# **SIEMENS**

Data sheet 3RT1065-6AF36



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 110-127 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
at AC in hot operating state	54 W
at AC in hot operating state per pole	18 W
without load current share typical	7.4 W
insulation voltage	
• of main circuit with degree of pollution 3 rated value	1 000 V
• of auxiliary circuit with degree of pollution 3 rated value	500 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Blei - 7439-92-1
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	
ain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
at AC-3  — at 400 V rated value	265 A
	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-3e	005.4
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
• at AC-4 at 400 V rated value	230 A
at AC-5a up to 690 V rated value	290 A
at AC-5b up to 400 V rated value	219 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	265 A
— up to 400 V for current peak value n=20 rated value	265 A
— up to 500 V for current peak value n=20 rated value	265 A
— up to 690 V for current peak value n=20 rated value	265 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	95 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	184 A
— up to 400 V for current peak value n=30 rated value	184 A
— up to 500 V for current peak value n=30 rated value	184 A
— up to 690 V for current peak value n=30 rated value	184 A
— up to 1000 V for current peak value n=30 rated	95 A
value value ninimum cross-section in main circuit at maximum AC-1 rated	185 mm²
value operational current for approx. 200000 operating cycles at	
AC-4	
at 400 V rated value	117 A
at 690 V rated value	105 A
pperational current	
• at 1 current path at DC-1	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	300 A
— at 60 V rated value	300 A

— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
at 1 current path at DC-3 at DC-5	000 4
— at 24 V rated value	300 A
— at 60 V rated value	11 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
with 2 current paths in series at DC-3 at DC-5	200 A
— at 24 V rated value	300 A
— at 60 V rated value — at 110 V rated value	300 A 300 A
— at 110 V rated value  — at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
with 3 current paths in series at DC-3 at DC-5	U.SI A
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	66 kW
• at 690 V rated value	102 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	100 000 kVA
up to 400 V for current peak value n=20 rated value	180 000 VA
up to 500 V for current peak value n=20 rated value	220 000 VA
• up to 690 V for current peak value n=20 rated value	310 000 VA
up to 1000 V for current peak value n=20 rated value	160 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	70 000 VA
• up to 400 V for current peak value n=30 rated value	120 000 VA
• up to 500 V for current peak value n=30 rated value	150 000 VA
• up to 690 V for current peak value n=30 rated value	220 000 VA
• up to 1000 V for current peak value n=30 rated value	160 000 VA

