



COUPLING RELAY, 3NO+1NC, DC 24 V,
0.7...1.25*US, W.DIODE SCREW CONNECTION, SIZE
S00

product brand name	SIRIUS
Product designation	contactor relay

General technical data:

Insulation voltage		
• with degree of pollution 3 Rated value	V	690
Degree of pollution		3
Shock resistance		10g / 5 ms and 5g / 10 ms
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
• of the contactor typical		30 000 000
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		K
• acc. to DIN EN 81346-2		K

Control circuit/ Control:

Type of voltage of the control supply 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		0.7 ... 1.25
Design of the surge suppressor		with diode
Closing power of the magnet coil for DC	W	2.3
Holding power of the magnet coil for DC	W	2.3

Auxiliary circuit:

Number of NC contacts		
• for auxiliary contacts		1
— instantaneous contact		1
— delayed switching		0
— lagging switching		0
— make-before-break switching		0
Number of NO contacts		
• for auxiliary contacts		3
— instantaneous contact		3
— delayed switching		0
— leading contact		0
— make-before-break switching		0
Number of CO contacts		
• for auxiliary contacts		0
• of the auxiliary contacts instantaneous contact		0
Product expansion Auxiliary switch		
No		
Identification number and letter for switching elements		
31 E		
Operating current at AC-15		
• at 230 V Rated value	A	6
• at 400 V Rated value	A	3
• at 690 V Rated value	A	1
Contact reliability of the auxiliary contacts		
1 faulty switching per 100 million (17 V, 1 mA)		

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		
Height	mm	57.5
Width	mm	45
Depth	mm	72
Required spacing		
• with side-by-side mounting		
— at the side	mm	0

Connections/ Terminals:

Type of electrical connection		
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• for auxiliary and control current circuit		screw-type terminals
Type of connectable conductor cross-section		
• for auxiliary contacts — solid — finely stranded with core end processing • for AWG conductors for auxiliary contacts		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 1x 12

Safety related data:

B10 value with high demand rate acc. to SN 31920		1 000 000
• Note		With 0.3 x I _e
Proportion of dangerous failures		
• with low demand rate acc. to SN 31920	%	40
• with high demand rate acc. to SN 31920	%	75
T1 value for proof test interval or service life acc. to IEC 61508	y	20
Protection against electrical shock		finger-safe

Mechanical data:

Size of contactor		S00
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Ambient conditions:

Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-55 ... +80
• during transport	°C	-55 ... +80

Certificates/ approvals:

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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[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



Shipping Approval	other
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[other](#)

[Environmental Confirmations](#)

Further information

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

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

Industry Mall (Online ordering system)

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

Cax online generator

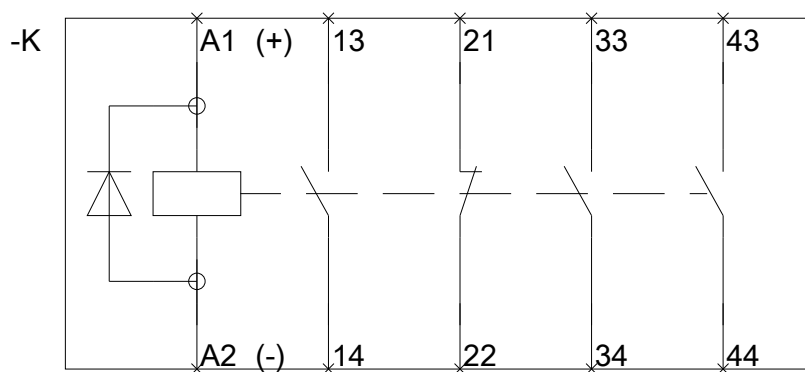
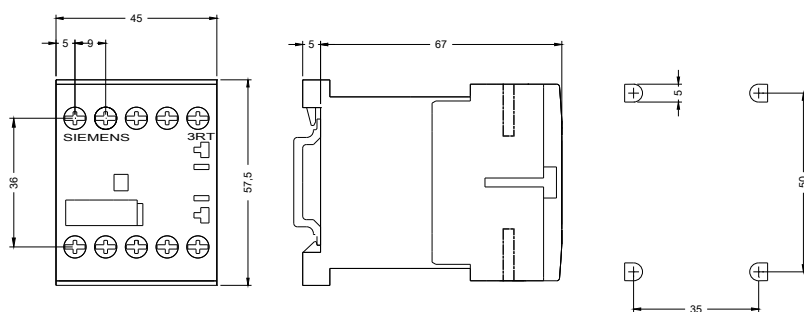
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH11311JB40>

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

<http://support.automation.siemens.com/WW/view/en/3RH11311JB40/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH11311JB40&lang=en



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11.03.2015