# SIEMENS

## Data sheet

## 3RT2028-2AP00



CONTACTOR, AC-3, 18.5KW/400V, 1NO+1NC, AC 230V 50HZ, 3-POLE, SZ S0 SPRING-LOADED 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)			
<ul> <li>of the contactor typical</li> </ul>		10 000 000	
• of the contactor with added electronics-		5 000 000	
compatible auxiliary switch block typical			
<ul> <li>of the contactor with added auxiliary switch</li> </ul>		10 000 000	
block typical			
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	
lain 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			

<ul> <li>at AC-3 Rated value maximum</li> </ul>	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         A         35           - at 224 V Rated value         A         35           - at 100 V Rated value         A         35           - at 220 V Rated value         A         29           - at 600 V Rated value         A         14           • at DC-3 at DC-5         -         -           - at 110 V Rated value         A         35           - at 200 V Rated value         A         35           - at 20 V Rated value         A         0.6           - at 400 V Rated value         A         0.6           - at 400 V Rated value         KW         18.5           • at AC-1 at 400 V Rated value         KW         11           Operating power         -         -           • at AC 4 at 400 V Rated value         KW         15.5           - at 230 V at 60 °C Rated value         KW         15.5           - at 690 V Rated value         KW         15.5           - at 690 V Rated value         KW         11           - at 690 V Rated value         KW			
	• at DC-1		
Labor National StateA35- 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-1-• at AC-1 at 230 V Rated valueKW• at AC-1 at 690 V at 60 °C Rated valueKW• at 600 V Rated value<	— at 24 V Rated value	А	35
- at 440 V Rated value     A     2.9       - at 600 V Rated value     A     1.4       • at DC-3 at DC-5     -       - at 220 V Rated value     A     35       - at 220 V Rated value     A     35       - at 220 V Rated value     A     35       - at 24 V Rated value     A     0.6       - at 600 V Rated value     A     0.6       - at 600 V Rated value     A     0.6       • at AC-2 at 400 V Rated value     KW     18.5       • at AC-2 at 400 V Rated value     KW     11       • of AC-1     -     -       • at 230 V Rated value     KW     15.5       - at 230 V Rated value     KW     16       - at 230 V Rated value     KW     16       - at 230 V Rated value     KW     14       - at 690 V Rated value     KW     14       - at 690 V Rated value     KW     14       - at 690 V Rated value     KW     18.5       - at 690 V Rated value     KW	— 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       -       -         • 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       10.3         Operating power for 2 200000 operating cycles at AC-3       -         • at 600 V Rated value       KW <td>— at 440 V Rated value</td> <td>А</td> <td>2.9</td>	— 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 AC-1 at 400 V Rated valueKW18.5- at AC-2 at 400 V Rated valueKW11Operating power at 230 V at 60 °C Rated valueKW15.5- at 230 V Rated valueKW15.5- at 230 V Rated valueKW16- at 400 V Rated valueKW16- at 400 V Rated valueKW16- at 230 V Rated valueKW18.5- at 690 V Rated valueKW18.5- at 690 V Rated valueKW11- at 690 V Rated valueKW18.5- at 690 V Rated valueKW10.3Operating power for ≥ 200000 operating cycles at AC-3 at 400 V Rated valueKW10.3Operating frequency at 600 V Rated valueKW10.3Operating frequency at 600 V Rated valueV230Operating range factor control supply voltage ratedV- at 600 V Rated valueV230Operating range factor control supply voltage ratedV- at 600 V Rated valueV230Operating range factor contro	— 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 valueA0.6Operating powerKW28• at AC-1 at 400 V Rated valueKW18.5• at AC-2 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       4t 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 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 Rated value       kW       48         • at AC-3       -       -         - at 690 V Rated value       kW       48         • at AC-3       -       -         - at 690 V Rated value       kW       18.5         - at 690 V Rated value       kW       10.3         Operating power for ≥ 200000 operating cycles at AC-3       -         - at 400 V Rated value       kW       10.3         Operating frequency       -       -         • at AC-3 maximum       1/h       750         Control supply voltage	— 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 at 60 °C 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 valueKW18.5- at 690 V Rated valueKW10.3Operating power for ≥ 200000 operating cycles at AC-4 at 690 V Rated valueKW6• at 600 V Rated valueKW10.3Operating frequency • at AC-3 maximum1/h750Control supply voltage with AC • at 50 Hz Rated valueV230Operating range factor control supply voltage rated value of the magnet coll with AC230	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       47.5         - at 690 V Rated value       kW       48         • at AC-3       -       -         - at 230 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       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:       -       230         Operating range factor control supply voltage rated value       V       230         Operating range factor control supply voltage rated value       V       230	• 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 230 V Rated value       KW       11         - at 400 V Rated value       KW       18.5         - at 690 V Rated value       KW       18.5         Operating power for ≥ 200000 operating cycles at AC-3       -         - 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       0         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       -       230       -         Operating range factor control supply voltage rated value       V	• 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 valueV230Operating 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-4AC-4• at 400 V Rated valueKW6• at 400 V Rated valueKW10.3Operating frequency • at AC-3 maximum1/h750Control circuit/ Control:XC230Operating range factor control supply voltage rated value of the magnet coll with ACV230	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       230         Operating range factor control supply voltage rated value of the magnet coil with AC       -	● at AC-1		
$\begin{array}{c c c c c c } -at 400 V at 60 °C Rated value & kW & 27.5 \\ -at 690 V at 60 °C Rated value & kW & 47.5 \\ -at 690 V Rated value & kW & 48 \\ \bullet at AC-3 & & & \\ -at 230 V Rated value & kW & 11 \\ -at 400 V Rated value & kW & 18.5 \\ -at 690 V Rated value & kW & 18.5 \\ \hline Operating power for \geq 200000 operating cycles at AC-4 & & \\ \bullet at 400 V Rated value & kW & 10.3 \\ \hline Operating frequency & & & \\ \bullet at 690 V Rated value & kW & 10.3 \\ \hline Operating frequency & & & \\ \bullet at AC-3 maximum & 1/h & 750 \\ \hline \hline Control circuit/ Control: & & \\ \hline Type of voltage of the control supply voltage & AC \\ \hline Control supply voltage with AC & & \\ \bullet at 50 Hz Rated value & V & 230 \\ \hline Operating range factor control supply voltage rated value & V & 230 \\ \hline \end{array}$	— 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       230         Operating range factor control supply voltage rated value       V       230	— 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 valuekW6• at 400 V Rated valuekW0 perating frequency • at AC-3 maximum1/h7pe of voltage of the control supply voltageACControl circuit/ Control:	— at 400 V at 60 °C Rated value	kW	27.5
• at AC-3KW11- at 230 V Rated valueKW18.5- 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 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 valueV230Operating range factor control supply voltage rated value of the magnet coil with ACV230	— 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 valueV230Operating range factor control supply voltage rated value of the magnet col with ACV230	— at 690 V Rated value	kW	48
$\begin{array}{c c c c c c } -at 400 \ V \ Rated \ value & kW & 18.5 \\ -at 690 \ V \ Rated \ value & kW & 18.5 \\ \hline \end{tabular}$	● 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 valueV230Operating range factor control supply voltage rated value of the magnet coll with ACV230	— 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:ACControl supply voltage of the control supply voltageACControl supply voltage with AC • at 50 Hz Rated valueV230230Operating 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 valueV230Operating 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       • at 50 Hz Rated value     V     230       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 valueV230Operating 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     V       • at 50 Hz Rated value     V     230       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       230         • at 50 Hz Rated value       V       230         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     230       • at 50 Hz Rated value     V     230       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 230 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	Control supply voltage with AC		
value of the magnet coil with AC		V	230
• at 50 Hz 0.8 1.1			
	● at 50 Hz		0.8 1.1
	Auxiliary circuit:		

