# **SIEMENS**

Data sheet 3RT2026-1AU00



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 240 V AC, 50 Hz, 3-pole, Size S0 screw terminal

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	Yes
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
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	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
• at 1 current path at DC-3 at DC-5	
— 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
with 2 current paths in series at DC-3 at DC-5	
— 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	0.10 A
— at 24 V rated value	35 A
— at 24 v rated value  — 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	44 138/
at AC-2 at 400 V rated value	11 kW
• at AC-3	5 5 1 W
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
• at AC-3e	551W
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	11 kW
— at 690 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-4	
<ul><li>at 400 V rated value</li></ul>	4.4 kW
at 690 V rated value	7.7 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	8 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	13.9 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	17.4 kVA
• up to 690 V for current peak value n=20 rated value	15.4 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	5.3 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	9.3 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	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
Iimited to 30 s switching at zero current maximum	128 A; Use minimum cross-section acc. to AC-1 rated value
Iimited 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
- acres = maximum	. •••

* at AC-3 maximum		750.48
### AAC-4 maximum  ### Control Supply Voltage at AC ### cat 50 Ftz Tated value  ### operating range factor control supply voltage rated ### at 50 Ftz ### at 60 Ftz ### at	• at AC-3 maximum	750 1/h
According   Acco		
Section   Sect		250 1/h
240 \		
a 15 0 Hz rated value of magnet coil at AC		AC
Operating range factor control supply voltage rated value of magnet coil at AC	control supply voltage at AC	
value of magnet coil at AC		240 V
apparent pick-up power of magnet coil at AC   of 16 hz   inductive power factor with closing power of the coil   of 16 hz   inductive power factor with the holding power of the coil   of 150 hz   sto 16 hz	_	
Inductive power factor with closing power of the coil		0.8 1.1
Inductive power factor with closing power of the coil   • if 50 Hz   9.8 VA		
aparent holding power of magnet coll at AC		77 VA
apparent holding power of magnet coil at AC  • at 50 Hz  linductive power factor with the holding power of the coil  • at 50 Hz  closing delay  • at AC  opening delay  • at AC  duriliary circuit  opening delay  opening delay  • at C  instantaneous contact  operational current at AC-42 maximum  operational current at AC-12 maximum  operational current at AC-15  • at 230 V rated value  • at 600 V rated value  • at 600 V rated value  • at 40 V rated value  • at 60 V		
ad 150 Hz		0.82
Inductive power factor with the holding power of the coil       at 50 Hz       of 1 AC       at 1 AC       of 2 AC       of 2 AC       of 3 AC       of 4 AC       of 5 AC       of 6 AC       of 7 AC       of 7 AC       of 7 AC       of 8		
oal 50 Hz  closing delay		9.8 VA
• at 50 Hz closing delay • at AC opening delay • at AC at AC soming delay • at AC • at AC  • at 20 V rated value • at 600 V rated value • at 22 V rated value • at 42 V rated value • at 45 V rated value • at 46 V rated value • at 47 V rated value • at 48 V rated value • at 500 V rated value • at 600 V		
e at AC		0.25
● at AC  opening delay ● at AC  arcing time  control version of the switch operating mechanism  Auxillary circuit  number of NC contacts for auxillary contacts instantaneous contact Inumber of NC contacts for auxillary contacts instantaneous contact  number of NC contacts for auxillary contacts instantaneous contact  number of NC contacts for auxillary contacts instantaneous contact  number of NC contacts for auxillary contacts instantaneous contact  number of NC contacts for auxillary contacts instantaneous contact  1  number of NC contacts for auxillary contacts instantaneous contact  1  number of NC contacts for auxillary contacts instantaneous contact  1  number of NC contacts for auxillary contacts  1  1  10 A  operational current at AC-12 maximum  10 A  10		0.20
opening delay		9 40 ms
• at AC         4 16 ms           arcing time         10 10 ms           control version of the switch operating mechanism         Standard A1 - A2           Auxiliary circuit         1           number of NC contacts for auxiliary contacts instantaneous contact         1           number of NO contacts for auxiliary contacts instantaneous contact         1           operational current at AC-12 maximum         10 A           operational current at AC-15         10 A           at 400 V rated value         3 A           at 4500 V rated value         2 A           at 500 V rated value         1 A           at 690 V rated value         6 A           at 48 V rated value         6 A           at 110 V rated value         3 A           at 125 V rated value         2 A           at 110 V rated value         3 A           at 125 V rated value         2 A           at 24 V rated value         2 A           at 25 V rated value         2 A           at 20 V rated value         1 A           at 220 V rated value         2 A           at 24 V rated value         2 A           at 25 V rated value         2 A           at 36 V rated value         2 A           at 48 V rat		O 40 IIIS
arcing time		4 16 mg
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 500 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 120 V rated value • at 120 V rated value • at 160 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 20 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 100 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 110 V rated value • at 125 V rated value • at 110 V rated value • at 24 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 215 V rated value • at 215 V rated value • at 220 V rated value • at 220 V rated value • at 30 V rated value • at 30 V rated value • at 30 V rated value • at 25 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 30 V rated value • at 48 V rated value • at 29 V rated value • at 29 V rated value • at 30 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 49 V rated value • at 40 V rated value • at 60 V rated value • at 10 V rated value • at 10 V rated value • at 10 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 48 V rated value • at 20 V rated value • at 20 V rated value • at 30 V rated value • at 48 V rated value • at 20 V rated value • at 20 V rated value • at 30 V rated value • at 60 V		
number of NC contacts for auxiliary contacts   1		Standard A1 - A2
Instantaneous contact		
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 600 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 6		1
Departional current at AC-15     at 230 V rated value		1
	operational current at AC-12 maximum	10 A