short-time withstand current in cold operating state up to 40 °C   ilimited to 1 s switching at zero current maximum  ilimited to 5 s switching at zero current maximum  ilimited to 30 s switching at zero current maximum  ilimited to 30 s switching at zero current maximum  ilimited to 30 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 s switching at zero current maximum  ilimited to 60 switching frequency  ilimited to 60 switching frequency  ilimited to 60 switching at zero current maximum  ilimited to 60 switching at zero cu
Ilimited to 1 s switching at zero current maximum   4 880 A; Use minimum cross-section acc. to AC-1 rated value   1 limited to 5 s switching at zero current maximum   4 045 A; Use minimum cross-section acc. to AC-1 rated value   2 785 A; Use minimum cross-section acc. to AC-1 rated value   1 minted to 30 s switching at zero current maximum   1 664 A; Use minimum cross-section acc. to AC-1 rated value   1 minted to 60 s switching at zero current maximum   1 276 A; Use minimum cross-section acc. to AC-1 rated value   1 minted to 60 s switching at zero current maximum   1 276 A; Use minimum cross-section acc. to AC-1 rated value   1 276 A; Use minimum cross-section acc. to AC-1 rated value   1 276 A; Use minimum cross-section acc. to AC-1 rated value   1 2 000 1/h   1 2 000 1
Illimited to 5 s switching at zero current maximum   Illimited to 10 s switching at zero current maximum   2 785 A; Use minimum cross-section acc. to AC-1 rated value   1 864 A; Use m
Imitited to 10 s switching at zero current maximum Imitited to 30 s switching at zero current maximum Imitited to 80 s switching at zero current maximum Inoload switching frequency Inoload switching frequency Intelligence Int
• limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum 176 A; Use minimum cross-section acc. to AC-1 rated value 176 A; Use minimum cross-section acc. to AC-1 rated value 176 A; Use minimum cross-section acc. to AC-1 rated value 176 A; Use minimum cross-section acc. to AC-1 rated value 176 A; Use minimum cross-section acc. to AC-1 rated value 176 A; Use minimum cross-section acc. to AC-1 rated value 177 A; Use minimum cross-section acc. to AC-1 rated value 178 A; Use minimum cross-section acc. to AC-1 rated value 179 A; Use minimum cross-section acc. to AC-1 rated value 179 A; Use minimum cross-section acc. to AC-1 rated value 179 A; Use minimum cross-section acc. to AC-1 rated value 180 AC
Imited to 60 s switching at zero current maximum   1276 A; Use minimum cross-section acc. to AC-1 rated value     Involved switching frequency
no-load switching frequency
at AC     at DC     at AC-3 maximum     at AC-2 maximum     at AC-3 maximum     at AC-4 maximum     at AC-4 maximum     at DC     at DC     at DC     at DE     at BC     at DE     at Minimum rated control supply voltage at AC     at DE     at DE     at DE     at DE     at Minimum rated control supply voltage at AC     at BO Hz     at maximum rated control supply voltage at AC     at SO Hz     at maximum rated control supply voltage at AC     at SO Hz     at maximum rated control supply voltage at AC     at SO Hz     at maximum rated control supply voltage at AC     at SO Hz     at maximum rated control supply voltage at AC     at SO Hz     at DE     at
e at DC  operating frequency  e at AC-1 maximum  b at AC-2 maximum  c at AC-3 maximum  e at AC-3 maximum  e at AC-3 maximum  e at AC-3 maximum  e at AC-3 maximum  ot AC-4 maximum  start AC-3 maximum  e at AC-3 maximum  start AC-3 maximum  foot 1/h  e at AC-3 maximum  at AC-4 maximum  start AC-8 maximum  start AC-9 maximum  start AC-9 maximum  start AC-1 maximum  control circuit/ Control  type of voltage of the control supply voltage  AC/DC  control supply voltage at AC  e at 50 Hz rated value  full 127 V  operating range factor control supply voltage rated value of magnet coil at DC  e initial value  full-scale value  0.8  - full-scale value  0.8  1.1  design of the surge suppressor  with varistor  apparent pick-up power  e at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz — at 50 Hz —
operating frequency
at AC-1 maximum     at AC-2 maximum     at AC-3 maximum     at AC-3 maximum     at AC-3 maximum     at AC-4 maximum     at BC-4 maximum     a
at AC-3 maximum at AC-3e maximum at AC-3e maximum at AC-4e maximum at AC-
at AC-3e maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum  type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at maximum rated control supply voltage at AC at 60 Hz at 500 Hz 590 VA  apparent pick-up power of magnet coil at AC at 500 Hz 590 VA
• 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  control supply voltage at DC  • rated value  • 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  • at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz rated value  110 127 V  at 60 Hz rated value  110 127 V  control supply voltage at DC  at 60 Hz rated value  110 127 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 AC  at 50 Hz  at 60 Hz  design of the surge suppressor  apparent pick-up power  at maximum rated control supply voltage at AC  at 60 Hz  at maximum rated control supply voltage at AC  at 50 Hz  spo VA
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  • at 60 Hz rated value  • at 60 Hz • full-scale value  • initial value • at 50 Hz • at 50 Hz • at 60 Hz • at 60 Hz • at maximum rated control supply voltage at AC  — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at 50 Hz • at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz • at maximum rated control supply voltage at AC — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC • at 50 Hz  590 VA
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  110 127 V  operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  0.8  • full-scale value  1.1  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  • at minimum rated control supply voltage at AC  — at 50 Hz  • at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  spo VA  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
