# **SIEMENS**

Data sheet 3RT2026-1AD04



power contactor, AC-3 25 A, 11 kW / 400 V 2 NO + 2 NC, 42 V AC, 50 Hz, 3-pole, Size S0 screw terminal Removable auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	No
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
<ul> <li>without load current share typical</li> </ul>	9.8 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
at AC-4 at 400 V rated value	15.5 A
at AC-5a up to 690 V rated value	35.2 A
at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	20.7 A
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
<ul> <li>at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	10 mm <sup>2</sup>
cycles at AC-4	
at 400 V rated value	9 A
• at 690 V rated value	9 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
	0.20 A
with 2 current paths in series at DC-1     at 24 V rated value.	25 A
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
at AC-2 at 400 V rated value	11 kW
• at AC-3	11 80
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 400 V rated value  — at 500 V rated value	11 kW
— at 690 V rated value	11 kW
at AC-3e	1 1 KVV
■ at AC-3e  — at 230 V rated value	5.5 kW
— at 230 V rated value  — at 400 V rated value	5.5 KW 11 kW
— at 400 V rated value  — at 500 V rated value	11 kW
— at 500 V rated value  — at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-4	TTKW
at 400 V rated value	4.4 kW
at 690 V rated value	7.7 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	8 kVA
• up to 400 V for current peak value n=20 rated value	13.9 kVA
• up to 500 V for current peak value n=20 rated value	17.4 kVA
• up to 690 V for current peak value n=20 rated value	15.4 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	5.3 kVA
• up to 400 V for current peak value n=30 rated value	9.3 kVA
• up to 500 V for current peak value n=30 rated value	11.6 kVA
• up to 690 V for current peak value n=30 rated value	15.5 kVA
short-time withstand current in cold operating state	
up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	375 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	299 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	128 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	106 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
ACTIO E INGAINMIN	. 00

