## **SIEMENS**

## Data sheet

## 3RT2027-1DB44-3MA0



CONTACTOR, AC-3, 15KW/400V, 2NO+2NC, 24 V DC, W. INSERTED VARISTOR 3-POLE, SIZE S0 SCREW CONNECTION AUX. SWITCH PERMANENTLY MOUNTED

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-</li> </ul>		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	260
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
Aain 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 $^\circ \text{C}$	А	50
Rated value		
— up to 690 V at ambient temperature 40 °C Rated value	A	50
— up to 690 V at ambient temperature 60 °C Rated value	A	42
• at AC-2 at 400 V Rated value	А	32
• at AC-3		
— at 400 V Rated value	А	32
— 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

• at DC-1		
— at 24 V Rated value	А	35
— at 110 V Rated value	А	35
— at 220 V Rated value	А	35
— at 440 V Rated value	А	2.9
— at 600 V Rated value	А	1.4
• at DC-3 at DC-5		
— at 110 V Rated value	А	35
— at 220 V Rated value	А	10
— at 24 V Rated value	А	35
— at 440 V Rated value	А	0.6
— at 600 V Rated value	А	0.6
Operating power	-	
• at AC-1 at 400 V Rated value	kW	28
• at AC-2 at 400 V Rated value	kW	15
• 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	7.5
— at 400 V Rated value	kW	15
— at 690 V Rated value	kW	18.5
Operating power for $\geq$ 200000 operating cycles at		
AC-4		
• at 400 V Rated value	kW	6
• at 690 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		DC
Control supply voltage for DC		
Rated value	V	24
Operating range factor control supply voltage rated		0.8 1.1
value of the magnet coil for DC		with verieter
Design of the surge suppressor Closing power of the magnet coil for DC	W	with varistor 5.9
Holding power of the magnet coil for DC	W	5.9
	vv	0.0

Auxiliary circuit:			
Number of NC contacts			
<ul> <li>for auxiliary contacts</li> </ul>			
— instantaneous contact		2	
Number of NO contacts			
<ul> <li>for auxiliary contacts</li> </ul>			
— instantaneous contact		2	
Product expansion Auxiliary switch		No	
Operating current at AC-15			
• at 230 V Rated value	А	6	
● at 400 V Rated value	А	3	
• at 690 V Rated value	А	1	
Operating current			
<ul> <li>at DC-12 at 125 V Rated value</li> </ul>	А	2	
<ul> <li>at DC-12 at 220 V Rated value</li> </ul>	А	1	
<ul> <li>at DC-12 at 600 V Rated value</li> </ul>	А	0.15	
<ul> <li>at DC-13 at 125 V Rated value</li> </ul>	А	0.9	
<ul> <li>at DC-13 at 220 V Rated value</li> </ul>	А	0.3	
• at DC-13 at 600 V Rated value	А	0.1	
Operating current			
• at DC-12			
— at 60 V Rated value	А	6	
— at 110 V Rated value	А	3	
• at DC-13			
— at 24 V Rated value	А	6	
— at 60 V Rated value	А	2	
— at 110 V Rated value	А	1	
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)	

UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	А	27
• 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	2
<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

