

CONTACTOR RELAY, 4NO, AC 230V, 50/60 HZ, SIZE S00,  
SCREW TERMINAL

General technical data:		
product brand name		SIRIUS
Size of the contactor		S00
Identification number and letter for switching elements		40 E
Product extension / auxiliary switch		Yes
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Degree of pollution		3
Insulation voltage / with degree of pollution 3 / rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature / during storage	°C	-55...+80
Ambient temperature / during operating	°C	-25...+60
Shock resistance		
<ul style="list-style-type: none"> <li>at rectangular impulse</li> <li>at AC</li> <li>at sine pulse</li> <li>at AC</li> </ul>		7,3g / 5 ms, 4,7g / 10 ms
Impulse voltage resistance / rated value	kV	11,4g / 5 ms, 7,3g / 10 ms 6
Mechanical operating cycles as operating time		
<ul style="list-style-type: none"> <li>of the contactor / typical</li> <li>of the contactor with added auxiliary switch block / typical</li> <li>of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>		30,000,000 10,000,000 10,000,000
Control circuit:		
Type of voltage / of the controlled supply voltage		AC
Control supply voltage / 1		
<ul style="list-style-type: none"> <li>at 50 Hz / for AC / rated value</li> <li>at 60 Hz / for AC / rated value</li> </ul>	V V	230 230
Operating range factor control supply voltage rated value / of the solenoid		
<ul style="list-style-type: none"> <li>at 50 Hz / for AC</li> <li>at 60 Hz / for AC</li> </ul>		0.8...1.1 0.85...1.1
Apparent pull-in power / of the solenoid / for AC	V·A	37
Apparent holding power / of the solenoid / for AC	V·A	5.7
Inductive power factor		
<ul style="list-style-type: none"> <li>with the pull-in power of the coil</li> <li>with the pull-in power of the coil</li> </ul>		0.8 0.25
Closing delay		
<ul style="list-style-type: none"> <li>at AC</li> </ul>	ms	8...33
Opening delay		
<ul style="list-style-type: none"> <li>at AC</li> </ul>	ms	6...25
Arcing time	s	10...15

<b>Auxiliary circuit:</b>		
<b>Contact reliability / of the auxiliary contacts</b>		1 faulty switching per 100 million (17 V, 1 mA)
<b>Number of NC contacts / for auxiliary contacts / instantaneous switching</b>		0
<b>Number of NO contacts / for auxiliary contacts / instantaneous switching</b>		4
<b>Operating current / of the auxiliary contacts / at AC-12 / maximum</b>	A	10
<b>Operating current / of the auxiliary contacts / at AC-15</b>		
• at 230 V	A	6
• at 400 V	A	3
• at 500 V	A	2
• at 690 V	A	1
<b>Operating current</b>		
• of the auxiliary contacts / with 1 current path / at DC-12		
• at 24 V	A	6
• at 110 V	A	3
• at 220 V	A	1
• with 2 current paths in series / at DC-12		
• at 24 V / rated value	A	10
• at 60 V / rated value	A	10
• at 110 V / rated value	A	4
• at 220 V / rated value	A	2
• at 440 V / rated value	A	1.3
• at 600 V / rated value	A	0.65
• with 3 current paths in series / at DC-12		
• at 24 V / rated value	A	10
• at 60 V / rated value	A	10
• at 110 V / rated value	A	10
• at 220 V / rated value	A	3.6
• at 440 V / rated value	A	2.5
• at 600 V / rated value	A	1.8
<b>Operating current</b>		
• of the auxiliary contacts / with 1 current path / at DC-13		
• at 24 V	A	6
• at 110 V	A	1
• at 220 V	A	0.3
• with 2 current paths in series / at DC-13		
• at 24 V / rated value	A	10
• at 60 V / rated value	A	3.5
• at 110 V / rated value	A	1.3
• at 220 V / rated value	A	0.9
• at 440 V / rated value	A	0.2
• at 600 V / rated value	A	0.1
• with 3 current paths in series / at DC-13		
• at 24 V / rated value	A	10
• at 60 V / rated value	A	4.7
• at 110 V / rated value	A	3
• at 220 V / rated value	A	1.2
• at 440 V / rated value	A	0.5
• at 600 V / rated value	A	0.26
<b>Off-load operating frequency</b>		



- with high demand rate / according to SN 31920

% 73

**Failure rate (FIT value) / with low demand rate**

- according to SN 31920

FIT 100

**Product function / positively driven operation to IEC 60947-5-1**

Yes

- comment

with 3RH29

**Further information:**

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

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

**Cax online generator:**

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH2140-1AP00/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3RH2140-1AP00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3RH2140-1AP00)

**last change:**

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