SIEMENS

Data sheet

3RT2028-1AD00



CONTACTOR, AC-3, 18.5KW/400V, 1NO+1NC, AC 42V 50HZ, 3-POLE, SZ S0 SCREW TERMINAL

product brand name		SIRIUS	
Product designation		3RT2 contactor	
General technical data:			
Insulation voltage			
Rated value	V	690	
Degree of pollution		3	
Surge voltage resistance Rated value	kV	6	
Mechanical service life (switching cycles)			
 of the 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 block typical 		10 000 000	
Thermal short-time current restricted to 10 s	А	304	
Protection class IP			
• on the front		IP20	
• of the terminal		IP20	
Equipment marking			
• acc. to DIN EN 61346-2		Q	
• acc. to DIN EN 81346-2		Q	
Main circuit:			
Number of poles for main current circuit		3	
Number of NC contacts for main contacts		0	
Number of NO contacts for main contacts		3	
Operating voltage			

 at AC-3 Rated value maximum 	V	690
Operating current		
• at AC-1		
— at 400 V at ambient temperature 40 °C	А	50
Rated value		
— up to 690 V at ambient temperature 40 $^\circ C$	А	50
Rated value		
— up to 690 V at ambient temperature 60 °C Rated value	A	42
• at AC-2 at 400 V Rated value	А	38
● at AC-3		
— at 400 V Rated value	А	38
— at 500 V Rated value	А	32
— at 690 V Rated value	А	21
• at AC-4 at 400 V Rated value	А	22
Operating current with 1 current path		
● at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	4.5
— at 220 V Rated value	А	1
— at 440 V Rated value	А	0.4
— at 600 V Rated value	А	0.25
● at DC-3 at DC-5		
— at 24 V Rated value	А	20
— at 110 V Rated value	А	2.5
— at 220 V Rated value	А	1
— at 440 V Rated value	А	0.09
— at 600 V Rated value	А	0.06
Operating current with 2 current paths in series		
● at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	35
— at 220 V Rated value	А	5
— at 440 V Rated value	А	1
— at 600 V Rated value	А	0.8
• at DC-3 at DC-5		
— at 110 V Rated value	А	15
— at 220 V Rated value	А	3
— at 24 V Rated value	А	35
— at 440 V Rated value	А	0.27
— at 600 V Rated value	А	0.16
Operating current with 3 current paths in series		

