## **SIEMENS**

Data sheet 3RH2122-2BB40



Contactor relay, 2 NO + 2 NC, 24 V DC, Size S00, Spring-type terminal

product brand name	SIRIUS
product designation	Auxiliary contactor
product type designation	3RH2
General technical data	
size of contactor	S00
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance at rectangular impulse	
• at DC	10g / 5 ms, 5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 8g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul><li>during operation</li></ul>	-25 +60 °C
<ul><li>during storage</li></ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
no-load switching frequency	
• at AC	10 000 1/h
• at DC	10 000 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1

Adding power of magnet coil at DC   closing delay   at DC   30 100 ms		AW
Closing delay	closing power of magnet coil at DC	4 W
		4 W
ear to DC   arrivable   arri		
* at DC archig time		30 100 ms
Auxiliary circuit		
Auxiliary circuit   number of NC contacts for auxiliary contacts   c   instantaneous contact   2   c   instantaneous contact   2   c   instantaneous contact   2   c   instantaneous contact   2   c   identification number and letter for switching cloments   coperational current at AC-15   c   10 A   c   at 400 V rated value   10 A   c   at 400 V rated value   2 A   at 400 V rated value   2 A   at 600 V rated value   2 A   at 600 V rated value   2 A   at 600 V rated value   3 A   at 600 V rated value   4 A   at 440 V rated value   5 A   at 600 V rated value   6		
number of NC contacts for auxiliary contacts  • instantaneous contact number of NO contacts for auxiliary contacts  • instantaneous contact lidentification number and letter for switching elements operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 110 V rated value • at 600 V		10 15 ms
inistantaneous contact   2	Auxiliary circuit	
number of NO contacts for auxiliary contacts   2		
Instantaneous contact   Identification number and letter for switching elements   22 E		
Identification number and letter for switching elements   operational current at AC-12 maximum   10 A     operational current at AC-15     at 230 V rated value   3 A     at 500 V rated value   2 A     at 500 V rated value   10 A     at 500 V rated value   2 A     at 500 V rated value   3 A     at 500 V rated value   3 A     at 220 V rated value   3 A     at 220 V rated value   3 A     at 220 V rated value   4 A     at 440 V rated value   0.3 A     at 320 V rated value   0.15 A     at 440 V rated value   0.15 A     at 440 V rated value   10 A     at 440 V rated value   4 A     at 42 V rated value   2 A     at 42 V rated value   4 A     at 22 O V rated value   2 A     at 42 V rated value   2 A     at 42 V rated value   4 A     at 42 V rated value   2 A     at 42 V rated value   2 A     at 42 V rated value   3 A     at 22 O V rated value   4 A     at 42 O V rated value   5 A     at 42 V rated value   10 A     at 60 V rated value   10 A     at 10 V rated value   10 A     at 110 V rated value   10 A     at 40 V rated value   10 A     at 40 V rated value   10 A     at 40 V rated value   2.5 A     at 40 V rated value   2.5 A     at 40 V rated value   10 A     at 40 V rated value   0.3 A     at 44 V rated value   0.3 A     at 44 V rated value   0.4 A     at 40 V rated val	-	
elements		
10 A   1230 V rated value   10 A   13 A   14 A   15 A	•	22 E
* at 230 V rated value * at 400 V rated value * at 690 V rated value * at 110 V rated value * at 120 V rated value * at 24 V rated value * at 440 V rated value * at 600 V rated value * at 110 V rated value * at 120 V rated value * at 120 V rated value * at 600 V rated value	operational current at AC-12 maximum	10 A
at 400 V rated value     at 500 V rated value     at 690 V rated value     at 690 V rated value     at 690 V rated value     at 110 V rated value     at 110 V rated value     at 110 V rated value     at 220 V rated value     at 40 V rated value     at 400 V rated value     at 400 V rated value     at 600 V rated value     at 40 V rated value     at 40 V rated value     at 600 V rated value     at 600 V rated value     at 110 V rated value     at 110 V rated value     at 600 V rated value     at 110 V rated value     at 440 V rated value     at 600 V rated valu	operational current at AC-15	
	<ul> <li>at 230 V rated value</li> </ul>	10 A
• at 690 V rated value operational current at 1 current path at DC-12 • at 124 V rated value • at 110 V rated value • at 440 V rated value • at 600 V rated value • at 110 V rated value • at 1220 V rated value • at 1220 V rated value • at 1220 V rated value • at 600 V rated value • at 100 V rated value • at 110 V rated value • at 110 V rated value • at 1440 V rated value • at 600 V rated value • at 110 V rated value • at 600 V rated value • at 400 V rated	<ul><li>at 400 V rated value</li></ul>	3 A
at 24 V rated value	<ul> <li>at 500 V rated value</li> </ul>	2 A
	<ul> <li>at 690 V rated value</li> </ul>	1 A
**at 110 V rated value 1 A A	operational current at 1 current path at DC-12	
	• at 24 V rated value	10 A
	• at 110 V rated value	3 A
• at 600 V rated value operational current with 2 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 110 V rated value • at 110 V rated value • at 600 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 250 V rated value • at 260 V rated value • at 600 V rated value • at 440 V rated value • at 600 V rated value • at 40 V rated value • at 600 V rated value • at 40 V rated value • at 600 V rated value • at 40 V rated value • at 600 V rated value	<ul> <li>at 220 V rated value</li> </ul>	1 A
operational current with 2 current paths in series at DC-12  • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value • at 440 V rated value • at 440 V rated value • at 600 V rated value • at 110 V rated value • at 10 A • at 220 V rated value • at 440 V rated value • at 440 V rated value • at 600 V rated value • at 110 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 40 V rated value • at 600 V rated value • at 40 V rated value • at 600 V rated value • at 40 V rated value • at 40 V rated value • at 600 V rated value • at 40 V rated value • at 600 V rated value • 0.1 A	• at 440 V rated value	0.3 A
DC-12	• at 600 V rated value	0.15 A
<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 440 V rated value</li> <li>oberational current 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 60 V rated value</li> <li>at 110 V rated value</li> <li>at 120 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 24 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 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 240 V rated value</li> <li>at 440 V rated value</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 440 V rated value</li> <li>operational current with 3 current paths in series at DC-12</li> <li>at 24 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 110 V rated value</li> <li>at 220 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 220 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 600 V rated value</li> <li>at 70 A</li> <li>at</li></ul>	<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <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 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 24 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 24 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 25 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 26 V rated value</li> <li>at 27 V rated value</li> <li>at 27 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>at 27 V rated value</li> <li>at 28 V rated value</li> <li>at 28 V rated value</li> <li>at 28 V rated value</li> <li>at 29 V rated value</li> <li>at 29 V rated value</li> <li>at 20 V rated va</li></ul>	<ul><li>at 60 V rated value</li></ul>	10 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>operational current with 3 current paths in series at DC-12</li> <li>at 24 V rated value</li> <li>at 10 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 700 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 600 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 220 V rated value</li> <li>at 3 A</li> <li>at 220 V rated value</li> <li>at 3 A</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li>     &lt;</ul>	<ul> <li>at 110 V rated value</li> </ul>	4 A