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  110 127 V  operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  0.8  • full-scale value  1.1  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  • at minimum rated control supply voltage at AC  — at 50 Hz  • at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  spo VA  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
at 50 Hz rated value at 60 Hz rated value  110 127 V  control supply voltage at DC arated value  110 127 V  control supply voltage at DC arated value  110 127 V  control supply voltage at DC arated value  110 127 V  control supply voltage rated value of magnet coil at DC  initial value  initial value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  at 60 Hz  at minimum rated control supply voltage at AC  - at 50 Hz  at maximum rated control supply voltage at AC  - at 60 Hz  at maximum rated control supply voltage at AC  - at 50 Hz  strength power  apparent pick-up power of magnet coil at AC  apparent pick-up power of magnet coil at AC  at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  at 50 Hz  590 VA
at 60 Hz rated value  control supply voltage at DC  rated value  110 127 V  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  at maximum rated control supply voltage at AC  - at 50 Hz  at maximum rated control supply voltage at AC  - at 60 Hz  at 60 Hz  590 VA  apparent pick-up power of magnet coil at AC  - at 50 Hz  590 VA
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  • at minimum rated control supply voltage at AC  - at 50 Hz  • at maximum rated control supply voltage at AC  - at 60 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
rated value     operating range factor control supply voltage rated value of magnet coil at DC     • initial value     • full-scale value     one at 50 Hz     • at 60 Hz     — at 50 Hz     — at 60 Hz     — at 60 Hz     • at maximum rated control supply voltage at AC     — at 60 Hz     • at maximum rated control supply voltage at AC     — at 50 Hz     590 VA  apparent pick-up power of magnet coil at AC     • at 50 Hz  solve  590 VA  590 VA  590 VA  590 VA  590 VA
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  other initial value  other
magnet coil at DC  initial value  full-scale value  1.1  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  oat find Hz  at find Hz  at 60 Hz  at 60 Hz  at 60 Hz  at 60 Hz  by VA  at maximum rated control supply voltage at AC  at 60 Hz  at 60 Hz  at 60 Hz  by VA  at 60 Hz  at 60 Hz  by VA  at maximum rated control supply voltage at AC  at 60 Hz  at 60 Hz  by VA  apparent pick-up power of magnet coil at AC  at 50 Hz  syn VA  syn VA  apparent pick-up power of magnet coil at AC  at 50 Hz  syn VA  sy
• full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz • at 60 Hz  oat 60 Hz  design of the surge suppressor  apparent pick-up power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
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 • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  so ov A  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  • at 50 Hz
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>0.8 1.1</li> <li>design of the surge suppressor</li> <li>with varistor</li> </ul> apparent pick-up power <ul> <li>at minimum rated control supply voltage at AC</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>— at 50 Hz</li> </ul> 590 VA apparent pick-up power of magnet coil at AC <ul> <li>at 50 Hz</li> <li>590 VA</li> </ul> 590 VA
● at 60 Hz  design of the surge suppressor  apparent pick-up power  ● at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  ● at maximum rated control supply voltage at AC  — at 60 Hz  — at 60 Hz — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  ● at 50 Hz  ■ at 50 Hz  590 VA
design of the surge suppressor  apparent pick-up power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz — at 60 Hz — at 50 Hz  — at 50 Hz  spaparent pick-up power of magnet coil at AC  • at 50 Hz  • at 50 Hz  590 VA
apparent pick-up power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz — at 60 Hz — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at maximum rated control supply voltage at AC  — at 60 Hz — at 60 Hz — at 50 Hz  590 VA  apparent pick-up power of magnet coil at AC  at 50 Hz  590 VA
— at 50 Hz       490 VA         — at 60 Hz       490 VA         • at maximum rated control supply voltage at AC       590 VA         — at 60 Hz       590 VA         — at 50 Hz       590 VA         apparent pick-up power of magnet coil at AC       590 VA
— at 60 Hz  ■ at maximum rated control supply voltage at AC  — at 60 Hz  — at 60 Hz  — at 50 Hz  Sepondary  S
at maximum rated control supply voltage at AC  — at 60 Hz — at 50 Hz  sparent pick-up power of magnet coil at AC  at 50 Hz  sparent pick-up power of magnet coil at AC  at 50 Hz  sparent pick-up power of magnet coil at AC
— at 60 Hz 590 VA — at 50 Hz 590 VA  apparent pick-up power of magnet coil at AC
— at 50 Hz 590 VA  apparent pick-up power of magnet coil at AC  • at 50 Hz 590 VA
apparent pick-up power of magnet coil at AC  • at 50 Hz  590 VA
• at 50 Hz 590 VA
inductive power factor with closing power of the coil
• at 50 Hz 0.9
• at 60 Hz 0.9
apparent holding power
at minimum rated control supply voltage at DC     6.1 VA
• at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  7.4 VA
apparent holding power
at minimum rated control supply voltage at AC
— at 50 Hz 5.6 VA
— at 60 Hz 5.6 VA
• at maximum rated control supply voltage at AC
— at 50 Hz 6.7 VA
— at 60 Hz 6.7 VA
apparent holding power of magnet coil at AC
• at 50 Hz 6.7 VA
• at 60 Hz 6.7 VA
inductive power factor with the holding power of the coil
• at 50 Hz 0.9
• at 60 Hz 0.9
closing power of magnet coil at DC 650 W