• at DC-1 - at 24 V Rated value A 35 - at 110 V Rated value A 35 - at 220 V Rated value A 35 - at 440 V Rated value A 29 - at 600 V Rated value A 14 • at DC-3 DC-5 - - at 110 V Rated value A 35 - at 220 V Rated value A 10 - at 24 V Rated value A 0.6 - at 200 V Rated value A 0.6 - at 200 V Rated value A 0.6 - at 440 V Rated value A 0.6 - at 400 V Rated value KW 18.5 - at 400 V Rated value KW 18.5 - at 230 V at 60 ° C Rated value KW 15.5 - at 230 V Rated value KW 16 - at 400 V Rated value KW 16 - at 690 V rated value KW 17.5 - at 690 V Rated value KW 18.5 - at 690 V Rated value KW 18.5 - at 690 V Rat			
- at 110 V Rated value A 35 - at 220 V Rated value A 29 - at 600 V Rated value A 2.9 - at 600 V Rated value A 14 • at DC-5 - - - at 110 V Rated value A 35 - at 220 V Rated value A 10 - at 240 V Rated value A 36 - at 240 V Rated value A 36 - at 200 V Rated value A 0.6 Operating power - - - at AC-1 at 400 V Rated value KW 28 • at AC-1 at 400 V Rated value KW 11 Operating power - - • at AC-1 at 400 V Rated value KW 15.5 - at 230 V Rated value KW 16 - at 230 V Rated value KW 16 - at 400 V Rated value KW 16 - at 600 °C Rated value KW 18.5 - at 600 °C Rated value KW 18.5 - at 600 V Rated value KW 18.5 - at 600 V Rated value KW 18.5	• at DC-1		
Landon LaborationA35- at 220 V Rated valueA2.9- at 600 V Rated valueA1.4• at DC-3 at DC-5 at 110 V Rated valueA10- at 220 V Rated valueA10- at 220 V Rated valueA35- at 220 V Rated valueA0.6- at 600 V Rated valueA0.6- at 600 V Rated valueA0.6- at 600 V Rated valueKW28• at AC-1 at 400 V Rated valueKW18.5• at AC-2 at 400 V Rated valueKW11Operating power-• at AC-4 at 400 V Rated valueKW15.5- at 230 V Rated valueKW15.5- at 230 V Rated valueKW16- at 230 V Rated valueKW16- at 400 V Rated valueKW17.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW11- at 300 V Rated valueKW18.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW10.3Operating power for 2 200000 operating cycles at AC-4 at 690 V Rated valueKW10.3Operating fractor control supply voltage ratedKW10.3Operating fractor power for 2 200000 operating cycles at AC-4 at 690 V Rated valueKW6- at 690 V Rated valueKW10.3Operating fractor power for 2 200000	— at 24 V Rated value	А	35
	— at 110 V Rated value	А	35
	— at 220 V Rated value	А	35
• at DC-3 at DC-5 - - at 110 V Rated value A 35 - at 220 V Rated value A 10 - at 24 V Rated value A 35 - at 440 V Rated value A 0.6 Operating power - 0.6 • at AC-1 at 400 V Rated value KW 28 • at AC-1 at 400 V Rated value KW 18.5 • at AC-1 at 400 V Rated value KW 11 Operating power - - • at AC-1 - - - at 230 V Rated value KW 15.5 - at 230 V Rated value KW 16 - at 600 V at 80 °C Rated value KW 16 - at 600 V at 80 °C Rated value KW 17.5 - at 600 V at 80 °C Rated value KW 18.5 - at 600 V Rated value KW 18.5 - at 400 V Rated value KW 18.5 - at 600 V Rated value KW 18.5 - at 600 V Rated value KW 10.3 Operating power for 2 200000 operating cycles at AC-3 - • at 600 V Rated value KW<	— at 440 V Rated value	А	2.9
at 110 V Rated valueA35 at 220 V Rated valueA10 at 24 V Rated valueA35 at 440 V Rated valueA0.6 at 600 V Rated valueKW28 at 600 V Rated valueKW18.5 at A00 V Rated valueKW11Operating power	— at 600 V Rated value	А	1.4
- at 220 V Rated valueA10- at 24 V Rated valueA35- at 440 V Rated valueA0.6- at 600 V Rated valueA0.6- at 600 V Rated valueKW28at AC-1 at 400 V Rated valueKW18.5- at AC-1 at 400 V Rated valueKW11Operating power	• at DC-3 at DC-5		
	— at 110 V Rated value	А	35
at 440 V Rated valueA0.6 at 600 V Rated valueA0.6Operating power	— at 220 V Rated value	А	10
at 600 V Rated valueA0.6Operating power	— at 24 V Rated value	А	35
Operating power 4 • at AC-1 at 400 V Rated value kW 28 • at AC-2 at 400 V Rated value kW 18.5 • at AC-4 at 400 V Rated value kW 11 Operating power • • • at AC-1 - - - at 230 V Rated value kW 15.5 - at 230 V Rated value kW 16 - at 400 V at 60 °C Rated value kW 27.5 - at 690 V Rated value kW 48 • at AC-3 - - - at 690 V Rated value kW 48 • at AC-3 - - - at 690 V Rated value kW 11 - at 690 V Rated value kW 18.5 - at 690 V Rated value kW 18.5 - at 690 V Rated value kW 18.5 Operating power for ≥ 200000 operating cycles at AC-3 - • at 400 V Rated value kW 10.3 Operating frequency - - • at 400 V Rated value kW 6 • at 690 V Rated value V 42	— at 440 V Rated value	А	0.6
• at AC-1 at 400 V Rated value kW 28 • at AC-2 at 400 V Rated value kW 18.5 • at AC-4 at 400 V Rated value kW 11 Operating power • at AC-1	— at 600 V Rated value	А	0.6
e at AC-2 at 400 V Rated valueKW18.5• at AC-4 at 400 V Rated valueKW11Operating power••• at AC-1-•- at 230 V at 60 °C Rated valueKW15.5- at 230 V Rated valueKW16- at 400 V at 60 °C Rated valueKW27.5- at 690 V Rated valueKW47.5- at 690 V Rated valueKW48• at AC-3 at 230 V Rated valueKW11- at 690 V Rated valueKW18.5- at 690 V Rated valueKW11- at 690 V Rated valueKW18.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW10.5- at 690 V Rated valueKW10.5- at 690 V Rated valueKW10.3Operating power for ≥ 20000 operating cycles at AC-4-• at 400 V Rated valueKW6• at 690 V Rated valueKW10.3Operating frequency• at AC-3 maximum1/h750Control supply voltage with AC• at 50 Hz Rated valueV42Operating range factor control supply voltage ratedV42Operating range factor control supply voltage ratedV	Operating power		
