### **Product data sheet**



LATCHED CONTACTOR RELAY FOR RAILWAY APPLICATIONS 3NO, DC 32V, 0,7..1,25\*US, VARISTOR INTEGRATED, SZ S00, SCREW TERMINAL

General technical data:			
product brand name		SIRIUS	
Size of the contactor		S00	
Identification number and letter for switching elements		30	
Product extension / auxiliary switch		No	
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	
during operating	°C	-40 <b>+</b> 70	
• note		Railway application: See catalog for rated conditions	
Shock resistance			
at rectangular impulse			
• at DC		10g / 5 ms, 5g / 10 ms	
at sine pulse			
• at DC		15g / 5 ms, 8g / 10 ms	
Impulse voltage resistance / rated value	kV	6	

Mechanical operating cycles as operating time	
of the contactor / typical	5,000,000
• of the contactor with added auxiliary switch block / typical	5,000,000
<ul> <li>of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>	5,000,000

Control circuit/ Control:			
Design of the surge suppressor		with varistor	
Voltage type / of control feed voltage		DC	
Control supply voltage			
• for DC / rated value	V	32	
Operating range factor control supply voltage rated value / of the magnet coil			
• for DC		0.7 1.25	
Holding power / of the solenoid / for DC	W	1.6	
Pull-in power / of the solenoid / for DC	W	1.6	
Closing delay			
• at DC	ms	30 100	
Opening delay			
• at DC	ms	25 90	
Arcing time	s	10 15	

Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NO contacts / for auxiliary contacts / instantaneous switching		3
Operating current		
• at AC-12 / maximum	Α	10
• at AC-15		
• at 230 V / rated value	Α	10
• at 400 V / rated value	Α	3
• at 500 V / rated value	Α	2
• at 690 V / rated value	Α	1
Operating current		
• with 1 current path / at DC-12		
• at 24 V / rated value	Α	10
• at 110 V / rated value	Α	3
• at 220 V / rated value	Α	1
• at 440 V / rated value	Α	0.3
• at 600 V / rated value	Α	0.15
• with 2 current paths in series / at DC-12		

