SIEMENS

Data sheet

3RT2026-1AV00

CONTACTOR, AC-3, 11KW/400V, 1NO+1NC, AC 400V 50HZ, 3-POLE, SZ S0 SCREW TERMINAL



product brand name	SIRIUS		
Product designation	3RT2 contactor		
General technical data:			
Size of contactor	SO		
Product extension			
 function module for communication 	No		
 Auxiliary switch 	Yes		
Insulation voltage			
 rated value 	690 V		
Degree of pollution	3		
Surge voltage resistance rated value	6 kV		
maximum permissible voltage for safe isolation			
 between coil and main contacts acc. to EN 	400 V		
60947-1			
Protection class IP			
• on the front	IP20		
 of the terminal 	IP20		
Shock resistance			
• at rectangular impulse			

— at AC	8,3g / 5 ms, 5,3g / 10 ms
• with sine pulse	
— at AC	13,5g / 5 ms, 8,3g / 10 ms
Mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronics- compatible auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch 	10 000 000
block typical	
Ambient conditions:	
Installation altitude at height above sea level	2 000 m
maximum	
Ambient temperature	
 during operation 	-25 +60 °C
• during storage	-55 +80 °C
Main circuit:	
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating voltage	
 at AC-3 rated value maximum 	690 V
Operating 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 °C rated value	40 A
— at ambient temperature 60 °C rated value	35 A
• at AC-2 at 400 V rated value	25 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
Connectable conductor cross-section in main circuit at AC-1	
• at 60 °C minimum permissible	10 mm ²
• at 40 °C minimum permissible	10 mm ²
Operating current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	9 A
at 690 V rated value	9 A
Operating 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	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— 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
 with 3 current paths in series at DC-1 	
— 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
Operating current	
 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 110 V rated value	15 A
— at 220 V rated value	3 A
— at 24 V rated value	35 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 110 V rated value	35 A
— at 220 V rated value	10 A
— at 24 V rated value	35 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
Operating power	
● at AC-1	
— at 230 V rated value	13.3 kW
— at 230 V at 60 °C rated value	13.3 kW
— at 400 V rated value	23 kW
— at 400 V at 60 °C rated value	23 kW