* al AC-3 maximum 750 1/h   * al AC-3 maximum 250 1/h   * al AC-3 maximum 250 1/h   * al AC-4 maximum 250 1/h   * al AC-4 maximum 250 1/h   * al AC-4 maximum 250 1/h   * al 50 Hz rated value 42 V   * al 50 Hz rated value 42 V   * personal pick-typ power of magnet coil at AC 4   * al 50 Hz	1400	750.48
A AC-4 maximum   250 fth	• at AC-3 maximum	750 1/h
AC   AC   AC   AC   AC   AC   AC   AC		
ype of voltage of the control supply voltage  control supply voltage at AC  * at 50 Hz rated value  operating range factor control supply voltage rated value of magnet coil at AC  * at 50 Hz  apparent pick-up 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  apparent holding power of magnet coil at AC  * at 50 Hz  closing delay  * at AC  at AC  control version of the switch operating mechanism  Avuillary crient  runnber of INC contexts for auxiliary contacts  poerational current at AC-12 maximum  operational current at AC-13 maximum  operational current at AC-12 maximum  operational current at AC-13 maximum  operational current at AC-14 maximum  operational current at AC-15 maximum  operational current at AC-15 maximum  operational current at AC-18 maximum  operational current at AC-19 maximum  operational current at AC-19 maximum  operational current at AC-19 maximum  operational current at AC-10 maxim		25U 1/h
control supply voltage at AC  at 50 Nz rated value  perating range factor control supply voltage rated value of magnet coil at AC  at 50 Nz rated value  at 60 Nz rated value  a		
a 15 0 Hz rated value of magnet coil at AC value of magnet coil at AC a 50 Hz 0.8 1.1    apparent pick up power of magnet coil at AC a 50 Hz 77 VA    inductive power factor with closing power of the coil a 50 Hz 0.8 1.1    apparent holding power of magnet coil at AC a 150 Hz 0.8    closing delay a 1.8    a 16 AC a 1	7. 7	AC
operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  apparent pick-up power of magnet coil at AC at 50 Hz  Inductive power factor with closing power of the coil 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  closing delay at AC at 50 Hz  closing delay at AC arcing time at AC arcing time at AC arcing time control version of the switch operating mechanism control version of the switch operating mechanism substantianeous contact rumber of NC contacts for auxiliary contacts institutionaus contact rumber of NC contacts for auxiliary contacts institutionaus contact - poperational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 40 V rated value at 60 V rated value at 125 V rated value at 125 V rated value at 125 V rated value at 126 V rated value at 127 V rated value at 128 V rated value at 129 V rated value at 120	control supply voltage at AC	
value of magnet coil at AC		42 V
■ at 50 Hz  ■ at 50 Hz  ■ at 50 Hz  ■ at 50 Hz  Inductive power factor with closing power of the coll  ■ at 50 Hz  apparent holding power of magnet coll at AC  ■ at 50 Hz  apparent holding power of magnet coll at AC  ■ at 50 Hz  ■ at AC  Opening delay  ■ at AC  arcing time  ■ at AC  arcing time  ■ control version of the switch operating mechanism  Auxillary circuit  Instantaneous contact  Ins		
apparent pick-up power of magnet coil at AC   at 60 Hz   at 60 H	_	
Inductive power factor with closing power of the coil		0.8 1.1
Inductive power factor with closing power of the coil  • at 50 Hz  at 50 Hz  closing delay • at AC  at AC  at AC  control version of the switch operating mechanism  avring time  control version of the switch operating mechanism  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact instantaneous contact instantaneous contact operational current at AC-12 maximum  operational current at AC-12 maximum  operational current at AC-12 maximum  operational current at AC-18  • at 230 V rated value • at 690 V rated value • at 690 V rated value • at 680 V rated value • at 810 V rated value • at 820 V rated val		
■ at 50 Hz     ■ apparent holding power of magnet coil at AC     ■ at 50 Hz		77 VA
apparent holding power of magnet coil at AC  at 50 Hz  load to be power factor with the holding power of the coil  at 50 Hz  closing delay  at AC  at AC  oponing delay  at AC  to stand the control version of the switch operating mechanism  control version of the switch operating mechanism  Auxiliary direcuit  mumber of NC contacts for auxiliary contacts instantaneous contact instantaneous contact instantaneous contact contact for auxiliary contacts instantaneous contact contact for auxiliary contacts 2  at 230 V rated value  at 4300 V rated value  at 500 V rated value  at 4300 V rated value		
at 50 Hz		0.82
Inductive power factor with the holding power of the coll     • at 50 Hz   0.25     • at AC		
e at 50 Hz  closing delay		9.8 VA
e at 50 Hz closing delay e at AC septing delay e at 50 Mz rated value e at 40 Wz rated value e at 60 Wz rate		
e at AC		0.25
● at AC opening delay ● at AC arcing time control version of the switch operating mechanism Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A  operational current at AC-15 ■ at 230 V rated value ■ at 500 V rated value ■ at 600 V rated value ■ at 600 V rated value ■ at 60 V rated value ■ at 60 V rated value ■ at 110 V rated value ■ at 1220 V rated value ■ at 100 V rated value ■ at 220 V rated value ■ at 60 V r		0.25
opening delay		9 40 mg
arcing time		8 40 MS
arcing time		4 40
control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 3A • at 25 V rated value • at 60 V rated value • at 60 V rated value • at 25 V rated value • at 20 V rated value • at 60 V rated value • at 10 V rated value • at 110 V rated value		
Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 24 V rated value • at 27 V rated value • at 28 V rated value • at 28 V rated value • at 29 V rated value • at 110 V rated value • at 24 V rated value • at 30 V rated value • at 48 V rated value • at 48 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 10 V rated value • at 220 V rated value • at 30 V rated value • at 48 V rated value • at 48 V rated value • at 220 V rated value • at 30 V rated value • at 48 V rated value • at 600 V rated value • at		
number of NC contacts for auxiliary contacts instantaneous contact   2		Standard A1 - A2
instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  10 A  operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 126 V rated value • at 110 V rated value • at 600 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 120 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 600 V rated value		
instantaneous contact operational current at AC-12 maximum operational current at AC-15		
operational current at AC-15		2
	operational current at AC-12 maximum	10 A
	operational current at AC-15	
	<ul> <li>at 230 V rated value</li> </ul>	6 A
• at 690 V rated value	<ul> <li>at 400 V rated value</li> </ul>	3 A
operational current at DC-12  • at 24 V rated value • at 48 V rated value • at 80 V rated value • at 6A • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 110 V rated value • at 120 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 20 V rated value • at 20 V rated value • at 600 V rated value • at 480 V rated value • 21 A • at 600 V rated value • 21 A • at 600 V rated value • at 600 V rated value • at 600 V rated value • 21 A • at 600 V rated value • at 600 V rated value • 21 A • at 600 V rated value • 22 A	• at 500 V rated value	2 A
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 70 A</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 70 A</li>     &lt;</ul>	• at 690 V rated value	1 A
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 20 V rated value</li> <li>at 600 V rated value</li> <li>at 7 A</li> </ul>	operational current at DC-12	
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 8 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>1 A</li> <li>contact reliability of auxiliary contacts</li> <li>at 1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul>	at 24 V rated value	10 A
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 80 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 115 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 70 Final Pass AC motor</li> <li>at 110/120 V rated value</li> <li>at 110/120 V rated value</li> <li>at 110/120 V rated value</li> </ul>	• at 48 V rated value	6 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>1 A</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 80 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 100/120 V rated value</li> <li>at 110/120 V rated value</li> <li>at 110/120 V rated value</li> </ul>	• at 60 V rated value	6 A
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 110/120 V rated value</li> <li>2 hp</li> </ul>	• at 110 V rated value	3 A
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 110/120 V rated value</li> <li>2 hp</li> </ul>		2 A
• at 600 V rated value  operational current at DC-13  • at 24 V rated value  • at 48 V rated value  • at 60 V rated value  • at 110 V rated value  • at 110 V rated value  • at 125 V rated value  • at 220 V rated value  • at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  21 A  • at 600 V rated value  22 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  2 hp		
operational current at DC-13  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value  Contact reliability of auxiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 10/120 V rated value • for single-phase AC motor — at 110/120 V rated value  2 hp	• at 600 V rated value	
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> ULI/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 110/120 V rated value</li> <li>at 10/120 V rated value</li> </ul>		
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>22 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>2 hp</li> </ul>	•	6 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 110/120 V rated value</li> <li>2 hp</li> </ul>		
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at at 250 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 10/120 V rated value</li> <li>2 hp</li> </ul>		
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>21 A</li> <li>at 600 V rated value</li> <li>22 A</li> </ul> </li> <li>yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>2 hp</li> </ul> </li> </ul>		
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> </ul> </li> <li>2 hp</li> </ul>		
● at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  21 A  • at 600 V rated value  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  2 hp		
contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  21 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  2 hp		
### Comparison of Comparison o		
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  22 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  2 hp		Tradity switching per 100 fillilloff (17 V, 1 film)
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>22 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>21 A</li> <li>22 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>2 hp</li> </ul>		
● at 600 V rated value  yielded mechanical performance [hp]  ● for single-phase AC motor  — at 110/120 V rated value  22 A  2 bp		04.4
yielded mechanical performance [hp]  ● for single-phase AC motor  — at 110/120 V rated value 2 hp		
<ul> <li>for single-phase AC motor</li> <li>— at 110/120 V rated value</li> <li>2 hp</li> </ul>		22 A
— at 110/120 V rated value 2 hp		
· ·		
— at 230 V rated value 3 hp		
<u> </u>	— at 230 V rated value	3 hp

