SIEMENS

Product data sheet

CONTACTOR, AC-3, 4KW/400V, 1NC, AC110V, 50/60 HZ, 3-POLE, SZ S00 SPRING-LOADED TERMINAL

General technical data:		
Product brand name		SIRIUS
Product designation		3RT2 contactor
Size of the contactor		S00
Protection class IP / frontal/front side		IP20
Degree of pollution		3
Altitude of installation site / at a height over sea level / maximum	m	2,000
Ambient temperature		
during storage	°C	-55 80
during the operating phase	°C	-25 60
during transport	°C	-55 80
Resistance against shock		9.8g / 5 ms and 5.9g / 10 ms
Impulse voltage resistance / rated value	kV	6
Insulation voltage / rated value	V	690
Resistive loss		
• per conductor / typical	W	0.7
Apparent loss power / of the magnet coil / at AC / typical	V·A	4.2
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		К
according to DIN EN 61346-2		Q
Mechanical operating cycles as operating time		
of the contactor / typical		30,000,000
of the contactor with added auxiliary switch block / typical		10,000,000
 of the contactor with added electronics-compatible auxiliary switch block / typical 		10,000,000
Main circuit:		
Number of poles / for main current circuit		3
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Operating voltage / at 3 AC / rated value		

• at 40 °C ambient temperature / rated valueA22• at 60 °C ambient temperature / rated valueA9• at AC-2 / at 400 V/ rated valueA9• at AC-2 / at 400 V/ rated valueA9• at AC-4 / at 400 V/ rated valueA8.5• at AC-4 / at 400 V/ rated valueA20• at AC-4 / at 400 V/ rated valueA20• at AC-4 / at 400 V/ rated valueA20• at 10 V/ rated valueA20• at 110 V/ rated valueA20• at 24 V/ rated valueA20• at 24 V/ rated valueA20• at 140 V/ rated valueA20• at 240 V rated valueA20• at 240 V rated valueA20• at 420 V rated valueA20• at 420 V rated valueA20• at 400 V rate	• maximum	V	690
• at 40 °C ambient temperature / rated valueA22• at 60 °C ambient temperature / rated valueA20• at AC3 / at 400 V / rated valueA9• at AC3 / at 400 V / rated valueA9• at AC3 / at 400 V / rated valueA8.5• at AC4 / at 400 V / rated valueA20• at AC4 / at 400 V / rated valueA20• at 24 V / rated valueA20• at 100 V / rated valueA20• at 24 V / rated valueA20• at 100 V / rated valueA20• at 100 V / rated valueA20• at 100 V rated valueA20• at 100 V rated valueA20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 24 V rated valueA <td>Operating current / at AC-1 / at 400 V</td> <td></td> <td></td>	Operating current / at AC-1 / at 400 V		
Operating current A 9 • at AC-2 / at 400 V / rated value A 9 • at AC-3 / at 400 V / rated value A 9 • at AC-4 / at 400 V / rated value A 9 • at AC-4 / at 400 V / rated value A 9 • at AC-4 / at 400 V / rated value A 20 • at AC-1 / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 • at 110 V / rated value A 20 <tr< td=""><td> at 40 °C ambient temperature / rated value </td><td>А</td><td>22</td></tr<>	 at 40 °C ambient temperature / rated value 	А	22
• at AC-2 / at 400 V / rated valueA9• at AC-3 / at 400 V / rated valueA9• at AC-4 / at 400 V / rated valueA8.5• with 1 current path / at DC-1• at 124 V / rated valueA20• at 110 V / rated valueA20• with 2 current paths in series / at DC-1-• at 24 V / rated valueA20• at 110 V / rated valueA20• with 3 current paths in series / at DC-1-• at 24 V / rated valueA20• with 3 current paths in series / at DC-1-• at 24 V / rated valueA20• with 3 current paths in series / at DC-1-• at 24 V / rated valueA20• with 3 current paths in series / at DC-5-• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• with 3 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• at 300 V / rated valueA20• at 300 V / rated valueA20• at 300 V / rated valueKW4• at 300 V / rated valueKW4• at 300 V / rated valueKW4• at 300 V	 at 60 °C ambient temperature / rated value 	А	20