Labor V at 60 °C rated value40 kW• at AC-2 at 400 V rated value11 kW• at AC-3 at 230 V rated value11 kW at 300 V rated value11 kW at 630 V rated value200 APower loss (M) at AC-3 at 400 V for rated value of the operating current inited to 10 s200 APower loss (M) at AC-3 at 600 V for rated value of the operating current per conductor600 1/hNo-load switching frequency • at AC-1 maximum5000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at S0 Hz cast 400 kg00 V• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1• at 50 Hz0.82• at 50 Hz0.88 VA• at 50 Hz0.25• at 50 Hz0.25• at 50 Hz0.25• at 50 Hz0.25• at 60 Hz		
Induction of a provided value11 kW• at AC-3 at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 600 V rated value11 kW- at 600 V rated value11 kWOperating power for approx. 20000 operating cycles200 A* at 400 V rated value7.7 kWThemal short-time current limited to 10 s200 APower loss (W) at AC-3 at 400 V for rated value of the operating recorductor1.6 WNoload switching frequency1.6 W• at AC5000 1/hOperating frequency000 1/h• at AC-4 maximum750 1/h• at AC-4 maximum750 1/h• at AC-4 maximum250 1/hControl supply voltage at ACACControl supply voltage at AC0.8 1.1Apparent pick-up power for magnet coll at AC9.8 V/AInductive power factor with closing power of the coll0.8 1.1Apparent pick-up power for magnet coll at AC0.8	— at 690 V rated value	40 kW
eit AC-3- at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 690 V rated value200 APower loss [W] at AC-3 at 400 V for rated value of the operating power for approx. 20000 operating value of the operating current per conductor16 WNo-load switching frequency1000 1/h- at AC-25 000 1/h• at AC-2 maximum750 1/h- at AC-2 maximum750 1/h- at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at SO Hz00 VOperating power of approx on apply voltage rated value00 VOperating range factor control supply voltage rated value0.8 1.1Apparent plok-up power of magnet coil at AC • at 50 Hz0.8 1.1Apparent plok-up power of magnet coil at AC • at 50 Hz0.8 1.1Apparent plok-up power of magnet coil at AC • at 50 Hz0.8 1.1Apparent holding power of the coll • at 50 Hz0.8 1.1Apparent plok-up power factor with the holding power of the coll • at 50 Hz0.8 1.1Apparent holding power of magnet coil at AC • at 50 Hz0.8 1.1Apparent holding power of the coll • at 50 Hz0.8 1.1Apparent holding power of the coll • at 50 Hz0.25Cioling delay • at AC0.25 <th>— at 690 V at 60 °C rated value</th> <th>40 kW</th>	— at 690 V at 60 °C rated value	40 kW
- at 230 V rated value55 kW- at 400 V rated value11 kW- at 630 V rated value11 kWOperating power for approx. 20000 operating cycles4.4 kW- at 400 V rated value4.4 kW- at 630 V rated value4.4 kW- at 630 V rated value5.000 APower loss (M) at AC-3 at 400 V for rated value of the operating current per conductor6.000 APower loss (M) at AC-3 at 400 V for rated value of the operating current per conductor6.000 1/hNo-load switching frequency • at AC-1 maximum1.000 1/h- at AC-2 maximum1.000 1/h- at AC-3 maximum750 1/h- at AC-3 maximum750 1/h- at AC-4 maximum250 1/h- at AC-4 maximum00 V- otror lorul/ ControlACControl supply voltage at AC • at S0 Hz0.8 1.1- at 50 Hz0.8 1.1- at 50 Hz0.88 1.1- at 50 Hz0.88 1.1- at 50 Hz0.82- at 50 Hz0.80 V-A- at 50 Hz0.80 V-A- at 50 Hz0.80 V-A- at 50 Hz0.81 V-A- at 50 Hz0.82- at 50 Hz0.81 V-A- at 50 Hz0.82- at 50 Hz0.82- at 50 Hz0.82- at 50 Hz0.25- at 50 Hz0.25	 at AC-2 at 400 V rated value 	11 kW
Control structure11 kW at 400 V rated value11 kW at 690 V rated value11 kWOperating power for approx. 20000 operating cycles at AC-414 kW at 690 V rated value4.4 kW at 690 V rated value4.4 kW at 690 V rated value4.4 kW at 690 V rated value7.7 kWThermal short-time current limited to 10 s200 APower loss [M] at AC-3 at 400 V for rated value of the operating current per conductor16 WNo-load switching frequency - at AC5 000 1/h- at AC-1 maximum1000 1/h- at AC-3 maximum750 1/h- at AC-3 maximum750 1/h- at AC-4 maximum250 1/h- at AC-4 maximum250 1/h- at AC-4 maximum250 1/h- at AC-4 maximum250 1/h- at 50 Hz0.8 1.1Appearent pick-up power of magnet coil at AC - at 50 Hz0.8 1.1Appearent pick-up power of magnet coil at AC - at 50 Hz0.82- at 50 Hz0.25- Closing delay - at AC <t< th=""><th>• at AC-3</th><th></th></t<>	• at AC-3	
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Control sources Control sources e at AC-4 4.4 kW • at 400 V rated value 7.7 kW Thermal short-line current limited to 10 s 200 A Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor 1.6 W No-load switching frequency 1.6 W • at AC 5 000 1/h Operating frequency 5 000 1/h • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 400 V • at AC-4 maximum 400 V • at AC-4 maximum 400 V • at SO Hz rated value 400 V Operating range factor control supply voltage rated value of magnet coil at AC 8	— at 400 V rated value	11 kW
at AC-44.4 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWThermal short-time current limited to 10 so20.0 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor1.6 WNo-load switching frequency • at AC-1 maximum5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum400 V• at AC-4 maximum400 V• at AC-4 maximum1000 V• at SO Hz rated value400 V• at SO Hz rated value400 V• at SO Hz rated value400 V• at SO Hz rated value6.8 1.1Apparent pick-up power of magnet coil at AC • at 50 Hz8.8 V-A• at SO Hz0.82Apparent holding power of the coll • at SO Hz0.25• at SO Hz	— at 690 V rated value	11 kW
• at 400 V rated value4.4 kW• at 600 V rated value7.7 kWThemal short-time current limited to 10 s200 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor1.6 WNo-load switching frequency • at AC5 000 1/h• at AC1 000 1/h• at AC-1 maximum1 000 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-3 maximum250 1/h• at AC-4 maximum0.0 V• at SO Hz rated value400 V• at SO Hz rated value0.8 1.1• at SO Hz0.8 1.1• at SO Hz0.8 1.1• at SO Hz0.82• at SO Hz0.82 <tr< td=""><th>Operating power for approx. 200000 operating cycles</th><td></td></tr<>	Operating power for approx. 200000 operating cycles	
i at 60 V rated value bit 60 V ra	at AC-4	
Themai short-time current limited to 10 s Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency	• at 400 V rated value	4.4 kW
Power loss IWJ at AC-3 at 400 V for rated value of the operating current per conductor 1.6 W No-load switching frequency • at AC 5000 1/h Operating frequency • at AC-1 maximum 1 0000 1/h at AC-2 maximum 750 1/h • at AC-3 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 400 V • at AC-4 maximum 400 V • at 50 Hz rated value 0.8 1.1 • at 50 Hz 0.8 1.1 • at 50 Hz 0.82 • at 50 Hz 0.25 • at 50 Hz	• at 690 V rated value	7.7 kW
the operating current per conductor Image: control spectrum sp	Thermal short-time current limited to 10 s	200 A