<ul> <li>for 3-phase AC motor</li> </ul>	
<ul> <li>— at 200/208 V rated value</li> </ul>	5 hp
<ul> <li>at 220/230 V rated value</li> </ul>	7.5 hp
<ul> <li>at 460/480 V rated value</li> </ul>	15 hp
— at 575/600 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
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>	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415
with type of assignment 2 required	V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V,
for short-circuit protection of the auxiliary switch	80kA) gG: 10 A (500 V, 1 kA)
required	ge. 10 / (000 v, 1 lvv)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
	forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
side-by-side mounting	Yes
height	85 mm
width	45 mm
depth	141 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
<ul> <li>for live parts</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
• of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	,
• for main contacts	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
at AWG cables for main contacts	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
• stranded	1 10 mm²
finely stranded with core end processing	1 10 mm²
connectable conductor cross-section for auxiliary	1 10 IIIIII
contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
,	

#### type of connectable conductor cross-sections

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

#### AWG number as coded connectable conductor cross section

· for main contacts

 for auxiliary contacts 20 ... 14

## Safety related data

product function	
<ul> <li>mirror contact according to IEC 60947-4</li> </ul>	-1

• positively driven operation according to IEC 60947-5-1

B10 value with high demand rate according to SN 31920

proportion of dangerous failures • with low demand rate according to SN 31920

• with high demand rate according to SN 31920

failure rate [FIT] with low demand rate according to SN 31920

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

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

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

16 ... 8

# 450 000

Yes

No

40 %

73 % 100 FIT

20 y

IP20

finger-safe, for vertical contact from the front

Yes

#### Certificates/ approvals

#### **General Product Approval**





Confirmation



KC



**EMC** 

**Functional** Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



**Type Examination** Certificate





Type Test Certificates/Test Report

**Special Test Certific**ate

### Marine / Shipping













#### other

Confirmation



Confirmation

#### Further information

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=3RT2026-1AD04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AD04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AD04

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

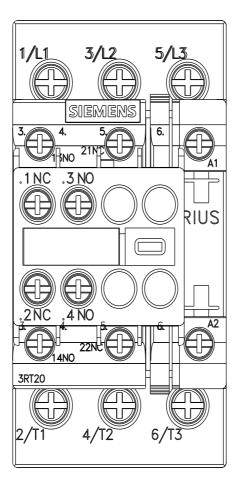
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AD04&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AD04/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AD04&objecttype=14&gridview=view1



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