• at AC-3/ at 400 V/ rated valueA9• at AC-4/ at 400 V/ rated valueA8.5• with 1 current path / at DC-1-• at 24 V/ rated valueA20• at 110 V/ rated valueA20• with 2 current paths in series / at DC-1-• at 24 V/ rated valueA20• at 10 V/ rated valueA20• with 3 current paths in series / at DC-1-• at 24 V/ rated valueA20• with 3 current paths in series / at DC-1-• at 24 V/ rated valueA20• at 10 V/ rated valueA20• at 10 V/ rated valueA20• at 10 V/ rated valueA20• at 24 V/ rated valueA20• at 10 V/ rated valueA20• at 10 V/ rated valueA20• at 24 V/ rated valueA20• at 30 V/ rated valueA20• at 30 V/ rated valueA20• at 30 V/ rated valueA20• at 40 V/ rated valueA20• at 400 V/ rated valueA20• at 400 V/ rated valueKW4• at 400 V/ rated valueKW4• at 400 V/ rated value<	Operating current	_	
• at AC-4/ at 400 V/ rated valueA8.5• with 1 current path / at DC-1A20• at 24 V/ rated valueA2.1• with 2 current paths inseries / at DC-1• at 24 V/ rated valueA20• with 3 current paths inseries / at DC-1• with 3 current paths inseries / at DC-3• at 24 V/ rated valueA20• with 1 current path / at DC-3/ at DC-5• at 24 V/ rated valueA20• at 10 V/ rated valueA20• at 110 V/ rated valueA20• at 110 V/ rated valueA20• at 124 V/ rated valueA20• at 24V rated valueA20• at 124 V/ rated valueA20• at 24V rated valueA20• at 324 V/ rated valueA20• at 325 V/ rated valueA20	• at AC-2 / at 400 V / rated value	А	9
• with 1 current path / at DC-1I• at 24 V / rated valueA20• at 110 V / rated valueA21• with 2 current paths in series / at DC-1V• at 24 V / rated valueA20• at 110 V / rated valueA20• with 3 current paths in series / at DC-1V• at 24 V / rated valueA20• with 3 current paths in series / at DC-1V• at 24 V / rated valueA20• at 10 V / rated valueA20• with 1 current path / at DC-3 / at DC-5V• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5V• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5V• at 10 V / rated valueA20• at AC-3V4• at AC-3A20• at AC-3A20• at AC-4A20• at AC-3A20• at AC-4A20• at AC-3A20• at AC-3A20• at AC-4A20• at AC-4A20<	• at AC-3 / at 400 V / rated value	А	9
• at 24 V / rated valueA20• at 110 V / rated valueAA2.1• with 2 current paths in series / at DC-1-• at 24 V / rated valueAA20• at 110 V / rated valueAA12• with 3 current paths in series / at DC-1• at 24 V / rated valueAA20• at 110 V / rated valueAA20• at 24 V / rated valueAA20• at 110 V / rated valueAA20• with 1 current path / at DC-3 / at DC-5-• at 24 V / rated valueAA20• at 110 V / rated valueAA20• at 24 V / rated valueAA20• at 24 V / rated valueAA20• at 110 V / rated valueAA20• at 24 V / rated valueAA20• at 24 V / rated valueAA20• at 40 V / rated valueAA20• at 40 V / rated valueAA20• at 400 V / rated valueAA20• at 400 V / rated valueKW4• at 400 V / rated valueKW	• at AC-4 / at 400 V / rated value	А	8.5
• at 110 V/ rated valueA2.1• with 2 current paths in series / at DC-1A20• at 110 V/ rated valueA12• with 3 current paths in series / at DC-1• at 24 V/ rated valueA20• with 1 current paths in series / at DC-3A20• with 1 current path at DC-3 / at DC-5• at 24 V/ rated valueA20• with 1 current path at DC-3 / at DC-5• at 24 V/ rated valueA0.1• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V/ rated valueA20• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V/ rated valueA20• with 3 current paths in series / at DC-3 / at DC-5-• at 24 V/ rated valueA20• at 40 V / rated valueA20• at AC-2 / at 400 V / rated valueKW4• at AC-3• at AC-3 / at 400 V / rated valueKW4• at AC-3 / at 400 V / rated valueKW4• at AC-4 / at 400 V / rated valueKW4• at AC-4 / at 400 V / rated valueKW4• at AC-4 / at 400 V / rated valueKW4• at AC-4 / at 400 V / rated valueKW4• at AC-4 / at 400 V / rated value <td>• with 1 current path / at DC-1</td> <td></td> <td></td>	• with 1 current path / at DC-1		