No-load switching frequency• at AC5 000 1/hOperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ Control:400 VControl supply voltage at AC400 V• at 50 Hz rated value00 VOperating range factor control supply voltage rated value of magnet coil at AC0.8 1.1Apparent pick-up power of magnet coil at AC0.8 1.1Apparent pick-up power of magnet coil at AC0.82• at 50 Hz0.8 1.1Inductive power factor with closing power of the coll • at 50 Hz0.82• at 50 Hz0.82Inductive power factor with closing power of the coll • at 50 Hz0.82• at 50 Hz0.82Inductive power factor with heholing power of the coll • at 50 Hz0.25• at 50 Hz0.25Coing delay • at AC8 40 ms		1.6 W
• at AC5000 1/hOperating frequency1000 1/h• at AC-1 maximum1000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum400 VOperating range factor control supply voltage at AC400 V• at 50 Hz rated value0.8 1.1• at 50 Hz0.8 1.1Apparent pick-up power of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1Inductive power factor with closing power of the coil0.82• at 50 Hz0.82• at 50 Hz0.82• at 50 Hz0.82Inductive power factor with closing power of the coil0.82• at 50 Hz0.82• at 50 Hz0.82Inductive power factor with the holding power of the coil0.82• at 50 Hz0.25Closing delay0.25• at AC8 40 ms• at AC8 40 ms		
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a at AC - 2 maximum750 1/h• at AC - 3 maximum250 1/h• at AC - 4 maximum250 1/hControl circuit/ Control:Control circuit/ Control:Type of voltage of the control supply voltageACControl supply voltage at AC400 V• at 50 Hz rated value00 VOperating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1Apparent pick-up power of magnet coil at AC0.8 1.1• at 50 Hz0.82Inductive power factor with closing power of the coil • at 50 Hz0.82Inductive power factor with the holding power of the coil0.82• at 50 Hz0.82Inductive power factor with the holding power of the coil0.25Closing delay • at AC8 40 ms• at AC4 16 ms	Operating frequency	
 at AC-3 maximum at AC-3 maximum at AC-4 maximum 250 1/h 250 1/h	● at AC-1 maximum	1 000 1/h
at AC-4 maximum250 1/hControl circuit/ Control:Type of voltage of the control supply voltageACControl supply voltage at AC • at 50 Hz rated valueAOOperating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz0.8 1.1Apparent pick-up power of magnet coil at AC • at 50 Hz0.8 1.1Apparent pick-up power of magnet coil at AC • at 50 Hz0.82Apparent pick-up power of magnet coil at AC • at 50 Hz0.82Apparent pick-up power of magnet coil at AC • at 50 Hz0.82Apparent pick-up power of magnet coil at AC • at 50 Hz0.82Apparent pick-up power of magnet coil at AC • at 50 Hz0.82Apparent pick-up power of magnet coil at AC • at 50 Hz0.82Apparent holding power of magnet coil at AC • at 50 Hz0.82Apparent holding power of magnet coil at AC • at 50 Hz0.25Closing delay • at AC8 40 msOpening delay • at AC4 16 ms	● at AC-2 maximum	750 1/h
Control circuit/ Control: Type of voltage of the control supply voltage AC Control supply voltage at AC 400 V • at 50 Hz rated value 400 V Operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 • at 50 Hz 0.8 1.1 Apparent pick-up power of magnet coil at AC 77 V·A • at 50 Hz 0.82 Apparent holding power of magnet coil at AC 9.8 V·A • at 50 Hz 0.25 Closing delay 0.25 • at AC 8 40 ms	● at AC-3 maximum	750 1/h
Type of voltage of the control supply voltageACControl supply voltage at AC400 V• at 50 Hz rated value400 VOperating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1Apparent pick-up power of magnet coil at AC77 V·A• at 50 Hz0.82Inductive power factor with closing power of the coil • at 50 Hz0.82Apparent holding power of magnet coil at AC • at 50 Hz9.8 V·AInductive power factor with the holding power of the coil0.25Closing delay • at AC8 40 msOpening delay • at AC4 16 ms	● at AC-4 maximum	250 1/h
Type of voltage of the control supply voltageACControl supply voltage at AC400 V• at 50 Hz rated value400 VOperating range factor control supply voltage rated value of magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1Apparent pick-up power of magnet coil at AC77 V·A• at 50 Hz0.82Inductive power factor with closing power of the coil • at 50 Hz0.82Apparent holding power of magnet coil at AC • at 50 Hz9.8 V·AInductive power factor with the holding power of the coil0.25Closing delay • at AC8 40 msOpening delay • at AC4 16 ms		
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value of magnet coil at AC	Type of voltage of the control supply voltage	AC
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• at 50 Hz0.82Apparent holding power of magnet coil at AC • at 50 Hz9.8 V·AInductive power factor with the holding power of the coil0.25• at 50 Hz0.25Closing delay • at AC8 40 msOpening delay • at AC4 16 ms	Type 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	400 V
Apparent holding power of magnet coil at AC• at 50 Hz9.8 V·AInductive power factor with the holding power of the coil0.25• at 50 Hz0.25• at AC8 40 msOpening delay4 16 ms	Type 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	400 V 0.8 1.1
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coil.• at 50 Hz0.25Closing delay.• at AC840 msOpening delay.• at AC416 ms	Type 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 Inductive power factor with closing power of the coil • at 50 Hz	400 V 0.8 1.1 77 V·A
• at 50 Hz 0.25 Closing delay - • at AC 8 40 ms Opening delay - • at AC 4 16 ms	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC	400 V 0.8 1.1 77 V·A 0.82
Closing delay - • at AC 8 40 ms Opening delay - • at AC 4 16 ms	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC • at 50 Hz	400 V 0.8 1.1 77 V·A 0.82
• at AC 8 40 ms Opening delay 4 16 ms	Type of voltage of the control supply voltageControl supply voltage at AC• at 50 Hz rated valueOperating range factor control supply voltage rated value of magnet coil at AC• at 50 HzApparent pick-up power of magnet coil at AC• at 50 HzInductive power factor with closing power of the coil• at 50 HzApparent holding power of magnet coil at AC• at 50 HzInductive power factor with closing power of the coil• at 50 HzInductive power factor with the holding power of the	400 V 0.8 1.1 77 V·A 0.82 9.8 V·A
Opening delay • at AC 4 16 ms	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz	400 V 0.8 1.1 77 V·A 0.82 9.8 V·A
• at AC 4 16 ms	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz	400 V 0.8 1.1 77 V·A 0.82 9.8 V·A 0.25
	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz	400 V 0.8 1.1 77 V·A 0.82 9.8 V·A 0.25
	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz	400 V 0.8 1.1 77 V·A 0.82 9.8 V·A 0.25 8 40 ms
Arcing time 10 10 ms	Type 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 Inductive power factor with closing power of the coil • at 50 Hz Apparent holding power of magnet coil at AC • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz Inductive power factor with the holding power of the coil • at 50 Hz Closing delay • at AC	400 V 0.8 1.1 77 V·A 0.82 9.8 V·A 0.25 8 40 ms 4 16 ms