• at 600 V rated value  operational current 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 600 V rated value • at 1000 1/h  operational current at 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 440 V rated value • at 600 V rated value • at 600 V rated value  operational current with 2 current paths in series at DC-13 • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 440 V rated value • at 60 V rated value • at 440 V rated value • at 600 V rated value • at 440 V rated value • at 600 V rated value	<ul> <li>at 220 V rated value</li> </ul>	2 A
operational current 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 600 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 29 V rated value • at 20 V rated value • at 440 V rated value • at 20 V rated value • at 440 V rated value	<ul> <li>at 440 V rated value</li> </ul>	1.3 A
DC-12	<ul> <li>at 600 V rated value</li> </ul>	0.65 A
<ul> <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>operating frequency at DC-12 maximum</li> <li>operational current at 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 220 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 24 V rated value</li> <li>at 25 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 210 V rated value</li> <li>at 220 V rated value</li> <li>at 240 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value<!--</th--><th></th><th></th></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>at 600 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 220 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 220 V rated value</li> <li>at 24 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 24 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 24 V rated value</li> <li>at 25 V rated value</li> <li>at 20 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated va</li></ul>	at 24 V rated value	10 A
<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>at 600 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 220 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 220 V rated value</li> <li>at 24 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 24 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 24 V rated value</li> <li>at 25 V rated value</li> <li>at 20 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated va</li></ul>	● at 60 V rated value	10 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>1.8 A</li> <li>operating frequency at DC-12 maximum</li> <li>operational current at 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 24 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 24 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 10 A</li> <li>at 20 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 220 V rated value</li> <li>at 240 V rated value</li> <li>at 250 V rated value</li> <li>at 260 V rated value</li> <li>at 270 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 70 V rated value</li> <li>at 70 V rated value</li> <li>at 70 V rated value</li></ul>		
<ul> <li>at 600 V rated value</li> <li>operating frequency at DC-12 maximum</li> <li>operational current at 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>operational current 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 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 220 V rated value</li> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 250 V rated value</li> <li>at 260 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul>	at 220 V rated value	3.6 A
operating frequency at DC-12 maximum operational current at 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 24 V rated value • at 60 V rated value  operational current with 2 current paths in series at DC-13  • at 24 V rated value • at 60 V rated value • at 20 V rated value • at 60 V rated value • at 440 V rated value • at 600 V rated value	at 440 V rated value	2.5 A
operational current at 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  operational current 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 20 V rated value • at 40 V rated value • at 40 V rated value • at 40 V rated value • at 440 V rated value • at 600 V rated value		
operational current at 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 24 V rated value  operational current 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 • at 600 V rated value		
<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>operational current 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 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 100 V rated value</li> <li>at 100 V rated value</li> <li>at 200 V rated value</li> <li>at 200 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</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>operational current 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 440 V rated value</li> <li>at 600 V rated value</li> </ul>		10 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>operational current 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 440 V rated value</li> <li>at 600 V rated value</li> </ul>	• at 110 V rated value	1 A
<ul> <li>at 600 V rated value</li> <li>operational current 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 440 V rated value</li> <li>at 600 V rated value</li> </ul>	• at 220 V rated value	0.3 A
operational current 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  • at 600 V rated value	• at 440 V rated value	0.14 A
<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 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul>	• at 600 V rated value	0.1 A
<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 600 V rated value</li> <li>at 600 V rated value</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>0.2 A</li> <li>0.1 A</li> </ul>	at 24 V rated value	10 A
<ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>0.2 A</li> <li>0.1 A</li> </ul>	at 60 V rated value	3.5 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>0.2 A</li> <li>0.1 A</li> </ul>	• at 110 V rated value	1.3 A
• at 600 V rated value 0.1 A	at 220 V rated value	0.9 A
	• at 440 V rated value	0.2 A
	• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13		
• at 24 V rated value 10 A		10 A
• at 60 V rated value 4.7 A		
• at 110 V rated value 3 A		
• at 220 V rated value 1.2 A		
• at 440 V rated value 0.5 A		
• at 600 V rated value 0.26 A	at 600 V rated value	