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• at 24 V / rated valueA20• at 110 V / rated valueA12• at 24 V / rated valueA20• at 24 V / rated valueA20• at 110 V / rated valueA20• with 1 current path / at DC-3 / at DC-5• at 24 V / rated valueA20• at 10 V / rated valueA20• at 10 V / rated valueA20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 10 V / rated valueA20• at 10 V / rated valueA20• at 110 V / rated valueA20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 40 / rated valueA20• at 400 V / rated valueA20• at 400 V / rated valueA20• at 400 V / rated valueKW4• at 400 V / rated value	• at 110 V / rated value	А	2.1
• at 110 V / rated valueA12• with 3 current paths in series / at DC-1-• at 24 V / rated valueA20• at 110 V / rated valueA20• with 1 current path / at DC-3 / at DC-5-• at 24 V / rated valueA20• at 110 V / rated valueA20• at 110 V / rated valueA20• at 110 V / rated valueA20• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• at 110 V / rated valueA20• at 24 V / rated valueA20• at 40 V / rated valueA20• at 40 V / rated valueA20• at 400 V / rated valueKW4• at 400 V / rated valueVar0• at 400 V / rated valueVar0 </td <td>• with 2 current paths in series / at DC-1</td> <td></td> <td></td>	• with 2 current paths in series / at DC-1		
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• at 24 V / rated valueA20• at 110 V / rated valueA20• with 1 current path / at DC-3 / at DC-5-• at 24 V / rated valueA20• at 110 V / rated valueA0.1• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• at 110 V / rated valueA20• at 110 V / rated valueA20• at 110 V / rated valueA20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 110 V / rated valueA20• at AC-2 / at 400 V / rated valueA20• at AC-2 / at 400 V / rated valueKW4• at AC-3• at 400 V / rated valuekW4.5• at 400 V / rated valuevar0• at 400 V / rated value <td< td=""><td>• at 110 V / rated value</td><td>А</td><td>12</td></td<>	• at 110 V / rated value	А	12
• at 110 V/ rated valueA20• with 1 current path / at DC-3 / at DC-5A20• at 24 V / rated valueA20• with 2 current paths in series / at DC-3 / at DC-5-• at 24 V / rated valueA20• at 24 V / rated valueA20• at 110 V / rated valueA20• at 110 V / rated valueA20• at 24 V / rated valueA20• at AC-2 / at 400 V / rated valueA20• at AC-2 / at 400 V / rated valueKW4• at AC-3• at 400 V / rated valueKW4.5• at 600 V / rated valueKW5.5• at 600 V / rated valueVar0• at 200 V / rated valueVar0• at 400 V / rated value <t< td=""><td>• with 3 current paths in series / at DC-1</td><td></td><td></td></t<>	• with 3 current paths in series / at DC-1		
with 1 current path / at DC-3 / at DC-5I• at 24 V / rated valueA0• with 2 current paths in series / at DC-3 / at DC-5• at 24 V / rated valueA0• at 24 V / rated valueA0.35• with 3 current paths in series / at DC-3 / at DC-5• at 24 V / rated valueA0• with 3 current paths in series / at DC-3 / at DC-5• at 24 V / rated valueA0• at 110 V / rated valueA0• at 110 V / rated valueA0• at 110 V / rated valueA0• at AC-2 / at 400 V / rated valueA0• at AC-2 / at 400 V / rated valueKW4• at AC-3• at 400 V / rated valueKW4.5• at 400 V / rated valueKW5.5• at 400 V / rated valueKW4.5• at 300 V / rated valueKW0• at 230 V / rated valueVar0• at 400 V / rated valueVar	• at 24 V / rated value	А	20
