



EA Electric Automation

Automation specialists

Reference: 3RT2023-4XJ40-0LA2

CONT. F. RAILW. A., AC-3, 4KW/400V, 1NO +1NC, W.SOLID-STATE OPERATING MECHANI DC 72V, 0,7...1,25*US, M. VARISTOR INTEGRATED, 3-POLE SIZE S0, RING-LUG CONN

Buy it at Electric Automation Network



product brand name	SIRIUS
Product designation	3RT2 contactor
General technical data:	
Size of contactor	S0
Product extension	
function module for communication	No
Auxiliary switch	Yes
Insulation voltage	
rated value	690 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
between coil and main contacts acc. to EN 60947-1	400 V
Protection class IP	
on the front	IPOO
of the terminal	IPOO
Shock resistance	
at rectangular impulse	
— at DC	10g / 5 ms, 7,5g / 10 ms
with sine pulse	
— at DC	15g / 5 ms, 10g / 10 ms

Mechanical service life (switching cycles)	
of contactor typical	10 000 000
of the contactor with atd>	5 000 000
of the contactor with atd>	10 000 000
Ambient conditions:	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
during operation	-40 +70 °C
during storage	-55 +80 °C
Main circuit:	
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating voltage	
at AC-3 rated value maximum	690 V
Operating current	
at AC-1 at 400 V	
- at ambient temperature 40 °C rated value	40 A
at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
at AC-2 at 400 V rated value	9 A
at AC-3	
— at 400 V rated value	9 A
— at 500 V rated value	9 A
— at 690 V rated value	9 A
Connectable conductor cross-section in main circuit at AC-1	
at 60 °C minimum permissible	10 mm²
at 40 °C minimum permissible	10 mm²
Operating current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
Operating current	
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A