• at AC-4 at 400 V Rated value KW 11 Operating power - • at AC-1 - - at 230 V at 60 °C Rated value KW 15.5 - at 230 V Rated value KW 16 - at 400 V at 60 °C Rated value KW 27.5 - at 690 V at 60 °C Rated value KW 48 • at AC-3 - - - at 230 V Rated value KW 11 - at 690 V Rated value KW 48 • at AC-3 - - - at 690 V Rated value KW 18.5 - at 690 V Rated value KW 18.5 - at 690 V Rated value KW 10.3 Operating power for ≥ 200000 operating cycles at AC-4 KW 6 • at 400 V Rated value KW 10.3 0 Operating frequency - - 750 • at AC-3 maximum 1/h 750 1/h Control supply voltage of the control supply voltage AC AC Operating range factor control supply voltage rated value V 42 Operating range factor control supply voltage rated value <td>• at AC-1 at 400 V Rated value</td> <td>kW</td> <td>28</td>	• at AC-1 at 400 V Rated value	kW	28
Operating power • at AC-1 at 230 V at 60 °C Rated value KW 15.5 at 230 V Rated value KW 16 at 400 V at 60 °C Rated value KW 27.5 at 690 V at 60 °C Rated value KW 47.5 at 690 V Rated value KW 48 • at AC-3 - - at 690 V Rated value KW 11 at 690 V Rated value KW 18.5 Operating power for ≥ 200000 operating cycles at AC-4 - • at 400 V Rated value KW 10.3 Operating frequency - - • at AC-3 maximum 1/h 750 Control circuit/ Control: - Type of voltage of the control supply voltage AC Control supply voltage with AC - • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value V 42	• at AC-2 at 400 V Rated value	kW	18.5
• at AC-1Image: Control supply voltageKW15.5- at 230 V at 60 °C Rated valueKW16- at 400 V at 60 °C Rated valueKW27.5- at 690 V at 60 °C Rated valueKW47.5- at 690 V Rated valueKW48• at AC-3 at 230 V Rated valueKW11- at 400 V Rated valueKW18.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW10.3Operating power for ≥ 200000 operating cycles at AC-4-• at 400 V Rated valueKW6• at 400 V Rated valueKW10.3Operating frequency• at AC-3 maximum1/h750Control supply voltage with AC• at 50 Hz Rated valueV42Operating range factor control supply voltage ratedV	• at AC-4 at 400 V Rated value	kW	11
at 230 V at 60 °C Rated valueKW15.5 at 230 V Rated valueKW16 at 400 V at 60 °C Rated valueKW27.5 at 690 V Rated valueKW47.5 at 690 V Rated valueKW48• at AC-3 at 230 V Rated valueKW11 at 400 V Rated valueKW18.5 at 690 V Rated valueKW18.5 at 690 V Rated valueKW18.5 at 690 V Rated valueKW10.3Operating power for ≥ 200000 operating cycles at AC-4-• at 400 V Rated valueKW6• at 400 V Rated valueKW10.3Operating frequency • at AC-3 maximum1/h750Control circuit/ Control:Type of voltage of the control supply voltageACControl supply voltage with AC • at 50 Hz Rated valueV42Operating range factor control supply voltage rated value of the magnet coll with AC-	Operating power	-	
- at 230 V Rated value kW 16 - at 400 V at 60 °C Rated value kW 27.5 - at 690 V at 60 °C Rated value kW 47.5 - at 690 V Rated value kW 48 • at AC-3 - - - at 230 V Rated value kW 11 - at 230 V Rated value kW 18.5 - at 200 V Rated value kW 18.5 - at 690 V Rated value kW 18.5 - at 690 V Rated value kW 18.5 - at 690 V Rated value kW 10.3 Operating power for ≥ 200000 operating cycles at AC-4 6 • at 400 V Rated value kW 10.3 Operating frequency - • at AC-3 maximum 1/h 750 Control circuit/ Control: - Type of voltage of the control supply voltage AC Control supply voltage with AC - • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value V 42	● at AC-1		
$ \begin{array}{c c c c c } -at 400 V at 60 °C Rated value & kW & 27.5 \\ -at 690 V at 60 °C Rated value & kW & 47.5 \\ -at 690 V Rated value & kW & 48 \\ \bullet at AC-3 & & & \\ -at 230 V Rated value & kW & 11 \\ -at 400 V Rated value & kW & 18.5 \\ -at 690 V Rated value & kW & 18.5 \\ \hline Operating power for \geq 200000 operating cycles at AC-4 & & \\ \bullet at 400 V Rated value & kW & 10.3 \\ \hline Operating frequency & & & \\ \bullet at 690 V Rated value & kW & 10.3 \\ \hline Operating frequency & & & \\ \bullet at AC-3 maximum & 1/h & 750 \\ \hline \hline Control circuit/ Control: & & \\ \hline Type of voltage of the control supply voltage & AC \\ \hline Control supply voltage with AC & & \\ \bullet at 50 Hz Rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply voltage rated value & V & 42 \\ \hline Operating range factor control supply $	— at 230 V at 60 °C Rated value	kW	15.5
at 690 V at 60 °C Rated value kW 47.5 at 690 V Rated value kW 48 • at AC-3 - at 230 V Rated value kW 11 at 400 V Rated value kW 18.5 at 690 V Rated value kW 18.5 at 690 V Rated value kW 10.3 Operating power for ≥ 200000 operating cycles at AC-4 kW 10.3 • at 400 V Rated value kW 10.3 Operating frequency - - • at AC-3 maximum 1/h 750 Control circuit/ Control: - - Type of voltage of the control supply voltage AC • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value V 42	— at 230 V Rated value	kW	16
