Automation Technology > Industrial Controls > Switching Devices > Contactors and Contactor Assemblies > Contactor Relays > Contactor Relays SIRIUS 3RH1, 4- and 8-pole

3RH1131-1AK60 CONTACTOR RELAY, 3NO+1NC,

Technical / CAx data

Technical Data CAx data



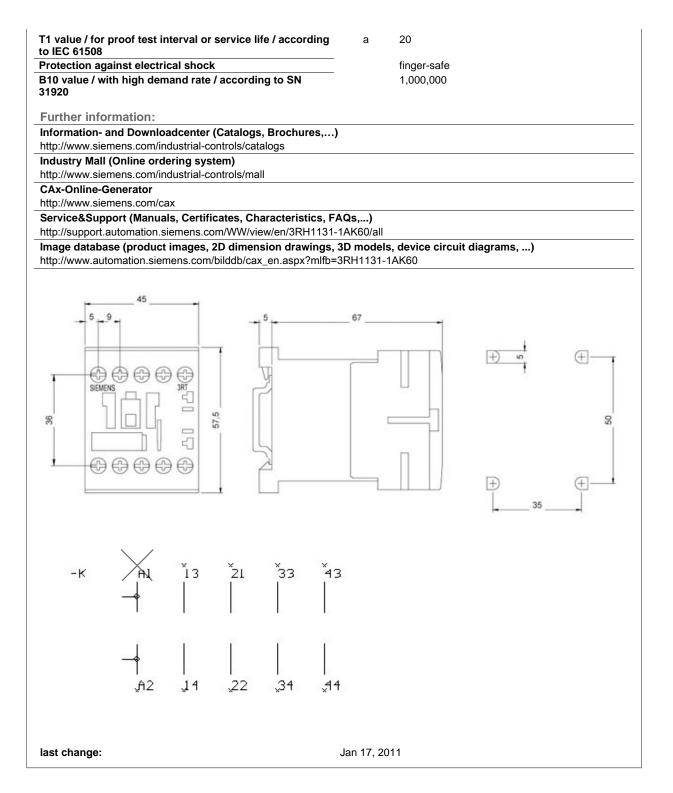
CONTACTOR RELAY, 3NO+1NC, AC 110 V 50 HZ / 120 V 60 HZ SCREW CONNECTION, SIZE S00  $\,$ 

## General details:

General details:		
product brand name		SIRIUS
product designation		contactor relay
Size of the contactor		S00
Protection class IP / on the front		IP20
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 transport	°C	-5580
<ul> <li>during storage</li> </ul>	°C	-5580
during the operating phase	°C	-2560
Contact reliability		one incorrect switching operation of 100 million switching operations (17 V, 1 mA)
Resistance against shock		10g / 5 ms and 5g / 10 ms
Impulse voltage resistance / rated value	kV	6
Item designation		
<ul> <li>according to DIN EN 61346-2</li> </ul>		К
<ul> <li>according to DIN 40719 extendable after</li> </ul>		K
IEC 204-2 / according to IEC 750		
<u> </u>		
Mechanical operating cycles as operating time		
<ul> <li>of the contactor / typical</li> </ul>		30,000,000
of the contactor with added auxiliary switch		10,000,000
•		
block / typical		
<ul> <li>of the contactor with added electronics-</li> </ul>		5,000,000
compatible auxiliary switch block / typical		

Control circuit:		
Type of voltage / of the controlled supply voltage		AC
Control supply voltage frequency		
<ul><li>1 / rated value</li></ul>	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	120
Working range factor supply voltage rated value / of the		
magnet coil		
• at 50 Hz		
• for AC		0.81.1
• at 60 Hz		
• for AC		0.851.1
Apparent pull-in power / of the solenoid / for AC	V·A	27
Apparent holding power / of the solenoid / for AC	V-A	4.6
Inductive power factor		
<ul> <li>with the pull-in power of the coil</li> </ul>		0.8
<ul> <li>with the pull-in power of the coil</li> </ul>		0.27
Auxiliary circuit:		
Product extension / auxiliary switch		Yes
Identification number and letter for switching elements		31 E
Contact reliability / of the auxiliary contacts  Number of NC contacts / for auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
delayed switching		0
· · · · · · · · · · · · · · · · · · ·		1
instantaneous switching		0
asynchronous switching		0
lagging switching		
Number of NO contacts / for auxiliary contacts		3 3
instantaneous switching		0
delayed switching		0
asynchronous switching		
leading switching		0
Number of changeover contacts		_
<ul> <li>for auxiliary contacts</li> </ul>		0
<ul> <li>of the auxiliary contacts / instantaneous</li> </ul>		0
switching		
Operating current / of the auxiliary contacts		
<ul><li>at AC-12 / maximum</li></ul>	Α	10
• at AC-15		
• at 230 V	Α	6
• at 400 V	Α	3
<ul><li>at 500 V</li></ul>	Α	2
<ul><li>at 500 V</li><li>at 690 V</li></ul>	A A	2 1
• at 690 V		

• at 24 V	Α	10			
• at 110 V	Α	3			
• at 220 V	Α	1			
• at DC-13					
• at 24 V	А	10			
	Α	1			
• at 110 V	A	·			
• at 220 V	A	0.22			
Short-circuit:					
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A			
Installation/mounting/dimensions:					
Built in orientation			nting surface +/-180 nting surface +/- 30 k		
Type of mounting	=	screw and snap-			
Width	mm	45			
Height	_ mm	57.5 72			
Depth Distance, to be maintained, to the ranks assembly /	_ mm _ mm	0			
sidewards	•••••	·			
Connections:					
Design of the electrical connection / for auxiliary and control current circuit  Type of the connectable conductor cross-section	_	screw-type terminals			
<ul> <li>for auxiliary contacts</li> </ul>		0/0.5	0) 0: (0.75	0)	
• solid		2x (0.51.5 mm2), 2x (0.75 2.5 mm2), max. 2x (1 4 mm2)			
<ul> <li>finely stranded</li> </ul>					
<ul> <li>with conductor end processing</li> </ul>		2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)			
for AWG conductors / for auxiliary contacts		2x (20 16), 2x (18 14), 1x 12			
Certificates/approvals:					
Verification of suitability		CSA / UL / CCC RINA	/ GL / LRS / BV / DI	NV / RMRS /	
General Product Approval Functional Sa	afety / Safet	y of Machinery	Test Certifica	ites	
CQC 🚯 🕟 SUVA			Manufacture	er	
Shipping Approval					
ABS JÅ			Lloyds Register	PRS	
This A					
Shinning Annroyal other					
Shipping Approval other  Manufacturer					
Manufacturer					
Manufacturer					
Manufacturer  Safety:	%	75			



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