- at 400 V rated value0.4 A- at 600 V rated value0.25 Awith 2 current paths in series at DC-135 A- at 210 V rated value35 A- at 240 V rated value5 A- at 240 V rated value0.8 Awith 3 current paths in series at DC-1 at 240 V rated value35 A- at 40 V rated value0.8 Awith 3 current paths in series at DC-1 at 240 V rated value35 A- at 240 V rated value35 A- at 220 V rated value35 A- at 220 V rated value35 A- at 220 V rated value29 A- at 400 V rated value20 A- at 10 V rated value20 A- at 10 V rated value20 A- at 220 V rated value0.09 A- at 400 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 400 V rated value15 A- at 220 V rated value33 A- at 240 V rated value35 A- at 400 V rated value10 A- at 400 V rated value35 A- at 200 V rated value35 A- at 200 V		
with 2 current paths in series at DC-1- at 24 V rated value35 A- at 110 V rated value35 A- at 220 V rated value1 A- at 600 V rated value0.8 Awith 3 current paths in series at DC-1 at 24 V rated value35 A- at 110 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 24 V rated value35 A- at 110 V rated value25 A- at 24 V rated value29 A- at 400 V rated value1.4 AOperating current20 A- at 110 V rated value20 A- at 24 V rated value0.09 A- at 440 V rated value0.09 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 440 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value0.27 A- at 20 V rated value0.27 A- at 20 V rated value0.27 A- at 20 V rated value35 A- at 20 V rated value0.6 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 20 V	— at 440 V rated value	0.4 A
- at 24 V rated value35 A- at 110 V rated value35 A- at 220 V rated value5 A- at 440 V rated value1 A- at 600 V rated value0.8 Awith 3 current paths in series at DC-1 at 24 V rated value35 A- at 110 V rated value35 A- at 440 V rated value35 A- at 220 V rated value35 A- at 200 V rated value29 A- at 440 V rated value14 AOperating current14 AOperating current20 A- at 110 V rated value20 A- at 110 V rated value20 A- at 24 V rated value20 A- at 110 V rated value0.09 A- at 440 V rated value0.09 A- at 440 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value16 Awith 2 current paths in series at DC-3 at DC-5- at 440 V rated value16 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value10 A- at 440 V rated value35 A- at 440 V rated value	— at 600 V rated value	0.25 A
- at 110 V rated value35 A- at 220 V rated value5 A- at 440 V rated value0.8 Awith 3 current paths in series at DC-1 at 24 V rated value35 A- at 110 V rated value35 A- at 220 V rated value35 A- at 440 V rated value29 A- at 440 V rated value14 AOperating current20 A- at 220 V rated value20 A- at 440 V rated value20 A- at 220 V rated value14 AOperating current20 A- at 220 V rated value0.09 A- at 440 V rated value0.09 A- at 440 V rated value0.09 A- at 400 V rated value15 A- at 220 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 410 V rated value15 A- at 420 V rated value16 Awith 2 current paths in series at DC-3 at DC-5- at 100 V rated value15 A- at 440 V rated value16 Awith 3 current paths in series at DC-3 at DC-5- at 440 V rated value35 A- at 440 V rated value0.6 AOperating power0.6 A- at 420 V rated value	with 2 current paths in series at DC-1	
- at 220 V rated value5 A- at 400 V rated value1 A- at 600 V rated value0.8 Awith 3 current paths in series at DC-135 A- at 24 V rated value35 A- at 110 V rated value35 A- at 220 V rated value35 A- at 440 V rated value2.9 A- at 600 V rated value1.4 AOperating current1.4 Aat 1 current path at DC-3 at DC-5- at 220 V rated value2.0 A- at 110 V rated value2.0 A- at 220 V rated value1.4 AOperating current2.5 A- at 440 V rated value0.09 A- at 440 V rated value0.09 A- at 440 V rated value0.09 A- at 440 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 220 V rated value35 A- at 440 V rated value35 A- at 220 V rated value35 A- at 220 V rated value35 A- at 220 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 220 V rated value35 A- at 440 V rated value0.6 A- at 440 V rated value0.6 A	— at 24 V rated value	35 A
- at 440 V rated value1 A- at 600 V rated value0.8 Awith 3 current paths in series at DC-135 A- at 24 V rated value35 A- at 110 V rated value35 A- at 220 V rated value35 A- at 440 V rated value2.9 A- at 600 V rated value1.4 AOperating current20 A- at 110 V rated value2.5 A- at 220 V rated value2.0 A- at 110 V rated value0.09 A- at 440 V rated value0.06 A- at 440 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 420 V rated value0.06 A- at 420 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3A- at 220 V rated value3A- at 220 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value35 A- at 220 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 220 V rated value35 A- at 220 V rated value35 A- at 440 V rated value <td> — at 110 V rated value </td> <td>35 A</td>	 — at 110 V rated value 	35 A
- at 600 V rated value0.8 Awith 3 current paths in series at DC-135 A- at 24 V rated value35 A- at 110 V rated value35 A- at 220 V rated value35 A- at 440 V rated value2.9 A- at 600 V rated value1.4 AOperating current20 A- at 110 V rated value20 A- at 220 V rated value20 A- at 110 V rated value20 A- at 220 V rated value1.4 AOperating current2.5 A- at 220 V rated value0.09 A- at 440 V rated value0.09 A- at 460 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 220 V rated value0.27 A- at 440 V rated value0.27 A- at 440 V rated value35 A- at 410 V rated value35 A- at 410 V rated value35 A- at 440 V rated value0.6 Awith 3 current paths in series at DC-3 at DC-5- at 440 V rated value35 A- at 440 V rated value35 A- at 220 V rated value0.6 A- at 220 V rated value0.6 A- at 230 V rated value0.6 A- at 420 V rated v	- at 220 V rated value	5 A
with 3 current paths in series at DC-1 35 A - at 110 V rated value 35 A - at 220 V rated value 35 A - at 220 V rated value 2.9 A - at 600 V rated value 1.4 A Operating current 1.4 A at 1 current path at DC-3 at DC-5 - - at 220 V rated value 2.0 A - at 210 V rated value 2.0 A - at 220 V rated value 0.0 A - at 220 V rated value 0.09 A - at 200 V rated value 0.06 A with 2 current paths in series at DC-3 at DC-5 - - at 110 V rated value 15 A - at 220 V rated value 3 A - at 220 V rated value 3 A - at 24 V rated value 35 A - at 24 V rated value 35 A - at 440 V rated value 0.16 A with 3 current paths in series at DC-3 at DC-5 - - at 200 V rated value 35 A - at 21	— at 440 V rated value	1 A
- at 24 V rated value 35 A - at 110 V rated value 35 A - at 220 V rated value 35 A - at 440 V rated value 2.9 A - at 600 V rated value 1.4 A Operating current 14 A at 1 current path at DC-3 at DC-5 - - at 220 V rated value 20 A - at 110 V rated value 20 A - at 220 V rated value 1.4 A Operating current 1.4 A - at 220 V rated value 20 A - at 220 V rated value 0.09 A - at 220 V rated value 0.09 A - at 440 V rated value 0.09 A - at 200 V rated value 0.09 A - at 210 V rated value 0.09 A - at 440 V rated value 0.27 A - at 220 V rated value 0.16 A with 3 current paths in series at DC-3 at DC-5 - - at 440 V rated value 35 A - at 440 V rated value 0.16 A with 3 current paths in series at DC-3 at DC-5 - - at 440 V rated value 35 A - at 220 V rated val	— at 600 V rated value	0.8 A
- at 110 V rated value35 A- at 220 V rated value35 A- at 440 V rated value2.9 A- at 600 V rated value1.4 AOperating current14 Aat 1 current path at DC-3 at DC-5- at 24 V rated value20 A- at 110 V rated value2.5 A- at 440 V rated value0.09 A- at 440 V rated value0.09 A- at 440 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 220 V rated value15 A- at 220 V rated value3.0- at 440 V rated value0.09 A- at 110 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 440 V rated value3.5 A- at 220 V rated value3.6- at 220 V rated value3.6- at 220 V rated value3.6 A- at 220 V rated value3.6 A- at 440 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 440 V rated value35 A- at 440 V rated value35 A- at 440 V rated value0.6 A- at 440 V rated value0.6 A- at 440 V rated value0.6 A- at 420 V rated value0.6 A- at 420 V rated value0.6 A- at 230 V rated value13.3 kW- at 230 V rated value13.3 kW	with 3 current paths in series at DC-1	