Desidual summer of the electronics for control with	_
Residual current of the electronics for control with signal <0>	
• at AC at 230 V maximum permissible	7 mA
• at DC at 24 V maximum permissible	16 mA
· · · · · · · · · · · · · · · · · · ·	
Auxiliary circuit:	
Number of NC contacts	
for auxiliary contacts	
— instantaneous contact	1
Number of NO contacts	
for auxiliary contacts	
— instantaneous contact	1
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
Operating current at DC-12	
• 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	1 A
• at 600 V rated value	0.15 A
Operating current at DC-13	
• 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 three-phase AC motor	21 A
• at 480 V rated value	21 A 22 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

— at 230 V rated value	3 hp		
 for three-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 / Q600		
hort-circuit protection			
Design of the fuse link			
 for short-circuit protection of the main circuit 			
- with type of coordination 1 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A		
- with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A		
 for short-circuit protection of the auxiliary switch 	fuse gL/gG: 10 A		
required			
nstallation/ mounting/ dimensions:			
Mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting		
	surface		
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail		
	according to DIN EN 50022		
Side-by-side mounting	Yes		
Height	85 mm		
Width	45 mm		
Depth	97 mm		
Required spacing			
 with side-by-side mounting 			
— forwards	0 mm		
— Backwards	0 mm		
— upwards	0 mm		
— downwards	0 mm		
— at the side	0 mm		
 for grounded parts 			
— forwards	0 mm		
— Backwards	0 mm		
— upwards	0 mm		
— upwards — at the side			
	0 mm		
— at the side	0 mm 6 mm		
— at the side — downwards	0 mm 6 mm		
 — at the side — downwards • for live parts 	0 mm 6 mm 0 mm		

