



COUPLING RELAY F. AUXILIARY CIRCUITS,
3NO+1 NC, 24V DC, SIZE S00,
0.85...1.85XUS, 1.4W,
CAGE CLAMP CONNECTION, VARISTOR BUILT-IN

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 • of the contactor / typical		30,000,000
Control circuit/ Control:		
Voltage type / of control feed voltage		DC
Control supply voltage • for DC / rated value	V	24
Operating range factor control supply voltage rated value / of the magnet coil • for DC		0.85 ... 1.85
Pull-in power / of the solenoid / for DC	W	1.4
Holding power / of the solenoid / for DC	W	1.4
Design of the surge suppressor		with varistor
Auxiliary circuit:		
Product extension / auxiliary switch		No
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 • 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 A A A A	10 6 3 2 1
Operating current / with 1 current path • at DC-12 • at 24 V / rated value	A	10

- 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	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 60

Depth

mm 73

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

mm 0

Connections/ terminals:

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
 - finely stranded
 - with conductor end processing
 - without conductor final cutting
- for AWG conductors / for auxiliary contacts

2x (0.25 ... 2.5 mm²)

2x (0.25 ... 1.5 mm²)

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
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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

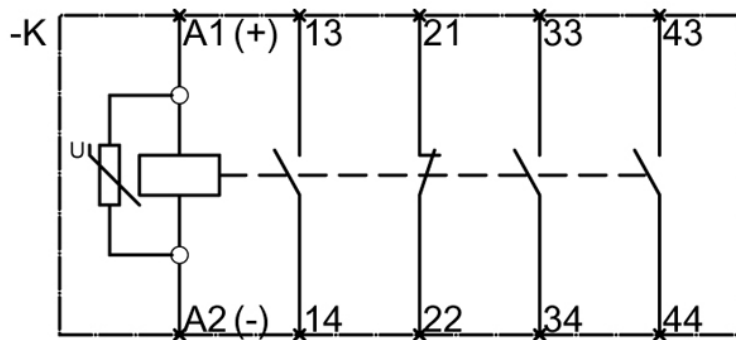
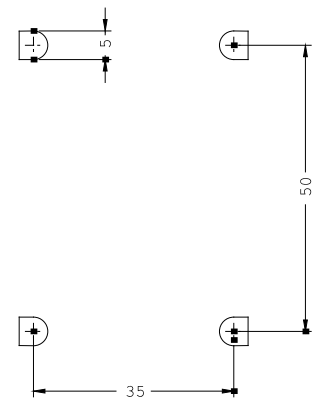
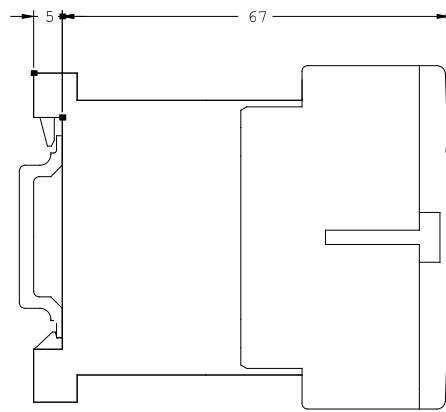
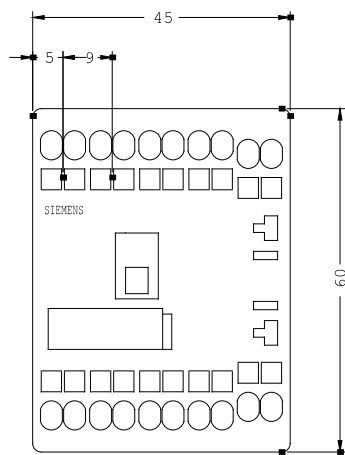
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH1131-2WB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1131-2WB40



last change:

Jul 21, 2014