valuehp metric hp• for three-phase AC motor at 575/000 V Rate valuemetric hp25• Contact rating of the auxiliary contacts acc. to ULA600 / 0600Short-circuitShort-circuit• for short-circuit protection of the main circuit - with type of assignment 1 requiredJL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A- with type of assignment 2 required requiredJL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A• for short-circuit protection of the auxiliary switch requiredVISEQUE (S): 10 AInstallation/ mounting/ dimensions:*/180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting onto 35 mm standard mounting surfaceMounting type - Side-by-side mountingmm• Side-by-side mountingmmHeightmmRequired specing - with side by-side mountingmm• for yardsmm0- at the side• upwardsmm0- at the side• of or grounded partsmm- forwardsmm0- at the side• for grounded partsmm- forwardsmm- at the sidemm0- at the side- forwardsmm-	• for three-phase AC motor at 460/480 V Rated	metric	20
value         hp           Contact rating of the auxiliary contacts acc. to UL         A600 / Q600           Short-circuit         Event of a short-circuit protection of the main circuit         gLigG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A           - with type of assignment 1 required         gLigG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A         if or short-circuit protection of the auxiliary switch required           • for short-circuit protection of the auxiliary switch required         */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 on 03 sm standard mounting rail according to DIN EN 50022           • Side-by-side mounting         mm           Mounting type         screw and snap-on mounting ourface; can be tilted forward and backward by +/- 22.5° on vertical mounting on 03 sm standard mounting rail according to DIN EN 50022           • Side-by-side mounting         mm           Mounting type         screw and snap-on mounting on 03 sm standard mounting rail according to DIN EN 50022           • Side-by-side mounting         mm           • with side-by-side mounting         mm           • orwards         mm           • forwards         mm           • for grounded parts         mm           - forwards         mm           - forwards         mm <tr< td=""><td></td><td>hp</td><td></td></tr<>		hp	
Short-circuit:         Design of the fuse link         - with type of assignment 1 required         - with type of assignment 2 required         - with type of assignment 2 required         - for short-circuit protection of the auxiliary switch required         restallation/ mounting/ dimensions:         mounting position         */-180° rotation possible on vertical mounting surface: can be titled forward and backward by +/- 22.5° on vertical mounting surface; can be titled forward and backward by +/- 22.5° on vertical mounting surface; can be titled forward and backward by +/- 22.5° on vertical mounting surface         Mounting type       screw and snap-on mounting onto 35 mm standard mounting surface         • Side-by-side mounting       Yes         Height       mm       45         Depth       mm       151         Required specing       with side-by-side mounting          • for grounded parts       mm       0         - downwards       mm       0         - at the side       mm       0         - at the side       mm       6         - downwards       mm       0         - downwards       mm       0         - at the side       mm       0         - at the side       mm       0         - at the side			25
Design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of assignment 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 A           • for short-circuit protection of the auxiliary switch required         gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A           fuse gL/gG: 10 A              fuse gL/gG: 10 A           Installation/ mounting/ dimensions: <ul> <li>mounting position</li> <li>*/*180* rotation possible on vertical mounting surface; can be titled forward and backward by +/-22.5* on vertical mounting surface; can be titled forward and backward by +/-22.5* on vertical mounting onto 35 mm standard mounting rail according to DIN EN 50022</li> <li>Yes</li> </ul> <li>Height</li> <li>mm</li> <li>Mass defined speacing</li> <li>with side-by-side mounting</li> <li>for grounded parts</li> <li>mm</li> <li>downwards</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>at the</li>	Contact rating of the auxiliary contacts acc. to UL	-	A600 / Q600
• for short-circuit protection of the main circuit         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           Installator/ mounting/ dimensions:         */180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface; scan be tilted forward and backward by +/-22.5° on vertical mounting onto 35 mm standard mounting rail according to DIN EN 50022           • Side-by-side mounting         mm           Height         mm           Mounting type         Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022           • Side-by-side mounting         mm           - forwards         mm           - forwards         mm           - forwards         mm           - for grounded parts         mm           - at the side         mm           - upwards         mm           - at the side         mm           - upwards         mm           - forwards         mm           - forwards         mm           - forwards         mm           - forwards         mm	Short-circuit:		
