# **SIEMENS**

Data sheet 3RT2024-1AV00



CONTACTOR, AC-3, 5.5KW/400V, 1NO+1NC, AC 400V 50HZ, 3-POLE, SZ SO 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)		
<ul> <li>of the contactor typical</li> </ul>		10 000 000
<ul> <li>of the contactor with added electronics- compatible 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
Thermal short-time current restricted to 10 s	Α	110
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	

<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 Rated value	Α	40
— up to 690 V at ambient temperature 40 $^{\circ}\mathrm{C}$ Rated value	Α	40
— up to 690 V at ambient temperature 60 °C Rated value	А	35
• at AC-2 at 400 V Rated value	Α	12
• at AC-3		
— at 400 V Rated value	Α	12
— at 500 V Rated value	Α	12
— at 690 V Rated value	Α	9
• at AC-4 at 400 V Rated value	Α	12.5
Operating current with 1 current path		
• at DC-1		
— at 24 V Rated value	Α	35
— at 110 V Rated value	Α	4.5
— at 220 V Rated value	Α	1
— at 440 V Rated value	Α	0.4
— at 600 V Rated value	Α	0.25
• at DC-3 at DC-5		
— at 24 V Rated value	Α	20
— at 110 V Rated value	Α	2.5
— at 220 V Rated value	Α	1
— at 440 V Rated value	Α	0.09
— at 600 V Rated value	Α	0.06
Operating current with 2 current paths in series		
• at DC-1		
— at 24 V Rated value	Α	35
— at 110 V Rated value	Α	35
— at 220 V Rated value	Α	5
— at 440 V Rated value	Α	1
— at 600 V Rated value	Α	0.8
• at DC-3 at DC-5		
— at 110 V Rated value	Α	15
— at 220 V Rated value	Α	3
— at 24 V Rated value	Α	35
— at 440 V Rated value	Α	0.27
— at 600 V Rated value	Α	0.16
Operating current with 3 current paths in series		

• at DC-1		
— at 24 V Rated value	Α	35
— at 110 V Rated value	Α	35
— at 220 V Rated value	Α	35
— at 440 V Rated value	Α	2.9
— at 600 V Rated value	Α	1.4
• at DC-3 at DC-5		
— at 110 V Rated value	Α	35
— at 220 V Rated value	Α	10
— at 24 V Rated value	Α	35
— at 440 V Rated value	Α	0.6
— at 600 V Rated value	Α	0.6
Operating power		
● at AC-1 at 400 V Rated value	kW	23
• at AC-2 at 400 V Rated value	kW	5.5
• at AC-4 at 400 V Rated value	kW	5.5
Operating power		
• at AC-1		
— at 230 V at 60 °C Rated value	kW	13.3
— at 230 V Rated value	kW	13.3
— at 400 V at 60 °C Rated value	kW	23
— at 690 V at 60 °C Rated value	kW	40
— at 690 V Rated value	kW	40
• at AC-3		
— at 230 V Rated value	kW	3
— at 400 V Rated value	kW	5.5
— at 690 V Rated value	kW	7.5
Operating power for ≥ 200000 operating cycles at AC-4		
• at 400 V Rated value	kW	2.6
• at 690 V Rated value	kW	4.6
Operating frequency		
• at AC-3 maximum	1/h	1 000
Control circuit/ Control:		
Type of voltage of the control supply voltage		AC
Control supply voltage with AC	V	400
at 50 Hz Rated value	V	400
Operating range factor control supply voltage rated value of the magnet coil with AC		

A			
Auxil	ıaı v	UIIU	uit.

• at 50 Hz

0.8 ... 1.1

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	Α	10
• at 400 V Rated value	Α	3
• at 690 V Rated value	Α	1
Operating current	_	
• at DC-12 at 125 V Rated value	Α	2
• at DC-12 at 220 V Rated value	Α	1
• at DC-12 at 600 V Rated value	Α	0.15
• at DC-13 at 125 V Rated value	Α	0.9
• at DC-13 at 220 V Rated value	Α	0.3
• at DC-13 at 600 V Rated value	Α	0.1
Operating current		
• at DC-12		
— at 60 V Rated value	Α	6
— at 110 V Rated value	Α	3
• at DC-13		
— at 24 V Rated value	Α	10
— at 60 V Rated value	Α	2
— at 110 V Rated value	Α	1
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
II /00 A	_	
JL/CSA ratings:  Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	Α	11
at 600 V Rated value	A	11
yielded mechanical performance [hp]	, ·	· ·
• for single-phase AC motor at 110/120 V Rated	metric	1
value	hp	
• for single-phase AC motor at 230 V Rated	metric	2
value	hp	
• for three-phase AC motor at 200/208 V Rated	metric	3
value	hp	
<ul> <li>for three-phase AC motor at 220/230 V Rated value</li> </ul>	metric hp	3
• for three-phase AC motor at 460/480 V Rated value	metric hp	7.5

• for three-phase AC motor at 575/600 V Rated	metric	10
value	hp	
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: 63 A
— with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A

