

CONTACTOR RELAY, 3NO+1NC, AC 220 V,
50 HZ, CAGE CLAMP CONNECTION, SIZE S00



勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

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 -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
Item designation	
• according to DIN EN 61346-2	K
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	K
Mechanical operating cycles as operating time	

- of the contactor / typical
- of the contactor with added auxiliary switch block / typical
- of the contactor with added electronics-compatible auxiliary switch block / typical

30,000,000
10,000,000
5,000,000

Control circuit:

Type of voltage / of the controlled supply voltage

AC

Control supply voltage frequency

- 1 / rated value
- 2 / rated value

Hz 50
Hz 60

Control supply voltage / 1

- at 50 Hz
 - for AC / rated value
- at 60 Hz
 - for AC / rated value

V 230
V 230

operating range factor control supply voltage rated value / of the magnet coil

- at 50 Hz
 - for AC
- at 60 Hz
 - for AC

0.8 ... 1.1
0.85 ... 1.1

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

- with the pull-in power of the coil
- with the pull-in power of the coil

0.8
0.27

Auxiliary circuit:

Product extension / auxiliary switch

Yes

Identification number and letter for switching elements

31 E

Contact reliability / of the auxiliary contacts

1 faulty switching per 100 million (17 V, 1 mA)

Number of NC contacts / for auxiliary contacts

- delayed switching
- instantaneous switching
- asynchronous switching
- lagging switching

1
0
1
0
0

Number of NO contacts / for auxiliary contacts

- instantaneous switching
- delayed switching
- asynchronous switching
- leading switching

3
3
0
0
0

Number of changeover contacts		
• for auxiliary contacts		0
• of the auxiliary contacts / instantaneous switching		0
Operating current / of the auxiliary contacts		
• at AC-12 / maximum	A	10
• at AC-15		
• at 230 V	A	6
• at 400 V	A	3
• at 500 V	A	2
• at 690 V	A	1
• with 1 current path		
• at DC-12		
• at 24 V	A	10
• at 110 V	A	3
• at 220 V	A	1
• at DC-13		
• at 24 V	A	10
• at 110 V	A	1
• at 220 V	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

Type of mounting

screw and snap-on mounting

Width

mm 45

Height

mm 60

Depth

mm 73

Distance, to be maintained, to the ranks assembly / sideways

mm 0

Connections:

Design of the electrical connection / for auxiliary and control current circuit

Cage Clamp terminals

Type of the connectable conductor cross-section

• for auxiliary contacts

• solid

2x (0.25 ... 2.5 mm²)

• finely stranded

• with conductor end processing

2x (0.25 ... 1.5 mm²)

- without conductor final cutting
- for AWG conductors / for auxiliary contacts

2x (0.25 ... 2.5 mm²)

2x (24 ... 14)

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



CCC



CSA



GOST



UL

[Type Examination](#)



EG-Konf.

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

other



RINA



RMRS

[other](#)

[Environmental Confirmations](#)

Safety:

Proportion of dangerous failures

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

% 75

% 40

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

a 20

Protection against electrical shock

finger-safe

B10 value / with high demand rate / according to SN 31920

1,000,000

Further information:

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

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

Industry Mall (Online ordering system)

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

CAX-Online-Generator

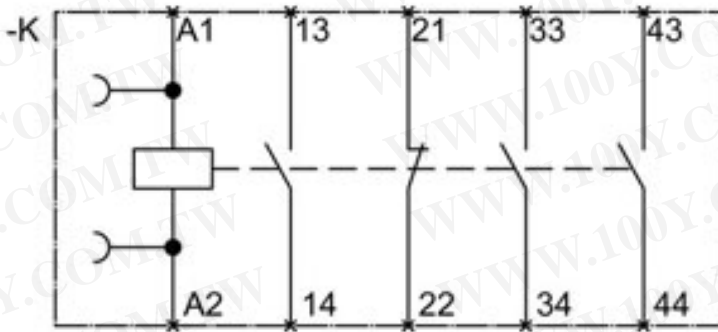
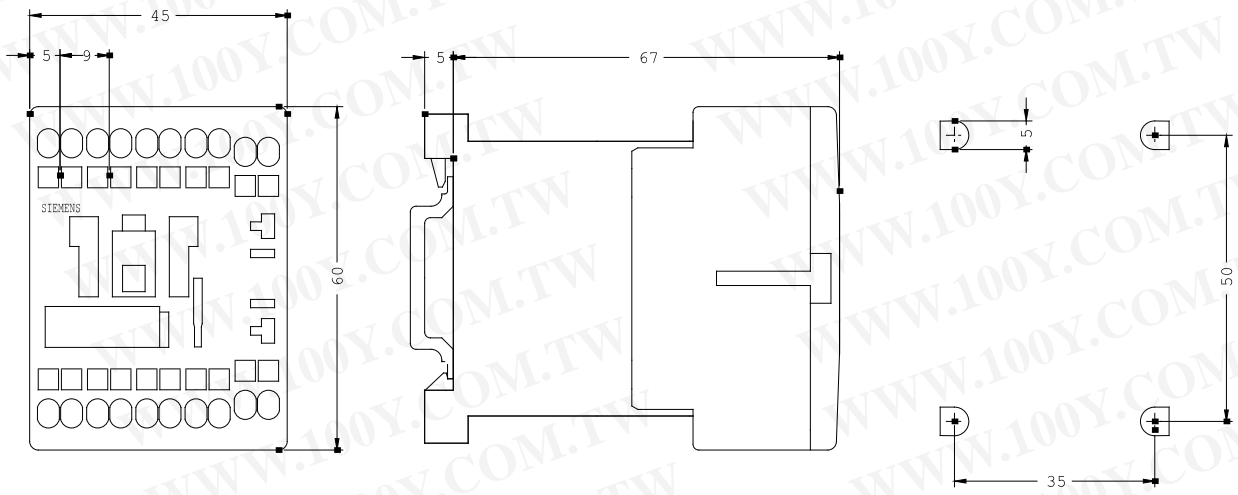
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH1131-2AP00/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1131-2AP00



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