at 690 V Rated valuekW48• at AC-3 at 230 V Rated valuekW11 at 400 V Rated valuekW18.5 at 690 V Rated valuekW18.5Operating power for ≥ 200000 operating cycles at AC-4• at 400 V Rated valuekW• at 400 V Rated valuekW0 V Rated valuekW• at 400 V Rated valuekW• at 400 V Rated valuekW• at 690 V Rated valuekW• at AC-3 maximum1/h7pe of voltage of the control supply voltageACControl circuit/ Control:V4242Operating range factor control supply voltage rated value of the magnet coll with ACI	— at 400 V at 60 °C Rated value	kW	27.5
• at AC-3 KW 11 - at 230 V Rated value KW 18.5 - at 690 V Rated value KW 18.5 - at 690 V Rated value KW 18.5 Operating power for ≥ 200000 operating cycles at AC-4 KW 6 • at 400 V Rated value KW 6 • at 400 V Rated value KW 10.3 Operating frequency Jacobia Jacobia • at AC-3 maximum 1/h 750 Control circuit/ Control: V 42 Operating range factor control supply voltage rated value V 42	— at 690 V at 60 °C Rated value	kW	47.5
at 230 V Rated valuekW11 at 400 V Rated valuekW18.5 at 690 V Rated valuekW18.5Operating power for ≥ 200000 operating cycles at AC-4KW6• at 400 V Rated valuekW6• at 690 V Rated valuekW10.3Operating frequency • at AC-3 maximum750Control circuit/ Control:XType of voltage of the control supply voltage • at 50 Hz Rated valueACControl supply voltage with AC • at 50 Hz Rated valueV42Operating range factor control supply voltage rated value of the magnet col with ACV	— at 690 V Rated value	kW	48
at 400 V Rated valuekW18.5 at 690 V Rated valuekW18.5Operating power for ≥ 200000 operating cycles at AC-4KW6• at 400 V Rated valuekW6• at 690 V Rated valuekW10.3Operating frequency • at AC-3 maximum1/h750Control circuit/ Control:ACType of voltage of the control supply voltageACControl supply voltage with AC • at 50 Hz Rated valueV42Operating range factor control supply voltage rated value of the magnet coil with ACI	● at AC-3		
at 690 ∨ Rated valuekW18.5Operating power for ≥ 200000 operating cycles at AC-4KW6• at 400 ∨ Rated valuekW6• at 690 ∨ Rated valuekW10.3Operating frequency • at AC-3 maximum1/h750Control circuit/ Control:XType of voltage of the control supply voltageACControl supply voltage with AC • at 50 Hz Rated valueV42Operating range factor control supply voltage rated value of the magnet coll with ACV42	— at 230 V Rated value	kW	11
Operating power for ≥ 200000 operating cycles at Image: Constraint of Constraint	— at 400 V Rated value	kW	18.5
AC-4KW6• at 400 V Rated valuekW6• at 690 V Rated valuekW10.3Operating frequency • at AC-3 maximum750Control circuit/ Control:ACType of voltage of the control supply voltageACControl supply voltage with AC • at 50 Hz Rated valueV4242Operating range factor control supply voltage rated value of the magnet coil with ACV	— at 690 V Rated value	kW	18.5
• at 690 V Rated valuekW10.3Operating frequency • at AC-3 maximum1/h750Control circuit/ Control:ACControl supply voltage of the control supply voltageACControl supply voltage with AC • at 50 Hz Rated valueV42Operating range factor control supply voltage rated value of the magnet coil with ACV			
Operating frequency 1/h 750 • at AC-3 maximum 1/h 750 Control circuit/ Control: AC Type of voltage of the control supply voltage AC Control supply voltage with AC 42 • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value of the magnet coil with AC Image: Control supply voltage rated value	• at 400 V Rated value	kW	6
• at AC-3 maximum1/h750Control circuit/ Control:ACType of voltage of the control supply voltageACControl supply voltage with ACAC• at 50 Hz Rated valueV4242Operating range factor control supply voltage rated value of the magnet coil with ACImage rated voltage rated	• at 690 V Rated value	kW	10.3
Control circuit/ Control: Type of voltage of the control supply voltage AC Control supply voltage with AC 42 • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value of the magnet coil with AC Image: Control supply voltage rated value	Operating frequency		
Type of voltage of the control supply voltage AC Control supply voltage with AC 42 • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value of the magnet coil with AC Image: Control supply voltage rated value	• at AC-3 maximum	1/h	750
Control supply voltage with AC V 42 • at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value of the magnet coil with AC Image: Control supply voltage rated value			
• at 50 Hz Rated value V 42 Operating range factor control supply voltage rated value of the magnet coil with AC			AC
Operating range factor control supply voltage rated value of the magnet coil with AC			
value of the magnet coil with AC		V	42
• at 50 Hz 0.8 1.1			
	● at 50 Hz		0.8 1.1
Auxiliary circuit:			