<ul> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-12</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 1220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>at 24 V / rated value</li> <li>at 220 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 24 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 200 V / rated value</li> <li>at 200 V / rated value</li> <li>at 200 V / rated value</li> <li>at 24 V / rated value</li> <li>at 600 V / ra</li></ul>	
* at 110 V / rated value  * at 220 V / rated value  * at 440 V / rated value  * at 600 V / rated value  * with 3 current paths in series / at DC-12  * at 24 V / rated value  * at 60 V / rated value  * at 110 V / rated value  * at 220 V / rated value  * at 440 V / rated value  * at 600 V / rated value  * at 110 V / rated value  * at 440 V / rated value  * at 440 V / rated value  * at 600 V / rated value  * at 600 V / rated value  * at 600 V / rated value  * at 110 V / rated value  * at 110 V / rated value  * at 60 V / rated value  * at 600 V / rated value  * at 440 V / rated value  * at 600 V / rated value  *	10
<ul> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-12</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 1 current path / at DC-13</li> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 60 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 600 V / rated value</li> <li>at 440 V / rated value</li> <li>at 220 V / rated value</li> <li>at 450 V / rated value</li> <li>at 460 V / rated value</li> <li>at 220 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 220 V / rated value</li> <li>at 220 V / rated value</li> <li>at 220 V / rated value</li> <li>at 400 V / rated value</li> <li>at 440 V / rated value</li>     &lt;</ul>	10
<ul> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-12</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 60 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>with 1 current path / at DC-13</li> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 110 V / rated value</li> <li>at 24 V / rated value</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 60 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 24 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 24 V / rated value</li> <li>at 24 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 220 V / rated value</li> <li>at 60 V / rated value</li> <li>at 60 V / rated value</li> <li>at 60 V / rated value</li> <li>at 220 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 6</li></ul>	4
at 600 V / rated value  with 3 current paths in series / at DC-12  at 24 V / rated value  at 60 V / rated value  A  at 110 V / rated value  A  at 220 V / rated value  A  A  A  A  A  A  A  A  A  A  A  A  A	2
* with 3 current paths in series / at DC-12     * at 24 V / rated value     * at 60 V / rated value     * at 110 V / rated value     * at 220 V / rated value     * at 440 V / rated value     * at 600 V / rated value     * at 600 V / rated value     * at 600 V / rated value     * at 110 V / rated value     * at 220 V / rated value     * at 220 V / rated value     * at 600 V / rated value     * at 110 V / rated value     * at 110 V / rated value     * at 440 V / rated value     * at 220 V / rated value     * at 440 V / rated value     * at 600 V / rated value     * at 600 V / rated value     * at 600 V / rated value     * at 440 V / rated value     * at 600 V / rated valu	1.3
• at 24 V / rated value • at 60 V / rated value • at 110 V / rated value • at 220 V / rated value • at 440 V / rated value • at 600 V / rated value • at 600 V / rated value • at 600 V / rated value  A  Operating current • with 1 current path / at DC-13 • at 24 V / rated value • at 110 V / rated value • at 220 V / rated value • at 440 V / rated value • at 600 V / rated value • at 600 V / rated value • at 600 V / rated value • at 60 V / rated value • at 60 V / rated value • at 110 V / rated value • at 60 V / rated value • at 60 V / rated value • at 220 V / rated value • at 220 V / rated value • at 220 V / rated value • at 600 V / rated value • at 220 V / rated value • at 600 V / rated value	0.65
at 60 V / rated value     at 110 V / rated value     at 220 V / rated value     at 440 V / rated value     at 600 V / rated value     at 600 V / rated value     at 110 V / rated value     at 600 V / rated value  A  Operating current  • with 1 current path / at DC-13  • at 24 V / rated value  • at 110 V / rated value  • at 440 V / rated value  • at 600 V / rated value  • with 2 current paths in series / at DC-13  • at 24 V / rated value  • at 60 V / rated value  • at 60 V / rated value  • at 60 V / rated value  • at 440 V / rated value  • at 220 V / rated value  • at 440 V / rated value  • at 600 V / rated value  • at 600 V / rated value  • at 600 V / rated value  • at 440 V / rated value  • at 600 V / rated value	
<ul> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 1 current path / at DC-13</li> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 24 V / rated value</li> <li>at 24 V / rated value</li> <li>at 20 V / rated value</li> <li>at 20 V / rated value</li> <li>at 20 V / rated value</li> <li>at 210 V / rated value</li> <li>at 24 V / rated value</li> <li>at 3 do 0 V / rated value</li> <li>at 3 do 0 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 24 V / rated value</li> <li>at 24 V / rated value</li> <li>at 20 V / rated value</li> <li>at 20 V / rated value</li> <li>at 60 V / rated value</li> <li>at 20 V / rated value</li> <li>at 20 V / rated value</li> <li>at 20 V / rated value</li> <li>at 40 V / rated value</li> <li>at 40 V / rated value</li> <li>at 20 V / rated value</li> <li>at 30 V / rated value</li> <li>at 40 V / rated value</li> <li>at 50 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600</li></ul>	10
• at 220 V / rated value • at 440 V / rated value • at 600 V / rated value  A  Operating current • with 1 current path / at DC-13 • at 24 V / rated value • at 110 V / rated value • at 220 V / rated value • at 440 V / rated value • at 600 V / rated value • with 2 current paths in series / at DC-13 • at 24 V / rated value • at 600 V / rated value • at 60 V / rated value • at 110 V / rated value • at 220 V / rated value • at 220 V / rated value • at 60 V / rated value • at 220 V / rated value • at 220 V / rated value • at 220 V / rated value • at 600 V / rated value • at 440 V / rated value • at 600 V / rated value	10
• at 440 V / rated value  • at 600 V / rated value  Operating current  • with 1 current path / at DC-13  • at 24 V / rated value  • at 110 V / rated value  • at 440 V / rated value  • at 600 V / rated value  • with 2 current paths in series / at DC-13  • at 24 V / rated value  • at 60 V / rated value  • at 110 V / rated value  • at 60 V / rated value  • at 220 V / rated value  • at 24 V / rated value  • at 60 V / rated value  • at 220 V / rated value  • at 220 V / rated value  • at 220 V / rated value  • at 440 V / rated value  • at 600 V / rated value	10
