

CONTACTOR RELAY, 2NO+2NC, 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 / frontal/front side		IP20
Degree of pollution		3
Insulation voltage / with degree of pollution 3 / rated value	V	690
Altitude of installation site / at a height over sea level / maximum	m	2,000
Ambient temperature		
• during transport	°C	-55 ... 80
• during storage	°C	-55 ... 80
• during the 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
Operating range factor control supply voltage rated value / of the solenoid		
• for DC		0.8 ... 1.1
Pull-in power / of the solenoid / with DC	W	3.2
Holding power / of solenoid / with DC	W	3.2
Resistive loss der Magnetspule bei DC typisch		-

Auxiliary circuit:

Product extension / auxiliary switch		Yes
Identification number and letter for switching elements		22 E
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contact		2
• delayed switching		0
• instantaneous switching		2
• asynchronous switching		0
• lagging switching		0
Number of NO contacts / for auxiliary contact		2
• instantaneous switching		2
• delayed switching		0
• asynchronous switching		0
• leading switching		0
Number of changeover contacts		
• for auxiliary contact		0
• of the auxiliary contacts / non-delayed		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
- at 110 V
- at 220 V
- at DC-13
 - at 24 V
 - at 110 V
 - at 220 V

A	10
A	3
A	1
A	10
A	4
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 fixing/fixation

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 connectable conductor cross section

- for auxiliary contacts

- solid

- finely stranded

- with wire 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

Safety:

Proportion of dangerous failures

- with high demand rate / according to SN 31920

% 75

- with low demand rate / according to SN 31920

% 40

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

a 20

Protection against electrical shock

finger-safe

Further information:

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

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

Global Industry Mall (Online ordering system)

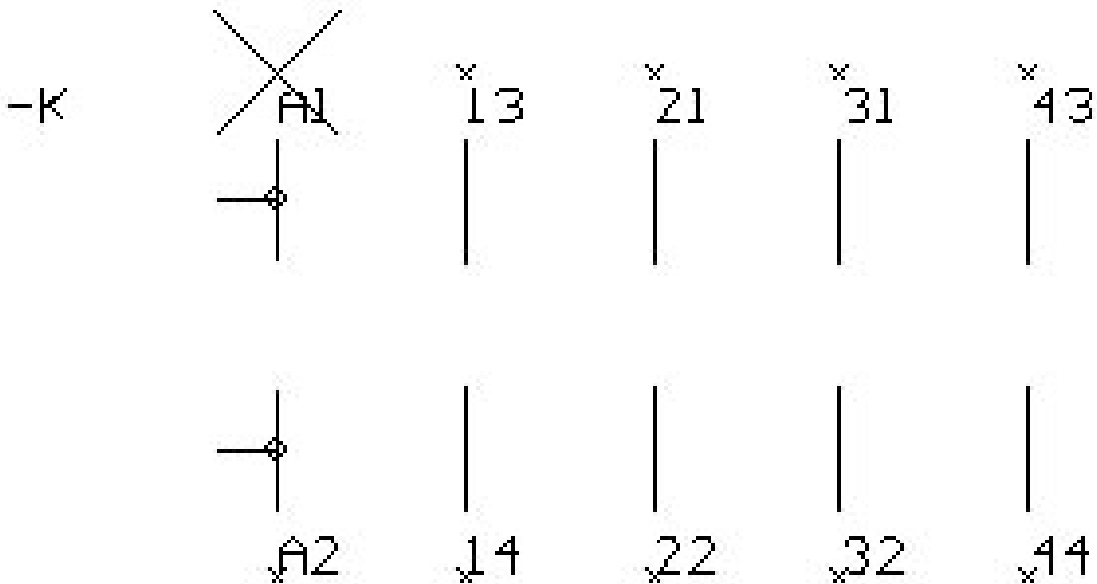
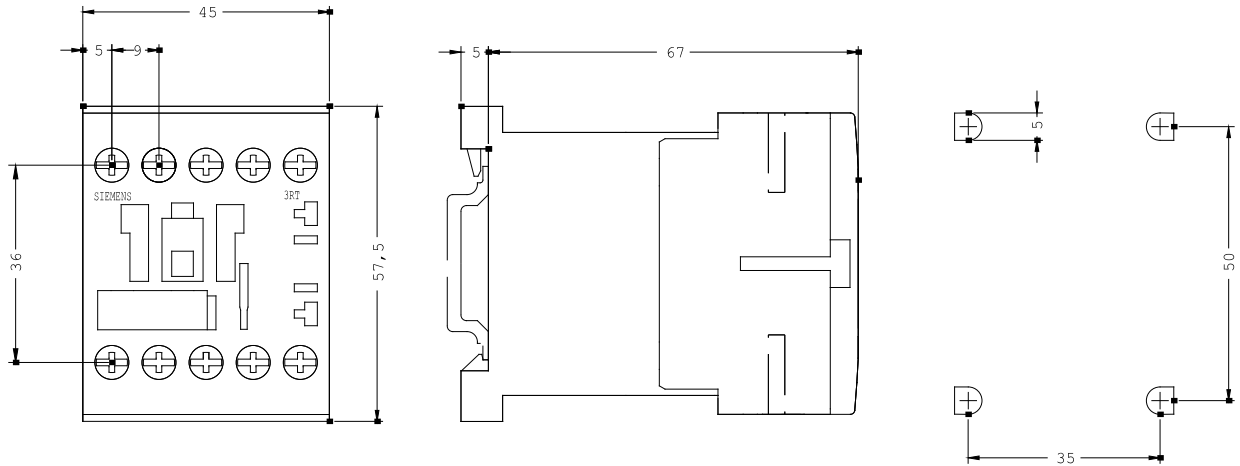
<http://www.siemens.com/industrial-controls/mall>

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

<http://support.automation.siemens.com/WWW/view/en/3RH1122-1BB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1122-1BB40



last change:

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