## operating frequency at DC-13 maximum

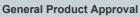
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V contact reliability of auxiliary contacts

1 000 1/h

C characteristic: 6 A; 0.4 kA

contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)	
UL/CSA ratings		
contact rating of auxiliary contacts according to UL	A600 / Q600	
Short-circuit protection		
design of the fuse link 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	
mounting position	forward and backward by +/- 22.5° on vertical mounting surface	
fastening method	screw and snap-on mounting onto 35 mm DIN rail	
height	70 mm	
width	45 mm	
depth	73 mm	
required spacing		
<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	0 mm	
<ul> <li>for grounded parts</li> </ul>		
— forwards	10 mm	
— upwards	10 mm	
— at the side	6 mm	
— downwards	10 mm	
<ul><li>for live parts</li></ul>		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	6 mm	
Connections/ Terminals		
type of electrical connection for auxiliary and control circuit	spring-loaded terminals	
type of connectable conductor cross-sections		
<ul> <li>for auxiliary contacts</li> </ul>		
<ul><li>— solid or stranded</li></ul>	2x (0,5 4 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 2.5 mm²)	
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)	
at AWG cables for auxiliary contacts	2x (20 12)	
Safety related data		
product function positively driven operation according to IEC 60947-5-1	Yes	
B10 value with high demand rate according to SN 31920	1 000 000; With 0.3 x le	
proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
T1 value for proof test interval or service life according to IEC 61508	20 a	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Certificates/ approvals		

Certificates/ approvals







Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 

**Environment** 



Confirmation



Vibration and Shock

<u>Transport Information</u>

Environmental Confirmations

## **Further information**

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2122-2BB40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2122-2BB40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2122-2BB40

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

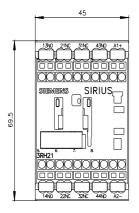
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2122-2BB40&lang=en

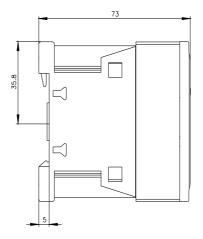
Characteristic: Tripping characteristics, I2t, Let-through current

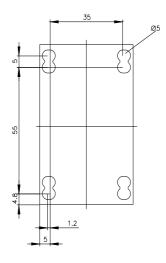
https://support.industry.siemens.com/cs/ww/en/ps/3RH2122-2BB40/char

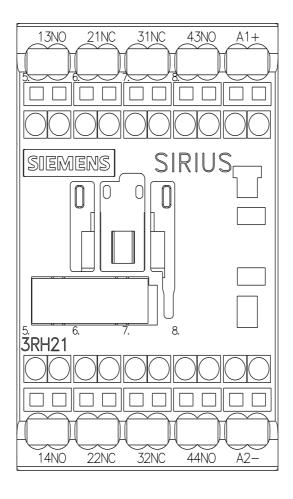
Further characteristics (e.g. electrical endurance, switching frequency)

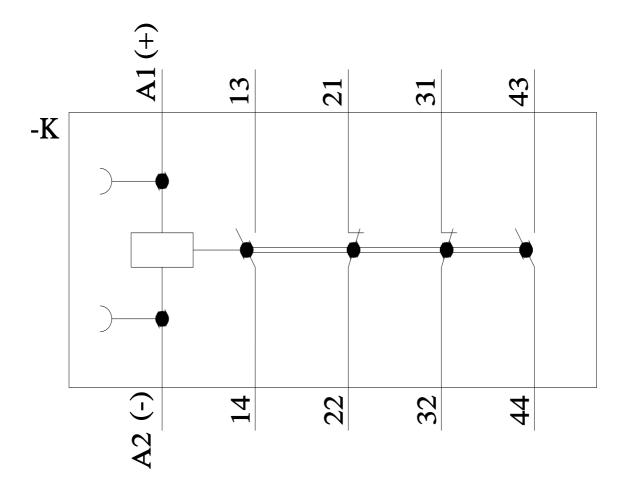
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2122-2BB40&objecttype=14&gridview=view1











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