



COUPLING RELAY, 3NO+1NC, DC 24 V,
0.7...1.25*US,
W.DIODE CAGE CLAMP 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	°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

30,000,000

Control circuit:

Type of voltage / of the controlled supply voltage		DC
operating range factor control supply voltage rated value / of the magnet coil		0.7 ... 1.25
• for DC		
Pull-in power / of the solenoid / for DC	W	2.3
Holding power / of the solenoid / for DC	W	2.3
Design of the surge suppressor		with diode

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		1
• delayed switching		0
• instantaneous switching		1
• asynchronous switching		0
• lagging switching		0
Number of NO contacts / for auxiliary contacts		3
• instantaneous switching		3
• delayed switching		0
• asynchronous switching		0
• leading switching		0
Number of changeover contacts		
• for auxiliary contacts		0
• of the auxiliary contacts / instantaneous switching		0
[nicht versorgt: PMD_ABP551_001_000]		
• [nicht versorgt: PMD_ABP551_001_000]		
•	A	2
• at 690 V	A	1
• [nicht versorgt: PMD_ABP553_001_000]		
• [nicht versorgt: PMD_ABP553_001_000]		
•	A	10
•	A	3
•	A	1
• [nicht versorgt: PMD_ABP558_001_000]		
•	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**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
 - 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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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

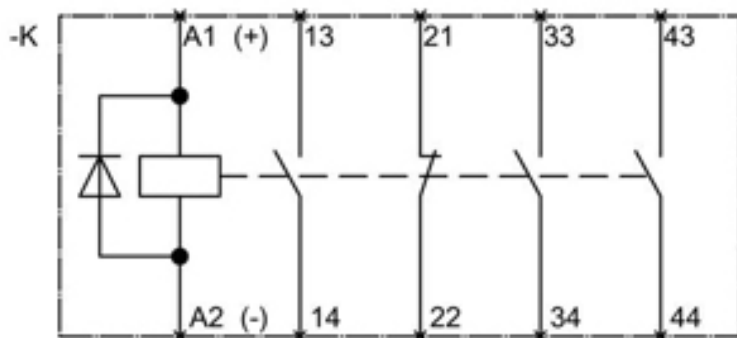
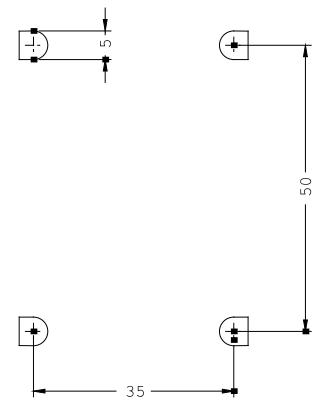
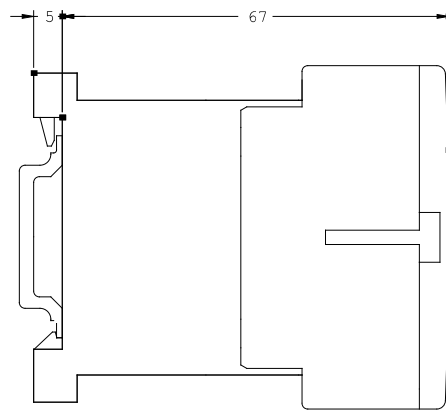
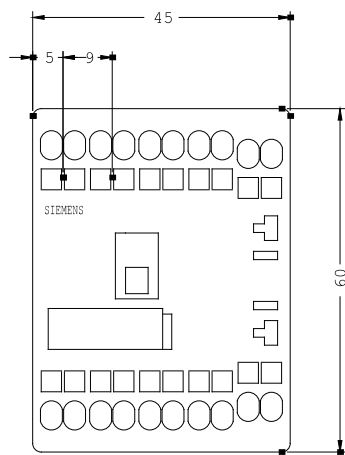
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RH1131-2JB40/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RH1131-2JB40



last change:

Feb 26, 2013