Mounting type  Side-by-side mounting  Height  Midth  Mm  Mounting type  Side-by-side mounting  Mounting rail according  Yes  Mm  Mm  Mass  Midth  Mm  Mm  Mass  Midth  Mm  Mm  Mass  Midth  Mm  Midth  Mm  Midth  Mm  Midth  Mm  Midth  Mm  Midth  Mm  Midth	ible on vertical mounting
Mounting type  Side-by-side mounting  Height  Midth  Midth	forward and backward by +/-
mounting rail according  Yes  Height  mm  85  Width  mm  45  Depth  mm  97  Required spacing  with side-by-side mounting  — forwards — Backwards — upwards  mounting rail according  mm  85  mm  97  Rem  0  mm  0  mm  0	
Side-by-side mounting  Height  mm  85  Width  mm  45  Depth  mm  97  Required spacing  with side-by-side mounting  — forwards — Backwards — upwards  mm  0  mm  0	_
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	ng to birt Lit 30022
Width mm 45  Depth mm 97  Required spacing  • with side-by-side mounting  — forwards mm 0  — Backwards mm 0  — upwards mm 0	
Depth     mm     97       Required spacing     • with side-by-side mounting       — forwards     mm     0       — Backwards     mm     0       — upwards     mm     0	
Required spacing  • with side-by-side mounting  — forwards  — Backwards  — upwards  mm  0  mm  0	
<ul> <li>with side-by-side mounting</li> <li>— forwards</li> <li>— Backwards</li> <li>— upwards</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> </ul>	
— forwards       mm       0         — Backwards       mm       0         — upwards       mm       0	
<ul><li>— Backwards</li><li>— upwards</li><li>mm</li><li>0</li><li>mm</li><li>0</li></ul>	
— upwards	
apma.as	
doursurando mm O	
— downwards	
— 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	
— Backwards mm 0	
— upwards mm 0	
— downwards mm 0	
— at the side mm 6	

