SIEMENS

Data sheet

3RH2344-1AP00-0KA0



Contactor relay, 4 NO + 4 NC, 230 V AC, 50 / 60 Hz, Size S00, screw terminal, Removable auxiliary switch EN 50005

product brand name	SIRIUS
product designation	Auxiliary contactor
product type designation	3RH2
General technical data	
size of contactor	S00
product extension auxiliary switch	No
power loss [W] for rated value of the current without load current share typical	1.43 W
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 AC	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
reference code according to IEC 81346-2	К
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
 during storage 	-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	AC
control supply voltage at AC	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
operating range factor control supply voltage rated value of magnet coil at AC	

a at 50 Hz	0.8 11
● at 50 Hz ● at 60 Hz	0.8 1.1 0.85 1.1
apparent pick-up power of magnet coil at AC	0.85 1.1 37 VA
	0.8
inductive power factor with closing power of the coil	 5.7 VA
apparent holding power of magnet coil at AC	0.25
inductive power factor with the holding power of the coil	0.20
closing delay	8 33 ms
opening delay	0 55 IIIS
• at AC	4 15 ms
arcing time	10 15 ms
Auxiliary circuit	10 10 113
number of NC contacts for auxiliary contacts	4
instantaneous contact	4
number of NO contacts for auxiliary contacts	4
instantaneous contact	4
identification number and letter for switching elements	44 E
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
at 400 V rated value	3 A
at 500 V rated value	2 A
at 690 V rated value	1A
operational current at 1 current path at DC-12	
at 24 V rated value	10 A
at 110 V rated value	3 A
at 220 V rated value	1A
• at 440 V rated value	0.3 A
at 600 V rated value	0.15 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
• at 440 V rated value	1.3 A
• at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	10 A
• at 220 V rated value	3.6 A
• at 440 V rated value	2.5 A
• at 600 V rated value	1.8 A
operating frequency at DC-12 maximum	1 000 1/h
operational current at 1 current path at DC-13	
at 24 V rated value	6 A
• at 110 V rated value	1 A
• at 220 V rated value	0.3 A
• at 440 V rated value	0.14 A
at 600 V rated value	0.1 A
operational current with 2 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	3.5 A
• at 110 V rated value	1.3 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
at 60 V rated value	4.7 A
 at 110 V rated value 	3 A

• at 400 V raded value 0.5 A • at 600 V raded value 0.20 A operating frequency at 0C-13 maximum 1000 1/h design of the miniture circuit bracker for short-circuit protection C characteristic: 6 A: 0.4 kA def ha unable y circuit of the 230 V 1 faulty switching per 100 million (17 V, 1 mA) UCSA rating of auxiliary contacts according to UL A600 / 0600 hort-circuit protection 4600 / 0600 design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating design of the fuse link for short-circuit protection of the auxiliary switching per 100 million (17 V, 1 mA) UCSA rating is fasting method 57 min	at 000) / mate division	4.0.4		
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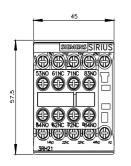


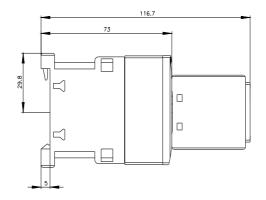
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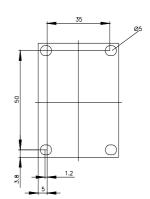


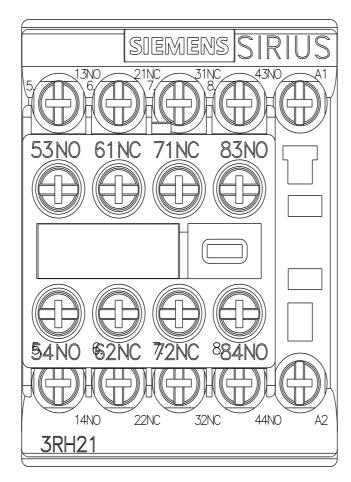
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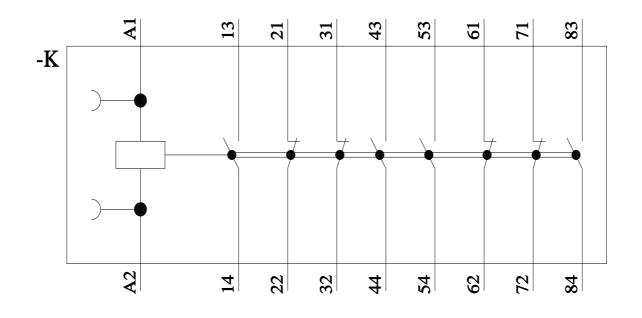
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