



CONTACTOR RELAY, 4NO+4NC,
NON-DETACHABLE CONTACT BLOCK,
110V AC 50 HZ/120 V 60 HZ,
SCREW TERMINAL, SIZE S00

General technical data:		
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	-55 ... +80
• during storage	°C	-55 ... +80
• during operating	°C	-25 ... +60
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
Reference code		
• according to DIN EN 61346-2		K
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K
• according to DIN EN 81346-2		K

Mechanical operating cycles as operating time			10,000,000
• of the contactor / typical			
Control circuit/ Control:			
Voltage type / of control feed voltage			AC
Control supply voltage frequency			
• 1 / rated value		Hz	50
• 2 / rated value		Hz	60
Control supply voltage			
• at 50 Hz / at AC / rated value		V	110
• at 60 Hz / at AC / rated value		V	120
Operating range factor control supply voltage rated value / of the magnet coil			
• at 50 Hz			0.8 ... 1.1
• for AC			
• at 60 Hz			0.85 ... 1.1
• for AC			
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			
• with the pull-in power of the coil			0.8
• with the pull-in power of the coil			0.27
Auxiliary circuit:			
Product extension / auxiliary switch			No
Identification number and letter for switching elements			44 E
Contact reliability / of the auxiliary contacts			1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts			4
• delayed switching			0
• instantaneous switching			4
• asynchronous switching			0
• lagging switching			0
Number of NO contacts / for auxiliary contacts			4
• instantaneous switching			4
• delayed switching			0
• asynchronous switching			0
• leading switching			0
Number of changeover contacts			
• for auxiliary contacts			0
• of the auxiliary contacts / instantaneous switching			0
Operating current			

• at AC-12 / maximum • at AC-15 • at 230 V / rated value • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value	A	10
	A	6
	A	3
	A	2
	A	1
Operating current / with 1 current path		
• at DC-12 • at 24 V / rated value • at 110 V / rated value • at 220 V / rated value • at DC-13 • at 24 V / rated value • at 110 V / rated value • at 220 V / rated value	A	10
	A	3
	A	1
	A	10
	A	1
	A	0.27
Short-circuit:		
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 forward and backward by +/- 22.5° on vertical mounting surface
Mounting type		screw and snap-on mounting
Width	mm	45
Height	mm	57.5
Depth	mm	111
Distance, to be maintained, to the ranks assembly / sideways	mm	0
Connections/ terminals:		
Design of the electrical connection / for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for auxiliary contacts • solid • finely stranded • with conductor end processing • for AWG conductors / for auxiliary contacts		2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm² 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12
Certificates/ approvals:		
Verification of suitability		CSA / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA

General Product Approval	Functional Safety / Safety of Machinery	Declaration of Conformity
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[Type Examination](#)



Test Certificates	Shipping Approval
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[Special Test
Certificate](#)

[Type Test
Certificates/Test
Report](#)



other

[other](#)

[Environmental
Confirmations](#)

Safety related data:

Proportion of dangerous failures

- with high demand rate / according to SN 31920
- with low demand rate / according to SN 31920

%	75
%	40

Protection against electrical shock

finger-safe

T1 value / for proof test interval or service life / according to IEC 61508

a	20
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B10 value / with high demand rate

- according to SN 31920
- note

1,000,000
With 0.3 x Ie

Further information:

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/>

Cax online generator

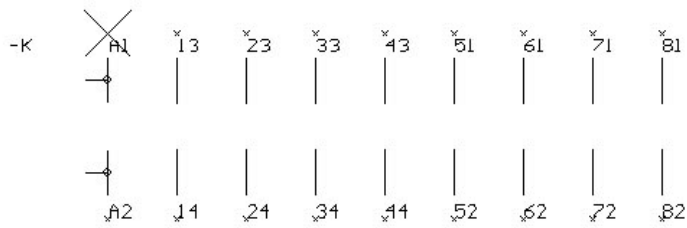
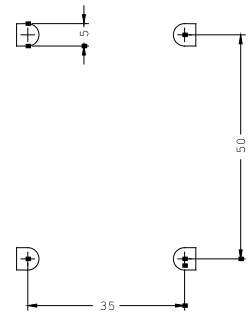
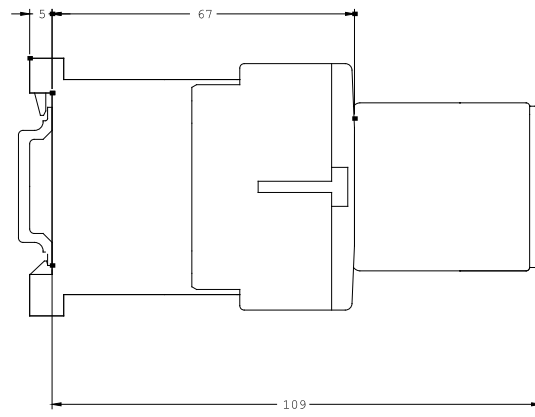
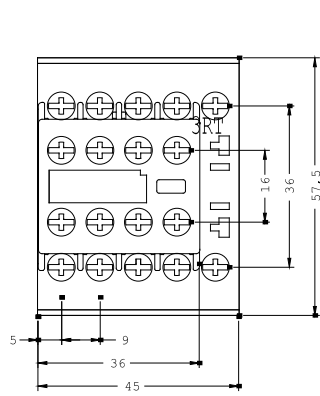
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH1244-1AK60/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1244-1AK60



last change:

Jul 21, 2014