#### Connections/ Terminals

• for main current circuit     • for auxiliary and control current circuit  Type of connectable conductor cross-section     • for main contacts     — single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for main contacts     — single or multi-stranded     — finely stranded with core end processing     • for auxiliary contacts     — single or multi-stranded     — finely stranded with core end processing     • for auxiliary contacts     — single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coil with AC     • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920 Proportion of dangerous failures     • with low demand rate acc. to SN 31920     • with high demand rate acc. to SN 31920     • with high demand rate acc. to SN 31920     • with high demand rate acc. to SN 31920 Failure rate [FIT] with low demand rate acc. to SN 31920 Product function Mirror contact acc. to IEC 60947-4-1 T1 value for proof test interval or service life acc. to [EC 61508 Protection against electrical shock  Mechanical data: Size of contactor  S0  Ambient conditions: Installation altitude at helght above sea level maximum  Ambient temperature     • during operation     • C    -25 +60     • during storage	Type of electrical connection		
Type of connectable conductor cross-section  • for main contacts  — single or multi-stranded — finely stranded with core end processing • for AWG conductors for main contacts  • single or multi-stranded — finely stranded with core end processing • for auxiliary contacts — single or multi-stranded — finely stranded with core end processing • for AWG conductors for auxiliary contacts — single or multi-stranded — finely stranded with core end processing • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coll with AC • at 50 Hz   Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1 T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature • during operation  *C -25 +60	for main current circuit		screw-type terminals
• for main contacts     — single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for main contacts     • for auxiliary contacts     — single or multi-stranded     — finely stranded with core end processing     • for auxiliary contacts     — single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for auxiliary contacts      — single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coil with AC     • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  finger-safe  Mechanical data:  Size of contactor  S0  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  *C -25 +60	<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type terminals
single or multi-stranded finely stranded with core end processing  • for AWG conductors for main contacts • for auxiliary contacts single or multi-stranded finely stranded with core end processing • for AWG conductors for main contacts  • for auxiliary contacts single or multi-stranded finely stranded with core end processing • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coll with AC • at 50 Hz  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to [EC 61947-4-1]  T1 value for proof test interval or service life acc. to [EC 60947-4-1]  Size of contactor  S0  Ambient conditions: Installation altitude at height above sea level maximum  Ambient temperature • during operation  *C -25 +60	Type of connectable conductor cross-section		
finely stranded with core end processing  • for AWG conductors for main contacts  • for auxillary contacts  single or multi-stranded  finely stranded with core end processing  • for AWG conductors for auxiliary contacts  single or multi-stranded  finely stranded with core end processing  • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coil with AC  • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with ligh demand rate acc	• for main contacts		
• for AWG conductors for main contacts     • for auxiliary contacts     • single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coil with AC     • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures     • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Proportion of the magnet rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with low demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920  • with ligh demand rate acc. to SN 31920      • We see section of the section o	<ul><li>— single or multi-stranded</li></ul>		2x (1 2,5 mm²), 2x (2,5 10 mm²)
• for auxiliary contacts     — single or multi-stranded     — finely stranded with core end processing     • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coll with AC     • at 50 Hz   Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures     • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature     • during operation  *C -25 +60	<ul> <li>finely stranded with core end processing</li> </ul>		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
- single or multi-stranded - finely stranded with core end processing • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coil with AC • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920 • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1 T1 value for proof test interval or service life acc. to IEC 61508 Protection against electrical shock  Mechanical data:  Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature • during operation  2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) 2x (20 16), 2x (18 14)  4x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) 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)  4x (0.5 1,5 mm²), 2x (0.75 2,5 mm²) 2x (20 16), 2x (18 14)  4x (20 16), 2x	<ul> <li>for AWG conductors for main contacts</li> </ul>		2x (16 12), 2x (14 8)
- finely stranded with core end processing  • for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coll with AC  • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  **C C C C-25 +60	<ul> <li>for auxiliary contacts</li> </ul>		
• for AWG conductors for auxiliary contacts  Apparent pick-up power of the magnet coil with AC     • at 50 Hz  V·A 65  Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures     • with low demand rate acc. to SN 31920     • with high demand rate acc. to SN 31920     • with high demand rate acc. to SN 31920     • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature     • during operation  C C -25 +60	<ul> <li>single or multi-stranded</li> </ul>		2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
Apparent pick-up power of the magnet coil with AC  • at 50 Hz  Safety related data:  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  S0  Ambient conditions:  Installation altitude at height above sea level maximum  Amblent temperature  • during operation  V-A 65  1 000 000  1 000 000  1 000 000  4 0  4	<ul> <li>finely stranded with core end processing</li> </ul>		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
* at 50 Hz     * At 50 Hz     * At 50 Hz  B10 value with high demand rate acc. to SN 31920 Proportion of dangerous failures     * with low demand rate acc. to SN 31920     * with high demand rate acc. to SN 31920     * with high demand rate acc. to SN 31920     * with high demand rate acc. to SN 31920     * with low demand rate acc. to SN 31920     * Failure rate [FIT] with low demand rate acc. to SN 31920 Product function Mirror contact acc. to IEC 60947-4-1     **Taylue for proof test interval or service life acc. to IEC 61508 Protection against electrical shock    Mechanical data:	<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>		2x (20 16), 2x (18 14)
Safety related data:  B10 value with high demand rate acc. to SN 31920	Apparent pick-up power of the magnet coil with AC		
B10 value with high demand rate acc. to SN 31920 Proportion of dangerous failures  • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  S0  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  1 000 000  1 000 000  40  40  40  40  40  40  40  40	● at 50 Hz	V·A	65
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 Product function Mirror contact acc. to IEC 60947-4-1 Yes  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock finger-safe  Mechanical data:  Size of contactor S0  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation °C -25 +60	Safety related data:		
with low demand rate acc. to SN 31920	<del>-</del>		1 000 000
● with high demand rate acc. to SN 31920 % 73  Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1 Yes  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock finger-safe  Mechanical data:  Size of contactor S0  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  ● during operation °C -25 +60	Proportion of dangerous failures		
Failure rate [FIT] with low demand rate acc. to SN 31920  Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  S0  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  • C -25 +60	<ul> <li>with low demand rate acc. to SN 31920</li> </ul>		40
Product function Mirror contact acc. to IEC 60947-4-1  T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  S0  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  • during operation  Yes  Yes  20  Installation altitude acc. to y 20  S0  S0  And Solve		%	73
T1 value for proof test interval or service life acc. to IEC 61508  Protection against electrical shock  Mechanical data:  Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  y 20  English acc. to provide acc. to pro		FIT	100
Protection against electrical shock  Mechanical data:  Size of contactor  So  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  finger-safe   m  2 000  max 2 000  cc  -25 +60	Product function Mirror contact acc. to IEC 60947-4-1		Yes
Mechanical data:  Size of contactor  Size of contactor  So  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  or C  -25 +60	-	У	20
Size of contactor  Ambient conditions:  Installation altitude at height above sea level maximum  Ambient temperature  • during operation  S0  m 2 000  column 3 000  colum	Protection against electrical shock		finger-safe
Ambient conditions:  Installation altitude at height above sea level m 2 000 maximum  Ambient temperature  • during operation °C -25 +60	Mechanical data:		
Installation altitude at height above sea level maximum  Ambient temperature  • during operation  m 2 000  c C -25 +60	Size of contactor		S0
maximum   Ambient temperature   ● during operation   °C   -25 +60			
Ambient temperature  ● during operation  °C -25 +60	•	m	2 000
● during operation °C -25 +60			
	•	°C	25 160
during storage	• .		
	during storage	· C	-55 +80
Certificates/ approvals:	Certificates/ approvals:		

### **General Product Approval**

**EMC** 

Functional Safety/Safety of Machinery











Type Examination

Declaration of
Conformity

**Test Certificates** 

**Shipping Approval** 



Type Test
Certificates/Test
Report

Special Test Certificate







## **Shipping Approval**

other



GL



LRS







Environmental Confirmations

other

Confirmation



#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

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=3RT20241AV00

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

http://support.automation.siemens.com/WW/view/en/3RT20241AV00/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=3RT20241AV00&lang=en