• at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value  • at 24 V rated value • at 48 V rated value • at 48 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 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 34 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 320 V rated value • at 348 V rated value • at 480 V rated value • at 600 V rated value	operational current at AC-15	
• at 500 V rated value • at 690 V rated value 1 A  operational current at DC-12  • at 24 V rated value 1 0 A • at 48 V rated value 6 A • at 60 V rated value 8 at 110 V rated value 9 at 220 V rated value 1 1 A  operational current at DC-13 • at 220 V rated value 1 1 A • at 600 V rated value 1 1 A • at 600 V rated value 1 1 A • at 600 V rated value 2 A  operational current at DC-13 • at 24 V rated value 2 A • at 32 V rated value 1 A • at 48 V rated value 2 A • at 60 V rated value 1 A • at 60 V rated value 1 A • at 125 V rated value 1 A • at 125 V rated value 1 A • at 125 V rated value 1 A • at 220 V rated value 1 A • at 48 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 80 V rated value 2 A • at 600 V rated value 2 A	<ul> <li>at 230 V rated value</li> </ul>	10 A
• at 690 V rated value  operational current at DC-12  • 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 220 V rated value  • at 600 V rated value  • at 48 V rated value  • at 48 V rated value  • at 48 V rated value  • at 110 V rated value  • at 110 V rated value  • at 110 V rated value  • at 600 V rated value  • at 220 V rated value  • at 600 V rated value  • at 100 V rated value  • at 110 V rated value  • at 110 V rated value  • at 220 V rated value  • at 480 V rated value  • at 600 V rated value	<ul> <li>at 400 V rated value</li> </ul>	3 A
Operational current at DC-12	• 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 1125 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 24 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 A</li> <li>at 48 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 20 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 34 A</li> <li>at 600 V rated value</li> <li>at 70 A</li> <li>at 100 V rated value</li> <li>at 200 V</li></ul>	<ul> <li>at 690 V rated value</li> </ul>	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 10 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 7 A</li> </ul>	operational current at DC-12	
• at 60 V rated value	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>onerational 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 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 480 V rated value</li> <li>at 600 V rated value</li> <li>at 70 J manual rate of 100 million (17 V, 1 mA)</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>at 600 V rated value</li> <li>0.15 A</li> </ul> Operational current at DC-13 <ul> <li>at 24 V rated value</li> <li>at 8 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 30 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 7 A</li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 7 A</li> <li>at 7 A</li> <li>at 10 V rated value</li> <li></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         <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 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 10/120 V rated value</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 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         <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 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 10/120 V rated value</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 125 V rated value	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 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  • at 600 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		
operational current at DC-13	• 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 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 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 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>1 A</li> <li>at 600 V rated value</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 7 A</li> <li>at 7</li></ul>	•	10 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 600 V rated value</li> <li>at 600 V rated value</li> <li>at aulty switching per 100 million (17 V, 1 mA)</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> 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>		
<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 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> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>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>		
<ul> <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>21 A</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li></ul></li></ul>		
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> </ul>		
<ul> <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> <li>2 hp</li> </ul>		04.4
yielded mechanical performance [hp]  ● for single-phase AC motor  — at 110/120 V rated value 2 hp		
for single-phase AC motor     — at 110/120 V rated value     2 hp		22 A
— at 110/120 V rated value 2 hp		
· ·		
— at 230 V rated value 3 hp		
	— at 230 V rated value	3 hp

• for 3-phase AC motor	
— at 200/208 V rated value	5 hp
— at 220/230 V rated value	7.5 hp
— at 460/480 V rated value	15 hp
— at 575/600 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / P600
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 V, 80 kA)
— with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
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	97 mm
required spacing	
with side-by-side mounting	
— 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
for live parts	
— 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)
<ul> <li>finely stranded with core end processing</li> </ul>	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 contacts	
solid or stranded	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm²
→ milety stranded with core end processing	0.0 2.0 IIIIII

#### 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

• for auxiliary contacts

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

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

# section

for main contacts

20 ... 14

	Safety related data		
product function			
	<ul> <li>mirror contact</li> </ul>		

16 ... 8

product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
B10 value with high demand rate according to SN 31920	450 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
suitability for use	
<ul> <li>safety-related switching OFF</li> </ul>	Yes

#### Certificates/ approvals

#### **General Product Approval**





Confirmation



<u>KC</u>



**EMC** 

**Functional** Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



**Type Examination Certificate** 





Type Test Certificates/Test Report

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

### Marine / Shipping













#### other

Confirmation



Confirmation

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=3RT2026-1AU00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AU00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AU00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AU00&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AU00&lang=en</a>

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AU00/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AU00&objecttype=14&gridview=view1

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