• at 24 V/ rated valueA20• with 2 current paths in series / at DC-3 / at DC-5• at 24 V/ rated valueA20• at 110 V/ rated valueA0.35• with 3 current paths in series / at DC-3 / at DC-5• at 24 V/ rated valueA20• at 10 V / rated valueA20• at AC-2 / at 400 V / rated valueA20• at AC-2 / at 400 V / rated valueKW4• at AC-2 / at 400 V / rated valuekW4• at AC-2 / rated valueKW4• at AC-2 / rated valueKW4• at AC-3• at 400 V / rated valueKW4• at 250 V / rated valueKW4• at 200 V / rated valueVare0• at 400 V / rated valueVare0<	• at 110 V / rated value	А	20
• at 110 V/ rated valueA0.1• with 2 current paths in series / at DC-3 / at DC-5A20• at 24 V/ rated valueA0.35• with 3 current paths in series / at DC-3 / at DC-5• at 24 V/ rated valueA20• at 24 V/ rated valueA20• at 24 V/ rated valueA20• at 110 V/ rated valueA20• at 110 V/ rated valueA20• at AC-2 / at 400 V/ rated valueA20• at AC-2 / at 400 V/ rated valuekWW4• at AC-2 / at 400 V/ rated valuekWW4• at AC-3• at 400 V / rated valuekWW4• at 400 V / rated valuekWW4• at 250 V / rated valuekWW5• at 200 V / rated valuevar0• at 200 V / rated valuevar0• at 200 V / rated valuevar0• at 400 V / rated valuevar0 </td <td>• with 1 current path / at DC-3 / at DC-5</td> <td></td> <td></td>	• with 1 current path / at DC-3 / at DC-5		
with 2 current paths in series / at DC-3 / at DC-5I• at 24 V / rated valueA20• at 110 V / rated valueA0.35• with 3 current paths in series / at DC-3 / at DC-5• at 24 V / rated valueA20• at 24 V / rated valueA20• at 110 V / rated valueA20• at AC-2 / at 400 V / rated valueA20• at AC-3• at 400 V / rated valueKW4• at 600 V / rated valueKW4• at 600 V / rated valueKW5.5• at 230 V / rated valueVar0• at 230 V / rated valueVar0• at 600 V / rated va	• at 24 V / rated value	А	20
• at 24 V / rated valueA20• at 110 V / rated valueA0.35• with 3 current paths in series / at DC-3 / at DC-5• at 24 V / rated valueA20• at 24 V / rated valueA20• at 110 V / rated valueA20• at AC-2 / at 400 V / rated valueKW4• at AC-2 / at 400 V / rated valueKW4• at 400 V / rated valueKW4• at 400 V / rated valueKW4.5• at 400 V / rated valueKW4.5• at 690 V / rated valueKW4.5• at 230 V / rated valueKW4• at 230 V / rated valueVar0• at 690 V / rated valueVar0• at 69	• at 110 V / rated value	А	0.1
• at 110 V / rated valueA0.35• with 3 current paths in series / at DC-3 / at DC-5A20• at 24 V / rated valueA20• at 24 V / rated valueA20• at 110 V / rated valueKW4• at AC-2 / at 400 V / rated valueKW4• at AC-2 / at 400 V / rated valueKW4• at 400 V / rated valueKW4.5• at 400 V / rated valueKW4.5• at 400 V / rated valueKW5.5• at 690 V / rated valueKW5.5• at 230 V / rated valueVar0• at 230 V / rated valueVar0• at 690 V / rated valueVar0•	• with 2 current paths in series / at DC-3 / at DC-5		
with 3 current paths in series / at DC-3 / at DC-5A20• at 24 V / rated valueA20• at 10 V / rated valueA20Service powerKW4• at AC-2 / at 400 V / rated valueKW4• at AC-3KW4• at 400 V / rated valueKW4.• at 400 V / rated valueKW4.5• at 400 V / rated valueKW5.5• at 690 V / rated valueKW5.5• at 230 V / rated valueVar0• at 230 V / rated valueVar0• at 690 V / rated valueVar	• at 24 V / rated value	А	20
• at 24 V / rated valueA20• at 10 V / rated valueA20Service powerA20• at AC-2 / at 400 V / rated valueKW4• at AC-3KW4• at 400 V / rated valueKW4• at 400 V / rated valueKW4.5• at 400 V / rated valueKW5.5• at 690 V / rated valueKW4• at 690 V / rated valueKW4• at 690 V / rated valueKW4• at 690 V / rated valueKW6• at 400 V / rated valueVar0• at 230 V / rated valueVar0• at 690	• at 110 V / rated value	А	0.35
