



CONTACTOR RELAY, 2NO+2NC, AC 220 V, 50 HZ,  
CAGE CLAMP CONNECTION, SIZE S00

Figure similar

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
• of the contactor with added electronics-compatible auxiliary switch block typical		5 000 000
• of the contactor with added auxiliary switch block typical		10 000 000
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		AC
Control supply voltage with AC		
• at 50 Hz Rated value	V	230
• at 60 Hz Rated value	V	230
• Rated value	Hz	50

<b>Control supply voltage frequency 2 Rated value</b>	Hz	60
<b>Operating range factor control supply voltage rated value of the magnet coil with AC</b>		
• at 50 Hz		0.8 ... 1.1
• at 60 Hz		0.85 ... 1.1
<b>Apparent pick-up power of the magnet coil with AC</b>	V·A	27
<b>Apparent holding power of the magnet coil with AC</b>	V·A	4.6
<b>Inductive power factor</b>		
• with closing power of the coil		0.8
• with the holding power of the coil		0.27

#### Auxiliary circuit:

<b>Number of NC contacts</b>		
• for auxiliary contacts		2
— instantaneous contact		2
— delayed switching		0
— lagging switching		0
— make-before-break switching		0
<b>Number of NO contacts</b>		
• for auxiliary contacts		2
— instantaneous contact		2
— delayed switching		0
— leading contact		0
— make-before-break switching		0
<b>Number of CO contacts</b>		
• for auxiliary contacts		0
• of the auxiliary contacts instantaneous contact		0
<b>Product expansion Auxiliary switch</b>		Yes
<b>Identification number and letter for switching elements</b>		22 E
<b>Operating current at AC-15</b>		
• at 230 V Rated value	A	6
• at 400 V Rated value	A	3
• at 690 V Rated value	A	1
<b>Contact reliability of the auxiliary contacts</b>		1 faulty switching per 100 million (17 V, 1 mA)

#### Short-circuit:

<b>Design of the fuse link</b>		
• for short-circuit protection of the auxiliary switch required		fuse gL/gG: 10 A

#### Installation/ mounting/ dimensions:

<b>mounting position</b>		+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
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<b>Mounting type</b>		screw and snap-on mounting
<b>Height</b>	mm	60
<b>Width</b>	mm	45
<b>Depth</b>	mm	73
<b>Required spacing</b>		
<ul style="list-style-type: none"> <li>• with side-by-side mounting</li> <li>— at the side</li> </ul>	mm	0

#### Connections/ Terminals:

<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>		Cage Clamp terminals
<b>Type of connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— solid</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>• for AWG conductors for auxiliary contacts</li> </ul>		2x (0.25 ... 2.5 mm <sup>2</sup> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 2.5 mm <sup>2</sup> )  2x (24 ... 14)

#### Safety related data:

<b>B10 value with high demand rate acc. to SN 31920</b>		1 000 000
<ul style="list-style-type: none"> <li>• Note</li> </ul>		With 0.3 x I <sub>e</sub>
<b>Proportion of dangerous failures</b>		
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> <li>• with high demand rate acc. to SN 31920</li> </ul>	%	40
	%	75
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	y	20
<b>Protection against electrical shock</b>		finger-safe

#### Mechanical data:

<b>Size of contactor</b>		S00
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#### Ambient conditions:

<b>Installation altitude at height above sea level maximum</b>	m	2 000
<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	°C	-25 ... +60
	°C	-55 ... +80
	°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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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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**

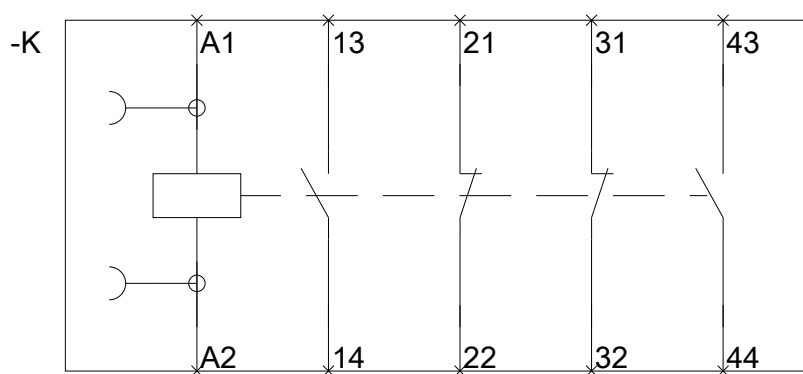
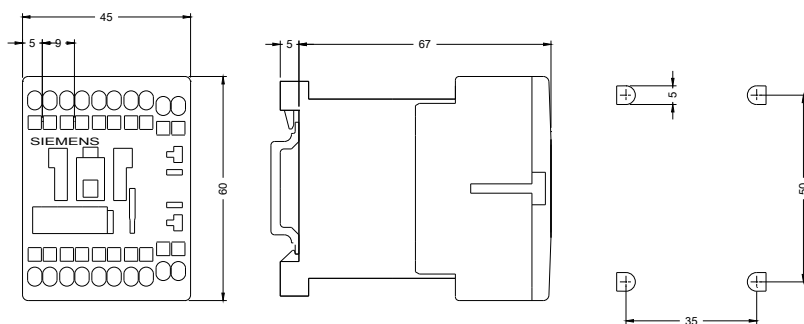
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH11222AP00>

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

<http://support.automation.siemens.com/WW/view/en/3RH11222AP00/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=3RH11222AP00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH11222AP00&lang=en)



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