with type of assignment 1 requiredgL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 100 Awith type of assignment 2 requiredgL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 3S A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 AInstallation/ mounting / dimensions:+/-180° rotation possible on vertical mounting surface; can be lited forward and backward by +/- 22.5° on vertical mounting surfaceMounting typescrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022• Side-by-side mountingmmHeightmmRequired spacingVes• with side-by-side mountingmm- forwardsmm- of orwardsmm- of orwardsmm </td <td>Design of the fuse link</td> <td></td> <td></td>	Design of the fuse link		
with type of assignment 2 required     100 Å      with type of assignment 2 required     gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 Å       * for short-circuit protection of the auxiliary switch required     fuse gL/gG: 10 Å       Installation/ mounting/ dimensions:     #/-180* rotation possible on vertical mounting surface: can be tilted forward and backward by +/-22.5* on vertical mounting surface       Mounting type     surface; can be tilted forward and backward by +/-22.5* on vertical mounting surface       Yes     serew and snap-on mounting out 35 nm standard mounting rail according to DIN EN 50022       • Side-by-side mounting     Yes       Height     mm       Required spacing     Yes       • with side-by-side mounting     mm       - forwards     mm       - forwards     mm       - forwards     mm       - downwards     mm       - at the side     mm       - forwards     mm       - forwards     mm       - forwards     mm       - forwards     mm       - at the side     mm       - at the side     mm       - forwards     mm       - forwards     mm       - forwards     mm       - at the side     mm       - at the side     mm       - forwards     mm       - at the sid	<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
• for short-circuit protection of the auxiliary switch required       35 Å         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 10 Å         Installation/ mounting/ dimensions:       +/-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 nm standard mounting rail according to DIN EN 50022         • Side-by-side mounting       mm         Height       mm         Width       mm         - forwards       mm         - forwards       mm         - downwards       mm         - at the side       mm         - forwards       mm         - forwards       mm         - at the side       mm         - downwards       mm         - at the side       mm         - at the side       mm         - downwards       mm         - at the side       mm	— with type of assignment 1 required		
required       Image: Constraint of the second	— with type of assignment 2 required		
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       151         Required spacing       -         • with side-by-side mounting       mm         — forwards       mm         — forwards       mm         — downwards       mm         — downwards       mm         — for grounded parts       -         — forwards       mm         — forwards       mm         — at the side       mm         — downwards       mm         — at wards       mm         — at wards       mm         — at wards       mm         — at the side       mm			fuse gL/gG: 10 A
mounting position       +/-180° rotation possible on vertical mounting surface; can be tilled forward and backward by +/- 22.5° on vertical mounting surface         Mounting type       screare wand 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       151         Required spacing           • with side-by-side mounting       mm       0         — forwards       mm       0         — upwards       mm       0         — at the side       mm       0         — forwards       mm       0         — at the side       mm       0         — downwards       mm       0         — at the side       mm       0         — at the side       mm       0         — downwards       mm       0         — at the side       mm       6         — downwards       mm       0         — at the side       mm       0         — at the side       mm       6         — at the side       mm       0         — at the side <td< td=""><td>Installation (mounting / dimensiona)</td><td>_</td><td></td></td<>	Installation (mounting / dimensiona)	_	
Mounting typesurface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfaceMounting typescrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 YesHeightmm85Widthmm45Depthmm151Required spacing• with side-by-side mountingmm0- forwardsmm0- forwardsmm0- downwardsmm0- downwardsmm0- downwardsmm0- forwardsmm0- downwardsmm0- at the sidemm0- forwardsmm0- at the sidemm0- at the sidemm0- forwardsmm0- at the sidemm0- at the sidemm <td></td> <td></td> <td>+/-180° rotation possible on vertical mounting</td>			+/-180° rotation possible on vertical mounting
Side-by-side mountingmounting rail according to DIN EN 50022Heightmm85Widthmm45Depthmm151Required spacing-• with side-by-side mounting forwardsmm0- forwardsmm0- gackwardsmm0- downwardsmm0- at the sidemm0- forwardsmm0- forwardsmm0- at the sidemm0- forwardsmm0- forwardsmm0- at the sidemm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- at the sidemm0- at the sidemm6- downwardsmm0- at the sidemm6- downwardsmm0- at the sidemm0- at the sidemm6- downwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- gackwardsmm0- gackwardsmm0- gackwardsmm0- gackwardsmm0- gackw			surface; can be tilted forward and backward by +/-
Heightmm85Widthmm45Depthmm151Required spacing• with side-by-side mounting- forwardsmm0- forwardsmm0- gackwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0- forwardsmm0- forwardsmm0- at the sidemm0- forwardsmm0- at the sidemm0- at the sidemm0 <t< td=""><td>Mounting type</td><td>-</td><td></td></t<>	Mounting type	-	