• at 110 V / rated valueA20Service powerA20• at AC-2 / at 400 V / rated valueKW4• at AC-3KW4• at 400 V / rated valueKW4• at 500 V / rated valueKW4.5• at 690 V / rated valueKW5.5• at 690 V / rated valueKW4• at 690 V / rated valueKW4• at 690 V / rated valueKW6• at 690 V / rated valueKW6• at 690 V / rated valueVar0• at 230 V / rated valueVar0• at 690 V / rated valueVar0• other comparison of the operating frequency1/h1,000	• with 3 current paths in series / at DC-3 / at DC-5		
Service powerKWKW• at AC-2 / at 400 V / rated valuekW4• at AC-3kW4• at 400 V / rated valuekW4• at 500 V / rated valuekW4.5• at 690 V / rated valuekW5.5• at AC-4 / at 400 V / rated valuekW4• at 230 V / rated valuekW4• at 230 V / rated valuevar0• at 400 V / rated valuevar0• at 690 V / rated valuevar0 <td>• at 24 V / rated value</td> <td>А</td> <td>20</td>	• at 24 V / rated value	А	20
• at AC-2 / at 400 V / rated valuekW4• at AC-3kW4• at 400 V / rated valuekW4• at 500 V / rated valuekW4.5• at 690 V / rated valuekW5.5• at AC-4 / at 400 V / rated valuekW4• at C-4 / at 400 V / rated valuekW4• at C-4 / at 400 V / rated valuekW4• at C-4 / at 400 V / rated valuevar0• at 230 V / rated valuevar0• at 230 V / rated valuevar0• at 690 V / rated	• at 110 V / rated value	А	20
• at AC-3Image: constraint of the second	Service power	_	
• at 400 V / rated valuekW4• at 500 V / rated valuekW4.5• at 690 V / rated valuekW5.5• at AC-4 / at 400 V / rated valuekW4• at 230 V / rated valuevar0• at 400 V / rated valuevar0• at 400 V / rated valuevar0• at 690 V / rated valuevar	• at AC-2 / at 400 V / rated value	kW	4
• at 500 V / rated value4.5• at 690 V / rated value6.WW• at AC-4 / at 400 V / rated value6.WW• at AC-4 / at 400 V / rated value6.WW• at 230 V / rated value9.0• at 230 V / rated value9.0• at 400 V / rated value9.0• at 690 V / rated value9.0• at 690 V / rated value1.0• at 690 V / rated value9.0• at 690 V / rated value9.0• at 690 V / rated value9.0• at 690 V / rated value1.0• at 690 V / rated value9.0• at 690	• at AC-3		
• at 690 V / rated valuekW5.5• at AC-4 / at 400 V / rated valuekW4Operating reactive power / at AC-6bVV• at 230 V / rated valuevar0• at 400 V / rated valuevar0• at 690 V / rated valuevar0• at 690 V / rated valuevar0• at 690 V / rated value1/h10,000Off-load operating frequency1/h10,000	• at 400 V / rated value	kW	4
• at AC-4 / at 400 V / rated valuekW4Operating reactive power / at AC-6bVar• at 230 V / rated valuevar• at 230 V / rated valuevar• at 400 V / rated valuevar• at 690 V / rated valuevar• off-load operating frequency1/h• witching frequency1/h	• at 500 V / rated value	kW	4.5
Operating reactive power / at AC-6b Image: Comparison of the comparison of	• at 690 V / rated value	kW	5.5
• at 230 V / rated valuevar0• at 400 V / rated valuevar0• at 690 V / rated valuevar0Off-load operating frequency1/h10,000Switching frequencyCC	• at AC-4 / at 400 V / rated value	kW	4
• at 400 V / rated valuevar0• at 690 V / rated valuevar0Off-load operating frequency1/h10,000Switching frequencyII	Operating reactive power / at AC-6b		
• at 690 V / rated valuevar0Off-load operating frequency1/h10,000Switching frequency1/h10,000	• at 230 V / rated value	var	0
Off-load operating frequency 1/h 10,000 Switching frequency 1/h 10,000	• at 400 V / rated value	var	0
Switching frequency	• at 690 V / rated value	var	0
	Off-load operating frequency	1/h	10,000
• at AC-1 / according to IEC 60947-6-2 / maximum 1/h 1,000	Switching frequency		
	• at AC-1 / according to IEC 60947-6-2 / maximum	1/h	1,000