- at 220 V rated value 35 A - at 400 V rated value 2.9 A - at 600 V rated value 1.4 A Operating current 1.4 A at 1 current path at DC-3 at DC-5 - - at 24 V rated value 20 A - at 110 V rated value 2.5 A - at 220 V rated value 1.4 - at 220 V rated value 0.09 A - at 600 V rated value 0.09 A - at 600 V rated value 0.06 A with 2 current paths in series at DC-3 at DC-5 - - at 220 V rated value 15 A - at 220 V rated value 36 A - at 220 V rated value 15 A - at 220 V rated value 35 A - at 24 V rated value 0.27 A - at 600 V rated value 0.16 A with 3 current paths in series at DC-3 at DC-5 - - at 220 V rated value 35 A - at 24 V rated value 0.6 A with 3 current paths in series at DC-3 at DC-5 - - at 400 V rated value 0.6 A - at 200 V rated value 0.6 A	— at 24 V rated value	35 A
- at 440 V rated value2.9 A- at 600 V rated value1.4 AOperating current1.4 Aat 1 current path at DC-3 at DC-5- at 24 V rated value20 A- at 110 V rated value2.5 A- at 220 V rated value1 A- at 400 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 220 V rated value16 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value35 A- at 220 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value35 A- at 220 V rated value0.6 A- at 220 V rated value0.6 A- at 220 V rated value0.6 A- at 400 V rated value0.6 A- at 230 V rated value13.3 kW- at 230 V rated value13.3 kW	— at 110 V rated value	35 A
- at 600 V rated value1.4 AOperating current-at 1 current path at DC-3 at DC-5 at 24 V rated value20 A- at 110 V rated value2.5 A- at 220 V rated value1 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 220 V rated value15 A- at 24 V rated value3 A- at 24 V rated value0.07 A- at 24 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 240 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 200 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 200 V rated value0.6 A- at 200 V rated value10 A- at 210 V rated value0.6 A- at 220 V rated value0.6 A- at 230 V rated value0.6 AOperating power13.3 kW- at 230 V rated value13.3 kW	— at 220 V rated value	35 A
Operating currentat 1 current path at DC-3 at DC-5- at 24 V rated value20 A- at 110 V rated value2.5 A- at 220 V rated value1 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 220 V rated value15 A- at 24 V rated value3 A- at 24 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 400 V rated value0.27 A- at 240 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 210 V rated value0.16 Awith 4 current paths in series at DC-3 at DC-5- at 24 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 200 V rated value0.6 A- at 220 V rated value10 A- at 240 V rated value0.6 A- at 240 V rated value0.6 A- at 240 V rated value0.6 A- at 230 V rated value13.3 kW- at 230 V rated value13.3 kW	— at 440 V rated value	2.9 A
at 1 current path at DC-3 at DC-5- at 24 V rated value20 A- at 110 V rated value2.5 A- at 220 V rated value1 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 220 V rated value0.27 A- at 440 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value0.27 A- at 220 V rated value0.6 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value0.6 A- at 220 V rated value35 A- at 220 V rated value10 A- at 220 V rated value10 A- at 220 V rated value13 A	— at 600 V rated value	1.4 A
- at 24 V rated value20 A- at 110 V rated value2.5 A- at 220 V rated value1 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 220 V rated value0.27 A- at 440 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value0.27 A- at 220 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 220 V rated value0.6 A- at 220 V rated value0.6 A- at 24 V rated value0.6 A- at 240 V rated value0.6 A- at 420 V rated value13.3 kW- at 230 V rated value13.3 kW	Operating current	
- at 110 V rated value2.5 A- at 220 V rated value1 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 440 V rated value0.66 A- at 220 V rated value10 A- at 24 V rated value35 A- at 220 V rated value0.6 A- at 240 V rated value10 A- at 240 V rated value13.3 kW- at 230 V rated value13.3 kW	at 1 current path at DC-3 at DC-5	
- at 220 V rated value1 A- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 24 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value0.6 A- at 220 V rated value10.4- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 220 V rated value0.6 A- at 240 V rated value0.6 A- at 240 V rated value0.6 A- at 400 V rated value0.16 A	— at 24 V rated value	20 A
- at 440 V rated value0.09 A- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value0.6 A- at 220 V rated value0.6 A- at 24 V rated value10 A- at 24 V rated value0.6 A- at 440 V rated value0.6 A- at 400 V rated value0.16 A	— at 110 V rated value	2.5 A
- at 600 V rated value0.06 Awith 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value0.6 A- at 24 V rated value0.6 A- at 440 V rated value0.6 A- at 220 V rated value0.6 A- at 230 V rated value13.3 kW- at 230 V at 60 °C rated value13.3 kW	— at 220 V rated value	1 A
with 2 current paths in series at DC-3 at DC-5- at 110 V rated value15 A- at 220 V rated value3 A- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5 at 110 V rated value10 A- at 220 V rated value0.6 A- at 24 V rated value0.6 A- at 440 V rated value0.6 A- at 20 V rated value13.3 kW	— at 440 V rated value	0.09 A
- at 110 V rated value15 A- at 220 V rated value3 A- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value10 A- at 24 V rated value0.6 A- at 600 V rated value0.6 A- at 24 V rated value13.3 kW- at 230 V rated value13.3 kW	— at 600 V rated value	0.06 A
- at 220 V rated value3 A- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value10 A- at 24 V rated value35 A- at 24 V rated value0.6 A- at 600 V rated value0.6 A- at 20 V rated value13.3 kW	with 2 current paths in series at DC-3 at DC-5	
- at 24 V rated value35 A- at 440 V rated value0.27 A- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value10 A- at 24 V rated value35 A- at 24 V rated value0.6 A- at 600 V rated value0.6 A- at 600 V rated value13.3 kW- at 230 V rated value13.3 kW	— at 110 V rated value	15 A
 at 440 V rated value 0.27 A at 600 V rated value 0.16 A with 3 current paths in series at DC-3 at DC-5 at 110 V rated value 35 A at 220 V rated value 10 A at 24 V rated value 35 A at 440 V rated value 0.6 A at 600 V rated value 0.6 A Operating power at AC-1 at AC-1 at 230 V rated value 13.3 kW at 230 V at 60 °C rated value 	— at 220 V rated value	3 A
- at 600 V rated value0.16 Awith 3 current paths in series at DC-3 at DC-535 A- at 110 V rated value35 A- at 220 V rated value10 A- at 24 V rated value35 A- at 440 V rated value0.6 A- at 600 V rated value0.6 AOperating power13.3 kW- at 230 V rated value13.3 kW	— at 24 V rated value	35 A
with 3 current paths in series at DC-3 at DC-5- at 110 V rated value35 A- at 220 V rated value10 A- at 24 V rated value35 A- at 440 V rated value0.6 A- at 600 V rated value0.6 AOperating power0.4at AC-113.3 kW- at 230 V rated value13.3 kW	— at 440 V rated value	0.27 A
- at 110 V rated value35 A- at 220 V rated value10 A- at 24 V rated value35 A- at 440 V rated value0.6 A- at 600 V rated value0.6 AOperating power0.6 Aat AC-1- at 230 V rated value- at 230 V rated value13.3 kW- at 230 V at 60 °C rated value13.3 kW	— at 600 V rated value	0.16 A
- at 220 V rated value10 A- at 24 V rated value35 A- at 440 V rated value0.6 A- at 600 V rated value0.6 AOperating power0.6 Aat AC-1- at 230 V rated value- at 230 V rated value13.3 kW- at 230 V at 60 °C rated value13.3 kW	with 3 current paths in series at DC-3 at DC-5	
- at 24 V rated value35 A- at 440 V rated value0.6 A- at 600 V rated value0.6 AOperating power0.6 Aat AC-1- at 230 V rated value- at 230 V rated value13.3 kW- at 230 V at 60 °C rated value13.3 kW	— at 110 V rated value	35 A
- at 440 V rated value0.6 A- at 600 V rated value0.6 AOperating power	— at 220 V rated value	10 A
- at 600 V rated value 0.6 A Operating power - at 230 V rated value - at 230 V rated value 13.3 kW - at 230 V at 60 °C rated value 13.3 kW	— at 24 V rated value	35 A
Operating power at AC-1 - at 230 V rated value 13.3 kW - at 230 V at 60 °C rated value	— at 440 V rated value	0.6 A
at AC-1 - at 230 V rated value 13.3 kW - at 230 V at 60 °C rated value 13.3 kW	— at 600 V rated value	0.6 A
- at 230 V rated value 13.3 kW - at 230 V at 60 °C rated value 13.3 kW	Operating power	
- at 230 V at 60 °C rated value 13.3 kW	at AC-1	
	— at 230 V rated value	13.3 kW
- at 400 V rated value 23 kW	— at 230 V at 60 °C rated value	13.3 kW
	— at 400 V rated value	23 kW