Number of NC contacts	-	
 for auxiliary contacts 		
— instantaneous contact		1
Number of NO contacts	-	
for auxiliary contacts		
— instantaneous contact		1
Product expansion Auxiliary switch	-	Yes
Operating current at AC-15		
• at 230 V Rated value	А	10
• at 400 V Rated value	А	3
at 690 V Rated value	А	1
Operating current	-	
at DC-12 at 125 V Rated value	А	2
at DC-12 at 220 V Rated value	A	1
at DC-12 at 600 V Rated value	A	0.15
at DC-12 at 000 v Rated value at DC-13 at 125 V Rated value	A	0.9
at DC-13 at 220 V Rated value	A	0.3
at DC-13 at 600 V Rated value	A	0.1
Operating current		
• at DC-12		
— at 60 V Rated value	А	6
— at 110 V Rated value	A	3
• at DC-13	~	Ŭ
— at 24 V Rated value	А	10
— at 60 V Rated value	A	2
	A	1
- at 110 V Rated value	A	
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
JL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	А	34
• at 600 V Rated value	А	27
yielded mechanical performance [hp]	_	
 for single-phase AC motor at 110/120 V Rated value 	metric hp	3
 for single-phase AC motor at 230 V Rated value 	metric hp	5
 for three-phase AC motor at 200/208 V Rated value 	metric hp	10
 for three-phase AC motor at 220/230 V Rated value 	metric hp	10
 for three-phase AC motor at 460/480 V Rated value 	metric hp	25