Number of NC contacts	-	
<ul> <li>for auxiliary contacts</li> </ul>		
— 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]	_	
<ul> <li>for single-phase AC motor at 110/120 V Rated value</li> </ul>	metric hp	3
<ul> <li>for single-phase AC motor at 230 V Rated value</li> </ul>	metric hp	5
<ul> <li>for three-phase AC motor at 200/208 V Rated value</li> </ul>	metric hp	10
<ul> <li>for three-phase AC motor at 220/230 V Rated value</li> </ul>	metric hp	10
<ul> <li>for three-phase AC motor at 460/480 V Rated value</li> </ul>	metric hp	25

<ul> <li>for three-phase AC motor at 575/600 V Rated value</li> </ul>	metric hp	25
Contact rating of the auxiliary contacts acc. to UL		A600 / Q600
Short-circuit:		
Design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
— 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
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>		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
<ul> <li>Side-by-side mounting</li> </ul>		Yes
Height	mm	102
Width	mm	45
Depth	mm	97
Required spacing	-	
<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
<ul> <li>for grounded parts</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
– downwards	mm	0
— at the side	mm	6
Connections/ Terminals:		

Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		spring-loaded terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		spring-loaded terminals
Type of connectable conductor cross-section	-	
<ul> <li>for main contacts</li> </ul>		
— single or multi-stranded		2x (1 10 mm²)
— finely stranded with core end processing		2x (1 6 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>		2x (1 6 mm²)
<ul> <li>for AWG conductors for main contacts</li> </ul>		2x (18 8)
<ul> <li>for auxiliary contacts</li> </ul>		
— single or multi-stranded		2x (0,5 2,5 mm²)
— finely stranded with core end processing		2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>		2x (0.5 2.5 mm²)
<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>		2x (20 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
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	%	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
/lechanical data:		
Size of contactor		SO
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		a
during operation	°C	-25 +60
during storage	°C	-55 +80
Certificates/ approvals:		

General Product	t Approval			EMC	Functional Safety/Safety of Machinery
	(SA)	EHC		С-тіск	Type Examinatio
Declaration of Conformity	Test Certificate	es	Shipping App	proval	
EG-Konf.	Special Test Certificate	<u>Type Test</u> Certificates/Test <u>Report</u>	ABS	BUREAU VERITAS	<b>ĴŠ</b> DNV DNV
Shipping Approv	/al				other
GL GL	Lloyd's Register LRS	PRS	RINA	RMRS	Environmental Confirmations
other					
Confirmation					
ther information					

# http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20282AP00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT20282AP00/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT20282AP00&lang=en