— at 400 V at 60 °C rated value	23 kW
— at 690 V rated value	40 kW
— at 690 V at 60 °C rated value	40 kW
at AC-2 at 400 V rated value	4 kW
at AC-3	
— at 230 V rated value	2.2 kW
— at 400 V rated value	4 kW
— at 690 V rated value	7.5 kW
Operating power for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2 kW
at 690 V rated value	2.5 kW
Thermal short-time current limited to 10 s	80 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	0.4 W
No-load switching frequency	
at DC	1 500 1/h
Operating frequency	
at AC-1 maximum	1 000 1/h
at AC-2 maximum	1 000 1/h
at AC-3 maximum	1 000 1/h
at AC-4 maximum	300 1/h
Control circuit/ Control:	
Type of voltage of the control supply voltage	DC
Control supply voltage at DC	
rated value	72 V
Operating range factor control supply voltage rated value of magnet coil at DC	0.7 1.25
Design of the surge suppressor	with varistor
Closing power of magnet coil at DC	5.9 W
Holding power of magnet coil at DC	5.9 W
Closing delay	
at DC	50 170 ms
Opening delay	
at DC	15 17.5 ms
Arcing time	10 10 ms
Residual current of the electronics for control with signal <0>	
at AC at 230 V maximum permissible	6 mA

