and variety oval and variety oval apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  beign of the surge suppressor with varistor and variety oval and variety oval and variety oval apparent holding power of magnet coil at AC  at 50 Hz  at 50 Hz  beign of the surge suppressor with varistor and variety oval and varie	type of voltage of the control supply voltage control supply voltage at AC	AC/DC 110 127 V 110 127 V
at 50 Hz at 60 Hz buildray apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz buildray apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz buildray at 50 Hz buildray at 60 Hz buildray at 50 Hz buildray buil	type of voltage of the control supply voltage control supply voltage at AC	AC/DC 110 127 V 110 127 V
at 60 Hz 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 50 Hz at 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 binductive power factor with the holding power of the coil at 50 Hz at 60 Hz binductive power factor with the holding power of the coil at 50 Hz at 50 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power of magnet coil at DC binding power of magnet coil at DC bi	type of voltage of the control supply voltage control supply voltage at AC	AC/DC 110 127 V 110 127 V
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 50 Hz • at 50 Hz • at 60 Hz  • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts 2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC 110 127 V 110 127 V 110 127 V
apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with closing power of the coil  • at 50 Hz  • at 60 Hz  • at 60 Hz  • 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  inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  • at 60 Hz  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts 2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V
at 50 Hz at 60 Hz at 60 Hz at 50 Hz at 50 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 50 Hz at 60 Hz at 60 Hz at 60 Hz build at 60 Hz at 60 Hz at 60 Hz build at 60 Hz at 60 Hz at 60 Hz build at 60 Hz build at 60 Hz at 60 Hz build at 60 Hz bui	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  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  out 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  but 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  solution to the coil at DC  holding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  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  closing power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  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  closing power of magnet coil at DC holding power of magnet coil at DC holding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  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 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>at 60 Hz</li> <li>bat 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>5.2 W</li> </ul> Auxiliary circuit <ul> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>2</li> </ul>	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1 with varistor  300 VA
apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  at 60 Hz  at 60 Hz  at 60 Hz  bar at 60 Hz  coil  at 50 Hz  at 60 Hz  bar at 60 Hz  at 60 Hz  coil  at 60 Hz  bar at 60 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  holding power of magnet coil at DC  solution  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1 with varistor  300 VA
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 • at 60 Hz  Closing power of magnet coil at DC holding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1  with varistor  300 VA 300 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 50 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>holding power of magnet coil at DC</li> <li>5.2 W</li> </ul> Auxiliary circuit <ul> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>2</li> </ul>	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1  with varistor  300 VA  300 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>oat 60 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>15.8 VA</li> </ul> Auxiliary contacts for auxiliary contacts <ul> <li>instantaneous contact</li> <li>number of NC contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>2</li> </ul>	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1  with varistor  300 VA  300 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>0.8</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>15.8 VA</li> </ul> Auxiliary coronacts for auxiliary contacts instantaneous contact <ul> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>2</li> </ul>	type of voltage of the control supply voltage control supply voltage at AC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1  with varistor  300 VA  300 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 holding power of magnet coil at DC  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  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 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 inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1  0.8 1.1  with varistor  300 VA  300 VA  0.9  0.9
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  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  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 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 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	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>0.8</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>5.2 W</li> </ul> Auxiliary circuit <ul> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts</li> <li>2</li> </ul>	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 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	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA
● at 60 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  5.2 W  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  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 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 inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz apparent holding power of magnet coil at AC at 50 Hz 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 inductive power factor with the holding power of the	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA
closing power of magnet coil at DC holding power of magnet coil at DC 5.2 W  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts 2	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA  0.9 0.9  5.8 VA 5.8 VA
holding power of magnet coil at DC  5.2 W  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9  5.8 VA 5.8 VA
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA 5.8 VA  0.8 0.8
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA 5.8 VA  0.8 0.8
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts  2	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 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 with the holding power of the coil • at 50 Hz • at 60 Hz	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA 5.8 VA  0.8 0.8 360 W
instantaneous contact number of NO contacts for auxiliary contacts 2	type of voltage of the control supply voltage control supply voltage at AC  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 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  inductive power factor with closing power of the coil  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  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 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA 5.8 VA  0.8 0.8 360 W
number of NO contacts for auxiliary contacts 2	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz coil • at 50 Hz • at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA  0.9 0.9  5.8 VA 5.8 VA  0.8 0.8 360 W 5.2 W
	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz 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	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA  0.9 0.9  5.8 VA 5.8 VA  0.8 0.8 360 W 5.2 W
instantaneous contact	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with closing 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 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	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA 5.8 VA  0.8 0.8 360 W 5.2 W
	type of voltage of the control supply voltage control supply voltage at AC  • 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 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 inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz inductive power factor with closing 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 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz inductive power of magnet coil at DC holding power of magnet coil at DC	AC/DC  110 127 V  110 127 V  110 127 V  0.8 1.1 0.8 1.1 with varistor  300 VA 300 VA 0.9 0.9 5.8 VA 5.8 VA  0.8 0.8 360 W 5.2 W

operational current at AC-12 maximum	10 A
operational current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	6 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 220 V rated value</li> </ul>	0.3 A
UL/CSA ratings	
yielded mechanical performance [hp] for 3-phase AC motor at 460/480 V rated value	125 hp
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	fuse gL/gG: 355 A
<ul> <li>— with type of assignment 2 required</li> </ul>	fuse gL/gG: 315 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A
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
<ul> <li>side-by-side mounting</li> </ul>	Yes
height	172 mm
width	120 mm
depth	170 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
type of connectable conductor cross-sections	
<ul> <li>at AWG cables for main contacts</li> </ul>	4 250 kcmil
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12
Safety related data	
product function mirror contact according to IEC 60947-4-1	Yes
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals	
General Product Approval	EMC



Confirmation









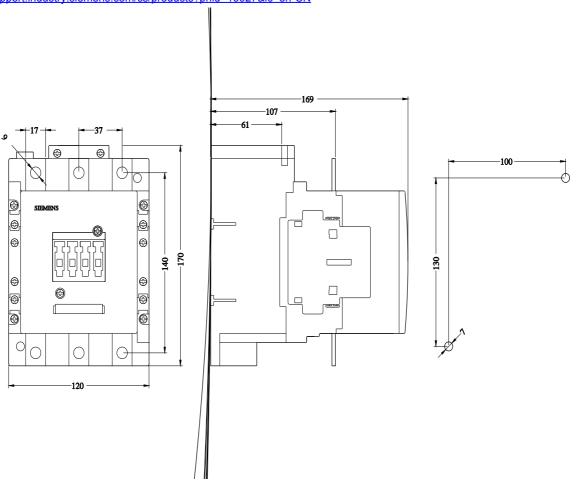
Declaration of Conformity

other



Confirmation

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN">https://support.industry.siemens.com/cs/products?pnid=16027&lc=en-CN</a>



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