	7.411
holding power of magnet coil at DC	7.4 W
closing delay	
• at AC	30 95 ms
• at DC	30 95 ms
opening delay	
• at AC	40 80 ms
• at DC	40 80 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
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	
at 24 V rated value     at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1A
at 600 V rated value	0.15 A
operational current at DC-13	U.IUA
at 24 V rated value	10 A
at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	240 A
at 600 V rated value	242 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
with type of coordination 1 required	gG: 500 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 mm

depth	202 mm			
required spacing				
with side-by-side mounting				
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
for grounded parts				
— 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			
Connections/ Terminals				
type of electrical connection				
for main current circuit	Connection bar			
for auxiliary and control circuit	screw-type terminals			
at contactor for auxiliary contacts	Screw-type terminals			
of magnet coil	Screw-type terminals			
width of connection bar	25 mm			
thickness of connection bar	6 mm			
diameter of holes	11 mm			
number of holes	1			
connectable conductor cross-section for main contacts				
• stranded	70 240 mm²			
connectable conductor cross-section for auxiliary contacts				
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²			
type of connectable conductor cross-sections				
<ul> <li>for auxiliary contacts</li> </ul>				
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)			
<ul> <li>solid or stranded</li> </ul>	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12			
AWG number as coded connectable conductor cross section				
for auxiliary contacts	18 14			
Safety related data				
product function				
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes			
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No			
suitability for use safety-related switching OFF	Yes			
B10 value with high demand rate according to SN 31920	1 000 000			
	20 a			
T1 value for proof test interval or service life according to IEC 61508				
	IP00; IP20 with box terminal/cover			
61508	IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover			
protection class IP on the front according to IEC 60529				

## General Product Approva



Confirmation





<u>KC</u>



EMC Functional Safety/Safety of Ma-Declaration of Conformity Test Certificates	
--	--



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

**Test Certificates** 

Marine / Shipping

Miscellaneous











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

## **Environment**

**Environmental Confirmations** 

## **Further information**

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

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

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

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

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1065-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AF36

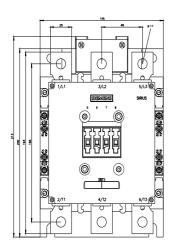
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

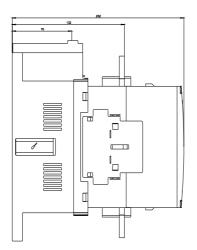
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1065-6AF36&lang=en

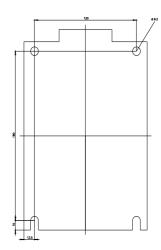
Characteristic: Tripping characteristics, I²t, Let-through current

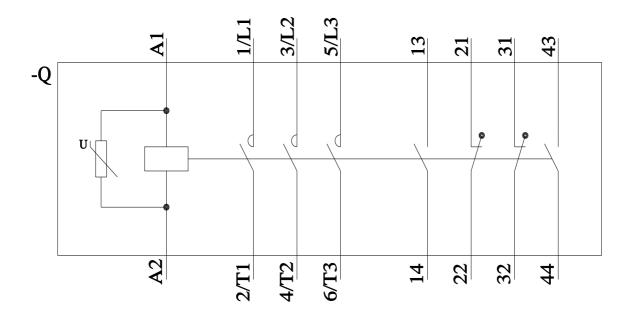
https://support.industry.siemens.com/cs/ww/en/ps/3RT10

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AF36&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-6AF36&objecttype=14&gridview=view1</a>



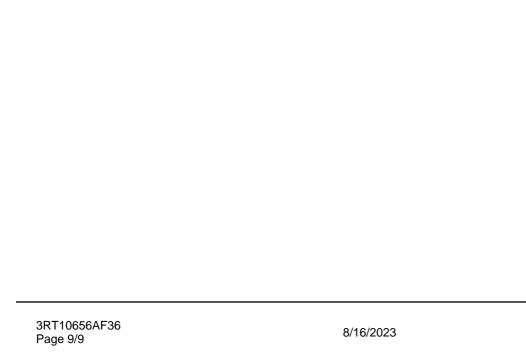






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