Auxiliary circuit:	
Number of NC contacts	
for auxiliary contacts	
— instantaneous contact	1
Number of NO contacts	
for auxiliary contacts	
— instantaneous contact	1
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
at 230 V rated value	10 A
at 400 V rated value	3 A
at 500 V rated value	2 A
at 690 V rated value	1 A
Operating current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
Operating current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings:	
Full-load current (FLA) for three-phase AC motor	
at 480 V rated value	7.6 A
at 600 V rated value	9 A
Yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	1 hp
— at 230 V rated value	1 hp

for three-phase AC motor	
- at 200/208 V rated value	2 hp
– at 220/230 V rated value	3 hp
— at 460/480 V rated value	5 hp
- at 575/600 V rated value	7.5 hp
Contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
Design of the fuse link	
for short-circuit protection of the main circuit	
- with type of coordination 1 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63 A
— with type of assignment 2 required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 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	85 mm
Witd>	45 mm
Depth	107 mm
Required spacing	
with side-by-side mounting	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm

— downwards	0 mm
— at the side	6 mm
Connections/Terminals:	
Type of electrical connection	
for main current circuit	ring cable connection
for auxiliary and control current circuit	ring cable connection
Safety related data:	
B10 value	
with high demand rate acc. to SN 31920	1 000 000
Proportion of dangerous failures	
with low demand rate acc. to SN 31920	40 %
with high demand rate acc. to SN 31920	73 %
Failure rate [FIT]	
with low demand rate acc. to SN 31920	100 FIT
Product function	
Mirror contact acc. to IEC 60947-4-1	Yes
T1 value for proof test interval or service life acc. to IEC 61508	20 у