• at AC-2 / according to IEC 60947-6-2 / maximum	1/h	750
• at AC-3 / according to IEC 60947-6-2 / maximum	1/h	750
• at AC-4 / according to IEC 60947-6-2 / maximum	1/h	250

Control circuit:		
Design of activation of the operating mechanism		conventional
Type of voltage / of the controlled supply voltage		AC
control supply voltage frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Control supply voltage / 1		
• at 50 Hz / for AC		
rated value	V	110
• at 60 Hz / for AC		
rated value	V	110
Operating range factor control supply voltage rated value / of solenoid		
• at 50 Hz / for AC		0.8 1.1
• at 60 Hz / for AC		0.85 1.1
Apparent pull-in power / of the solenoid / for AC	V·A	27
Apparent holding power / of the solenoid / for AC	V·A	4.2
Power factor inductive		
• at pull-in power of the coil		0.8
 at holding power of the coil 		0.25

Auxiliary circuit:

Product extension / auxiliary switch		Yes
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts		
instantaneous switching		1
lagging switching		0
Number of NO contacts / for auxiliary contacts		
 instantaneous switching 		0
leading switching		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	А	10
• at AC-15		
• at 230 V	А	10
• at 400 V	А	3
• at DC-12		
• at 48 V	А	6

• at 60 V	А	6
• at 110 V	А	3
• at 220 V	А	1
• at DC-13		
• at 24 V	А	6
• at 48 V	А	2
• at 60 V	А	2
• at 110 V	А	1
• at 220 V	А	0.3

Short-circuit:

Design of the fuse link

• for short-circuit protection of the auxiliary switch / required
for short-circuit protection of the main circuit
 at type of coordination 1 / required

• at type of coordination 2 / required

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20A

fuse gL/gG: 10 A

Installation/mounting/dimensions:		
built in orientation		vertical
Type of fixing/fixation	-	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Type of fixing/fixation / Series installation		Yes
Width	mm	45
Height	mm	60
Depth	mm	72
distance, to be maintained, to the ranks assembly		
• forwards	mm	0
backwards	mm	0
• upwards	mm	6
downwards	mm	6
• sidewards	mm	0
distance, to be maintained, to earthed part		
• forwards	mm	6
backwards	mm	0
• upwards	mm	6
downwards	mm	6
• sidewards	mm	6
distance, to be maintained, conductive elements		
• forwards	mm	6
backwards	mm	6

• upwards	mm	6
downwards	mm	10
• sidewards	mm	6
Connections:		
design of the electrical connection		
for main current circuit		spring-loaded terminals
 for auxiliary and control current circuit 		spring-loaded terminals
Type of the connectable conductor cross-section		
for main contacts		
• unifilar		2x (0.5 4 mm2)
stranded wire		2x (0.5 4 mm2)
stranded wire		
with conductor end processing		2 x (0.5 2.5 mm2)
without conductor final cutting		2x (0.5 2.5 mm2)
at AWG-conductors / for main contacts		1x (20 12)
for auxiliary contact		
• solid		2x (0.5 4 mm2)
stranded wire		
with wire end processing		2x (0.5 2.5 mm2)
without conductor final cutting		2x (0.5 2.5 mm2)
 for AWG conductors / for auxiliary contacts 		2x (20 12)
Certificates/approvals:		
verification of suitability		CE / UL / CSA / CCC
Safety:		
B10 value / with high demand rate		
according to SN 31920		1,000,000
T1 value / for proof test interval or service life		
according to IEC 61508	а	20
Proportion of dangerous failures		
with low demand rate / according to SN 31920	%	75
with high demand rate / according to SN 31920	%	75
Failure rate (FIT value) / with low demand rate		
according to SN 31920	FIT	50
Protection against electrical shock		finger-safe
Further information:		

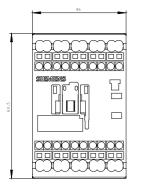
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

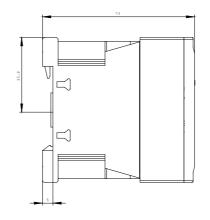
Global Industry Mall (Online ordering system)

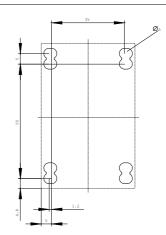
http://www.siemens.com/industrial-controls/mall

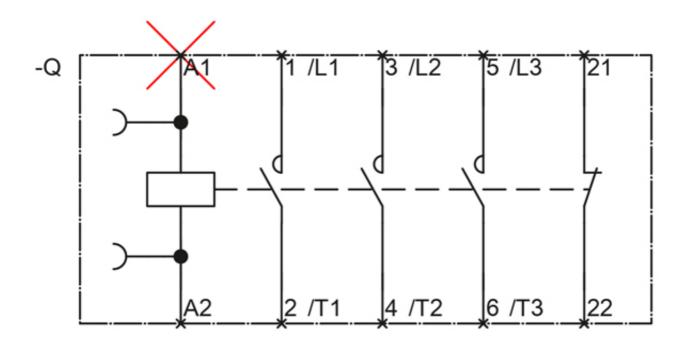
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT2016-2AF02/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT2016-2AF02









last change:

May 8, 2010