— downwards	0 mm		
— at the side	6 mm		
Connections/ Terminals:			
Type of electrical connection			
 for main current circuit 	screw-type terminals		
 for auxiliary and control current circuit 	screw-type terminals		
Type of connectable conductor cross-sections			
• for main contacts			
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)		
— single or multi-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 conductors for main contacts 	2x (16 12), 2x (14 8)		
Type of connectable conductor cross-sections			
 for auxiliary contacts 			
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)		
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 at AWG conductors for auxiliary contacts 	2x (20 16), 2x (18 14)		
Safety related data:			
B10 value			
 with high demand rate acc. to SN 31920 	1 000 000		
Proportion of dangerous failures			
 with low demand rate acc. to SN 31920 	40 %		
 with high demand rate acc. to SN 31920 	73 %		
Failure rate [FIT]			
 with low demand rate acc. to SN 31920 	100 FIT		
Product function			
 Mirror contact acc. to IEC 60947-4-1 	Yes		
T1 value for proof test interval or service life acc. to IEC 61508	20 у		
Cortificator/approvals			

Certificates/approvals

General Product	Approval				EMC
CCC	CSA	EHC		<u>KTL</u>	C-TICK
Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates		Shipping Appro	val
Baumusterbescheini gung	EG-Konf.	Typprüfbescheinigu ng/Werkszeugnis	spezielle Prüfbescheinigunge <u>n</u>	ABS	B U R E A U VERITAS
Shipping Approv	al				
ĴÅ DNV DNV	GL	Llovd's Register Lrs	PRS	RINA	RMRS
other					
<u>Bestätigungen</u>	<u>Umweltbestätigung</u>	VDE			

-urther information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT20261AV00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20261AV00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT20261AV00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT20261AV00&lang=en





