

CONTACTOR RELAY, 3NO+1NC, DC 24 V,
SCREW CONNECTION, SIZE S00



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 phase	°C	-25 ... 60
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	30,000,000	

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

10,000,000

5,000,000

Control circuit:**Type of voltage / of the controlled supply voltage**

DC

Control supply voltage / 1

- for DC / rated value

V

24

Working range factor supply voltage rated value / of the magnet coil

- for DC

0.8 ... 1.1

Pull-in power / of the solenoid / for DC

W

3.2

Holding power / of the solenoid / for DC

W

3.2

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
- of the auxiliary contacts / instantaneous switching

0

0

Operating current / of the auxiliary contacts

- at AC-12 / maximum
- at AC-15
 - at 230 V
 - at 400 V
 - at 500 V
 - at 690 V
- with 1 current path
 - at DC-12
 - at 24 V

A

10

A

6

A

3

A

2

A

1

A

10

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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- at 110 V
- at 220 V
- at DC-13
- at 24 V
- at 110 V
- at 220 V

A	3
A	1
A	10
A	1
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

with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back

Type of mounting

screw and snap-on mounting

Width

mm 45

Height

mm 57.5

Depth

mm 72

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

mm 0

Connections:

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), max. 2x (1 ... 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

Test Certificates

[CQC](#)

[SUVA](#)

[Manufacturer](#)

Shipping Approval

[ABS](#)

[PRS](#)

Shipping Approval

other

[Manufacturer](#)

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
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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

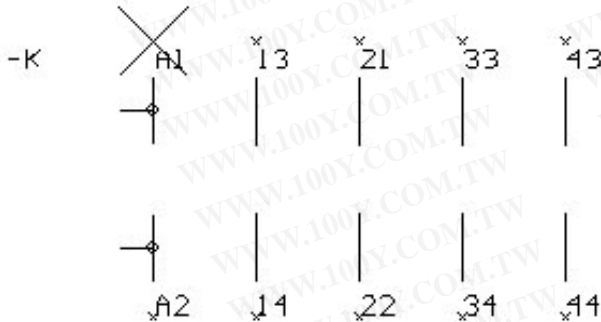
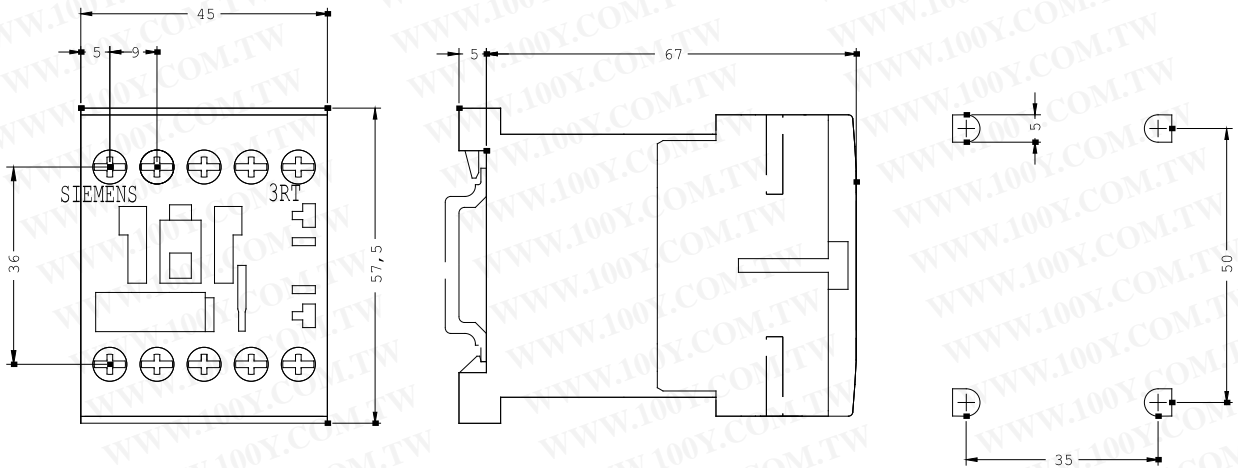
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH1131-1BB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1131-1BB40



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