

CONTACTOR RELAY, 4NO+4NC, DC 125V, SZ S00,RINGCABLE LUG CONNECTION PERMANENT AUX. SWITCH, FOR SUVA APPLICATIONS

product brand name		SIRIUS
Product designation		contactor relay

#### General technical data:

<b>Insulation voltage</b>		
<ul style="list-style-type: none"> <li>with degree of pollution 3 Rated value</li> </ul>	V	690
<b>Degree of pollution</b>		3
<b>Surge voltage resistance Rated value</b>	kV	6
<b>Mechanical service life (switching cycles)</b>		
<ul style="list-style-type: none"> <li>of the contactor typical</li> </ul>		10 000 000
<b>Protection class IP</b>		
<ul style="list-style-type: none"> <li>on the front</li> </ul>		IP20
<b>Equipment marking</b>		
<ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul>		K
<ul style="list-style-type: none"> <li>acc. to DIN EN 81346-2</li> </ul>		K

#### Control circuit/ Control:

<b>Type of voltage of the control supply voltage</b>		DC
<b>Control supply voltage for DC</b>		
<ul style="list-style-type: none"> <li>Rated value</li> </ul>	V	125
<b>Operating range factor control supply voltage rated value of the magnet coil for DC</b>		0.8 ... 1.1
<b>Closing power of the magnet coil for DC</b>	W	4
<b>Holding power of the magnet coil for DC</b>	W	4

#### Auxiliary circuit:

<b>Number of NO contacts</b>		
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<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— instantaneous contact</li> </ul>		4
<b>Product expansion Auxiliary switch</b>		No
<b>Identification number and letter for switching elements</b>		44 E
<b>Operating current at AC-15</b>		
<ul style="list-style-type: none"> <li>• at 230 V Rated value</li> </ul>	A	6
<ul style="list-style-type: none"> <li>• at 400 V Rated value</li> </ul>	A	3
<ul style="list-style-type: none"> <li>• at 690 V Rated value</li> </ul>	A	1
<b>Design of the miniature circuit breaker</b>		
<ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary circuit up to 230 V</li> </ul>		C characteristic: 6 A; 0.4 kA
<b>Contact reliability of the auxiliary contacts</b>		1 faulty switching per 100 million (17 V, 1 mA)

<b>UL/CSA ratings:</b>		
<b>Contact rating of the auxiliary contacts acc. to UL</b>		A600 / Q600

<b>Short-circuit:</b>		
<b>Design of the fuse link</b>		
<ul style="list-style-type: none"> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>		fuse gL/gG: 10 A

<b>Installation/ mounting/ dimensions:</b>		
<b>mounting position</b>		+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail
<b>Height</b>	mm	57.5
<b>Width</b>	mm	45
<b>Depth</b>	mm	116
<b>Required spacing</b>		
<ul style="list-style-type: none"> <li>• for grounded parts</li> <li>— at the side</li> </ul>	mm	6
<ul style="list-style-type: none"> <li>• for live parts</li> <li>— at the side</li> </ul>	mm	6

<b>Connections/ Terminals:</b>		
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>		ring cable connection

<b>Safety related data:</b>		
<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> </ul>	%	40

• with high demand rate acc. to SN 31920	%	73
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
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

#### Certificates/ approvals:

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 CSA	 UL
 EAC	<a href="#">Type Examination</a>	 EG-Konf.

Test Certificates	Shipping Approval
<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Special Test Certificate</a>
 ABS	 BUREAU VERITAS
 DNV	 GL

Shipping Approval	other
 LRS	 PRS
 RINA	 RMRS
<a href="#">Environmental Confirmations</a>	 VDE

#### Further information

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

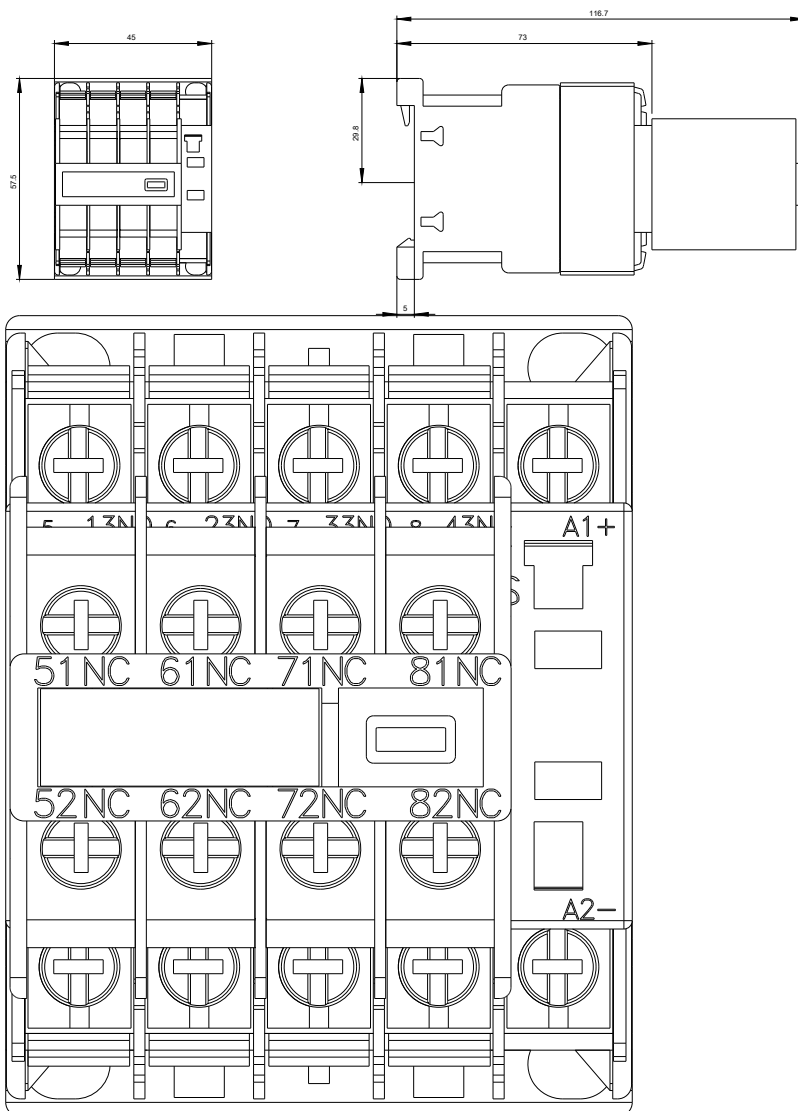
<http://www.siemens.com/industrial-controls/catalogs>

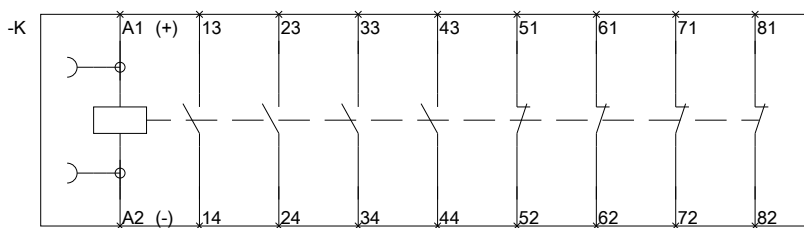
##### Industry Mall (Online ordering system)

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

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RH22444BG40>





last modified:

11.03.2015