• at 600 V / rated value  Operating current  • with 1 current path / at DC-13  • at 24 V / rated value  • at 110 V / rated value  • at 440 V / rated value  • at 600 V / rated value  • with 2 current paths in series / at DC-13  • at 24 V / rated value  • at 60 V / rated value  • at 60 V / rated value  • at 110 V / rated value  • at 220 V / rated value  • at 220 V / rated value  • at 60 V / rated value  • at 60 V / rated value  • at 220 V / rated value  • at 220 V / rated value  • at 600 V / rated value  • at 220 V / rated value  • at 600 V / rated value  • at 100 V / rated value  • at 200 V / rated value  • at 440 V / rated value  • at AC  • at DC  Frequency of operation	3.6
Operating current  • with 1 current path / at DC-13  • at 24 V / rated value  • at 110 V / rated value  • at 220 V / rated value  • at 600 V / rated value  • at 600 V / rated value  • at 60 V / rated value  • at 110 V / rated value  • at 60 V / rated value  • at 220 V / rated value  • at 220 V / rated value  • at 440 V / rated value  • at 600 V / rated value	2.5
with 1 current path / at DC-13     at 24 V / rated value     at 110 V / rated value     at 220 V / rated value     at 440 V / rated value     at 600 V / rated value     with 2 current paths in series / at DC-13     at 24 V / rated value     at 60 V / rated value     at 60 V / rated value     at 110 V / rated value     at 120 V / rated value     at 220 V / rated value     at 20 V / rated value     at 440 V / rated value     at 600 V / rated value     at 60 V / rated value     at 600 V / rated value     at AC     at AC     at AC     at DC  Frequency of operation	1.8
<ul> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 2 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 24 V / rated value</li> <li>at 20 V / rated value</li> <li>at 60 V / rated value</li> <li>at 20 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated</li></ul>	
<ul> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 2 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 110 V / rated value</li> <li>at 24 V / rated value</li> <li>at 24 V / rated value</li> <li>at 20 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC value</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>Frequency of operation</li> </ul>	
<ul> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 2 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 110 V / rated value</li> <li>at 110 V / rated value</li> <li>at 440 V / rated value</li> <li>A</li> <l< td=""><td>10</td></l<></ul>	10
at 440 V / rated value  at 600 V / rated value  with 2 current paths in series / at DC-13  at 24 V / rated value  at 60 V / rated value  at 110 V / rated value  at 440 V / rated value  at 440 V / rated value  at 600 V / rated value  at 600 V / rated value  at 600 V / rated value  with 3 current paths in series / at DC-13  at 24 V / rated value  at 60 V / rated value  at 60 V / rated value  at 110 V / rated value  at 60 V / rated value  at 110 V / rated value  at 600 V / rated value  at 440 V / rated value  at 600 V / rated value  a	1
at 600 V / rated value  with 2 current paths in series / at DC-13  at 24 V / rated value  at 60 V / rated value  at 110 V / rated value  at 220 V / rated value  at 440 V / rated value  with 3 current paths in series / at DC-13  at 24 V / rated value  at 600 V / rated value  at 600 V / rated value  at 600 V / rated value  at 60 V / rated value  at 220 V / rated value  at 440 V / rated value  at 600 V / rated value  frated value  at 600 V / rated value  at 600 V / rated value  at 600 V / rated value  frated value  at 600 V / rated value  at 600 V / rated value  frated value  frated value  at 600 V / rated value  frated value  frate	0.3
with 2 current paths in series / at DC-13         iat 24 V / rated value         iat 60 V / rated value         iat 110 V / rated value         iat 220 V / rated value         iat 440 V / rated value         iat 600 V / rated value         iat 600 V / rated value         iat 24 V / rated value         iat 24 V / rated value         iat 60 V / rated value         iat 110 V / rated value         iat 110 V / rated value         iat 440 V / rated value         iat 600 V / rated value         iat 600 V / rated value         iat AC         iat AC         iat AC         iat DC  Frequency of operation	0.14
at 24 V / rated value  at 60 V / rated value  at 110 V / rated value  at 220 V / rated value  at 440 V / rated value  at 600 V / rated value  with 3 current paths in series / at DC-13  at 24 V / rated value  at 60 V / rated value  at 110 V / rated value  at 110 V / rated value  at 220 V / rated value  at 600 V / rated value  at 600 V / rated value  at 600 V / rated value  at 220 V / rated value  at 600 V / rated value  at AC  at AC  at AC  1/h  Frequency of operation	0.1
at 60 V / rated value  at 110 V / rated value  at 220 V / rated value  at 440 V / rated value  at 600 V / rated value  with 3 current paths in series / at DC-13  at 24 V / rated value  at 60 V / rated value  at 60 V / rated value  at 110 V / rated value  at 220 V / rated value  at 440 V / rated value  at 600 V / rated value  frequency  at AC  at DC  1/h  Frequency of operation	
<ul> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC</li> <li>at DC</li> <li>1/h</li> <li>Frequency of operation</li> </ul>	10
<ul> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC</li> <li>at DC</li> <li>1/h</li> <li>Frequency of operation</li> </ul>	3.5
<ul> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC</li> <li>at DC</li> <li>1/h</li> <li>Frequency of operation</li> </ul>	1.3
<ul> <li>at 600 V / rated value</li> <li>with 3 current paths in series / at DC-13</li> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC</li> <li>at DC</li> <li>1/h</li> <li>Frequency of operation</li> </ul>	0.9
with 3 current paths in series / at DC-13         • at 24 V / rated value         • at 60 V / rated value         • at 110 V / rated value         • at 220 V / rated value         • at 440 V / rated value         • at 600 V / rated value         • at AC         • at DC  Frequency of operation	0.2
<ul> <li>at 24 V / rated value</li> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC</li> <li>at DC</li> </ul> Frequency of operation <ul> <li>A</li> </ul> A <ul> <li>A</li> </ul>	0.1
<ul> <li>at 60 V / rated value</li> <li>at 110 V / rated value</li> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>at AC</li> <li>at DC</li> <li>1/h</li> <li>Frequency of operation</li> </ul>	
at 110 V / rated value  at 220 V / rated value  at 440 V / rated value  at 600 V / rated value  A  Off-load operating frequency  at AC  at DC  1/h  Frequency of operation	10
<ul> <li>at 220 V / rated value</li> <li>at 440 V / rated value</li> <li>at 600 V / rated value</li> <li>A</li> </ul> Off-load operating frequency <ul> <li>at AC</li> <li>at DC</li> </ul> 1/h Frequency of operation	4.7
• at 440 V / rated value     • at 600 V / rated value  Off-load operating frequency     • at AC     • at DC  Trequency of operation  A  A  A  I/h  1/h	3
• at 600 V / rated value  Off-load operating frequency • at AC • at DC  Trequency of operation	1.2
Off-load operating frequency  • at AC  • at DC  1/h  Frequency of operation	0.5
• at AC • at DC  1/h  Trequency of operation	0.26
• at DC 1/h Frequency of operation	
Frequency of operation	10,000
	10,000
• at AC-12 / maximum 1/h	
	1,000
• at AC-14 / maximum 1/h	1,000