Widthmm45Depthmm151Required spacing• with side-by-side mounting- forwardsmm0- forwardsmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0- for grounded parts forwardsmm0- notwardsmm0- at the sidemm0- forwardsmm0- at the sidemm0- at the sidemm0- notwardsmm0- at the sidemm0- notwardsmm0- at the sidemm0- notwardsmm0- notwardsmm0- at the sidemm0- notwardsmm0- notwardsmm0- forwardsmm0- notwardsmm0- notwardsmm0 </td <td><ul> <li>Side-by-side mounting</li> </ul></td> <td></td> <td>Yes</td>	<ul> <li>Side-by-side mounting</li> </ul>		Yes
Depthmm151Required spacing• with side-by-side mountingmm- forwardsmm- forwardsmm- Backwardsmm- upwardsmm- downwardsmm- downwardsmm- at the sidemm- for grounded parts forwardsmm- forwardsmm- forwardsmm- forwardsmm- forwardsmm- forwardsmm- at the sidemm- forwardsmm- hownwardsmm- at the sidemm- backwardsmm- at the sidemm- backwardsmm- at the sidemm- at the sidemm </td <td>Height</td> <td>mm</td> <td>85</td>	Height	mm	85
Required spacingImage: Spacing in the side by-side mounting- forwardsmm0- backwardsmm0- upwardsmm0- downwardsmm0- downwardsmm0- at the sidemm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- at the sidemm0- upwardsmm0- at the sidemm6- downwardsmm0- for live partsmm0- forwardsmm0- forwards	Width	mm	45
with side-by-side mountingImm0- forwardsmm0- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0• for grounded partsImm0- forwardsmm0- Backwardsmm0- Backwardsmm0- at the sidemm0- forwardsmm0- at the sidemm0- upwardsmm0- at the sidemm0- at the sidemm0- for live partsImm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- marksmm0- marksmm	Depth	mm	151
- forwardsmm0- Backwardsmm0- upwardsmm0- downwardsmm0- downwardsmm0- at the sidemm0• for grounded parts forwardsmm0- Backwardsmm0- upwardsmm0- at the sidemm0- at the sidemm0- at the sidemm6- downwardsmm0- for live parts forwardsmm0- Backwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- markersimm0-	Required spacing	-	
- Backwardsmm0- upwardsmm0- downwardsmm0- at the sidemm0- at the sidemm0- for grounded parts forwardsmm0- Backwardsmm0- upwardsmm0- at the sidemm6- downwardsmm0- at the sidemm6- downwardsmm0- for live parts forwardsmm0- Backwardsmm0- markets forwardsmm0- markets forwardsmm0- markets upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0- upwardsmm0	<ul> <li>with side-by-side mounting</li> </ul>		
Section and ofmm0- upwardsmm0- downwardsmm0- at the sidemm0• for grounded parts forwardsmm0- Backwardsmm0- upwardsmm0- at the sidemm0- at the sidemm6- downwardsmm0- for live parts forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- forwardsmm0- marksmm0- marksmm0- marksmm0- marksmm0- marksmm0- marksmm0- marksmm0- marksmm0	— forwards	mm	0
downwardsmm0 at the sidemm0 for grounded parts forwardsmm0 Backwardsmm0 upwardsmm0 at the sidemm6 downwardsmm0 forwardsmm0 forwardsmm0 forwardsmm0 forwardsmm0 forwardsmm0 Backwardsmm0 mupwardsmm0 mupwardsmm0 mupwardsmm0 mupwardsmm0	— Backwards	mm	0
- at the sidemm0• for grounded partsmm0- forwardsmm0- Backwardsmm0- upwardsmm0- at the sidemm6- downwardsmm0• for live partsmm0- forwardsmm0- forwardsmm0- forwardsmm0- nowardsmm0- nowardsmm0- nowardsmm0- nowardsmm0- nowardsmm0- nowardsmm0	— upwards	mm	0
• for grounded partsmm0- forwardsmm0- Backwardsmm0- upwardsmm0- at the sidemm6- downwardsmm0• for live parts forwardsmm0- Backwardsmm0- upwardsmm0- forwardsmm0- forwardsmm0- upwardsmm0- upwardsmm0	— downwards	mm	0
forwardsmm0 Backwardsmm0 upwardsmm0 at the sidemm6 downwardsmm0 forwardsmm0 forwardsmm0 Backwardsmm0 Backwardsmm0 hywardsmm0 hywardsmm0 hywardsmm0 hywardsmm0 hywardsmm0	— at the side	mm	0
Backwardsmm0upwardsmm0at the sidemm6downwardsmm0for live partsforwardsmm0Backwardsmm0upwardsmm0mupwardsmm0mupwardsmm0mupwardsmm0	<ul> <li>for grounded parts</li> </ul>		
upwardsmm0 at the sidemm6 downwardsmm0• for live parts forwardsmm0 Backwardsmm0 upwardsmm0	— forwards	mm	0
	— Backwards	mm	0
- downwardsmm0• for live partsmm0- forwardsmm0- Backwardsmm0- upwardsmm0	— upwards	mm	0
<ul> <li>for live parts</li> <li>forwards</li> <li>mm</li> <li>Backwards</li> <li>mm</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> <li>0</li> </ul>	— at the side	mm	6
forwardsmm0 Backwardsmm0 upwardsmm0	— downwards	mm	0
— Backwardsmm0— upwardsmm0	• for live parts		
— upwards mm 0	— forwards	mm	0
— upwards mm 0	— Backwards	mm	0
		mm	0
		mm	0

— at the side	mm	6
Connections/ Terminals:		
Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		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)
<ul> <li>— finely stranded with core end processing</li> </ul>		2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
<ul> <li>for AWG conductors for main contacts</li> </ul>		2x (16 12), 2x (14 8)
<ul> <li>for auxiliary contacts</li> </ul>		
— 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)
<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		1 000 000
Proportion of dangerous failures		
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	%	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
Mechanical data:		
Size of contactor		S0
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature	° <b>0</b>	25
during operation	°C	-25 +60
during storage	°C	-55 +80
Certificates/ approvals:		

General Product	t Approval			EMC	Functional Safety/Safety of Machinery	
	CSA		EHC	C-TICK	Type Examination	
Declaration of	Test	Shipping App	Shipping Approval			
Conformity	Certificates					
EG-Konf.	Special Test Certificate	ABS	B U R E A U V E R I T A S	DNV DNV	GL	
Shipping Approv	/al			other		
Llovd's Register LRS	PRS	RINA	RMRS	Environmental Confirmations		

Further information

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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=3RT20271DB443MA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT20271DB443MA0/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=3RT20271DB443MA0&lang=en