 for three-phase AC motor at 575/600 V Rated value 	metric hp	25
Contact rating of the auxiliary contacts acc. to UL		A600 / Q600
Short-circuit:		
Design of the fuse link		
 for short-circuit protection of the main circuit 		
— with type of assignment 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 required 		fuse gL/gG: 10 A
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
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
 Side-by-side mounting 		Yes
Height	mm	85
Width	mm	45
Depth	mm	97
Required spacing		
with side-by-side mounting		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
 for live parts 		
— forwards	mm	0
	mm	0
— Backwards		0
— upwards	mm	
— downwards	mm	0
— at the side	mm	6
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-section		
• for main contacts		
— 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
 for AWG conductors for main contacts 		2x (16 12), 2x (14 8)
 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)
 for AWG conductors for auxiliary contacts 		2x (20 16), 2x (18 14)
Apparent pick-up power of the magnet coil with AC		
• at 50 Hz	V·A	77
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	FIT	100
Product function Mirror contact acc. to IEC 60947-4-1		Yes
T1 value for proof test interval or service life acc. to IEC 61508	У	20
Protection against electrical shock		finger-safe
Aechanical data:		
Size of contactor		SO
Ambient conditions:		
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
during operation	°C	-25 +60

Certificates/ approvals:

				Safety/Safety of Machinery
(SA) CSA	EHC		С-тіск	Type Examination
Test Certificate	IS	Shipping App	roval	
Special Test Certificate	<u>Type Test</u> Certificates/Test <u>Report</u>	ABS	B U R E A U VERITAS	
I				other
Lloyd's Register LRS	PRS	RINA	RMRS	Environmental Confirmations
loadcenter (Cata	logs, Brochures,)			
	Special Test Certificate	CSA Test Certificates Special Test Certificate Type Test Certificates/Test Report I Ecoyods Image: Construction of the second s	csa ut Test Certificates Shipping App Special Test Certificate Type Test Certificates/Test Report Image: Certificates/Test Report I Image: Certificates Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report I Image: Certificates Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report I Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report I Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Test Report Image: Certificates/Te	CSA UL C-TICK Test Certificates Shipping Approval Special Test Certificate Type Test Certificates/Test Report \widetilde{O}_{ABS} $\widetilde{O}_{CERTACS}$ I I I I I I I I I I I I I I I I I I I I I I I I I I

Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20281AD00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT20281AD00/all

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