• at AC-15 / maximum	1/h	1,000
• at DC-12 / maximum	1/h	1,000
• at DC-13 / maximum	1/h	1,000

Short-circuit:			
Design of the fuse link / for short-circuit protection of the auxiliary switch			
• required	fuse gL/gG: 10 A		
Design of the miniature circuit breaker / for short-circuit protection of the auxiliary circuit / up to 230 V	C characteristic: 6 A; 0.4 kA		

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	
Width	mm	90	
Height	mm	57.5	
Depth	mm	123	

# Connections/ terminals: Design of the electrical connection • for auxiliary and control current circuit • for auxiliary contacts / finely stranded / with conductor end processing • for AWG conductors / for auxiliary contacts 2x (20 ... 16), 2x (18 ... 14), 2x 12

#### **Certificates/ approvals:**

General Product Approval	Functional Safety / Safety of Machinery	Declaration of Conformity	Test Certificates
<b>EAL</b>	Type Examination	CE EG-Konf.	Special Test Certificate

# **Shipping Approval**







other







#### **Shipping Approval**







Environmental Confirmations

UL/CSA ratings:			
Contact rating designation / for auxiliary contacts / according to UL		A600 / Q600	
Safety related data:			
B10 value / with high demand rate			
• according to SN 31920		1,000,000	
• note		With 0.3 x le	
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	%	40	
• with high demand rate / according to SN 31920	%	73	
Failure rate [FIT] / with low demand rate			

FIT

100

Yes

# Further information:

according to SN 31920

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

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

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

#### Industry Mall (Online ordering system)

http://mall.industry.siemens.com/

#### Cax online generator

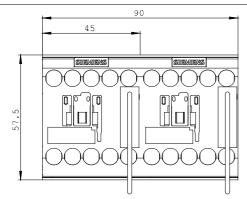
http://www.siemens.com/cax

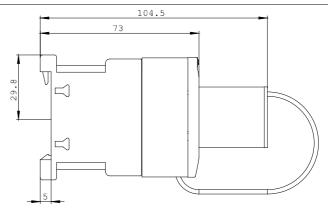
# Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

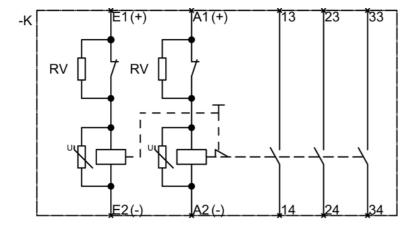
http://support.automation.siemens.com/WW/view/en/3RH2431-1LW80-0LA0/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RH2431-1LW80-0LA0







last change: Jul 21, 2014