



OVERLOAD RELAY, 4.5...6.3 A, 1NO+1NC,  
SIZE S00, CLASS 10,  
CAGE CLAMP CONNECTION,  
FOR INSTALLAT. AS A SINGLE UNIT





### General technical data:

product brand name		SIRIUS
product designation		thermal overload relay
Size of overload relay		S00
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		No
Impulse voltage resistance / rated value	kV	6
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		8g / 10 ms
Ambient temperature		
• during transport	°C	-55 ... +80
• during storage	°C	-55 ... +80
• during operating	°C	-20 ... +70
Relative humidity / during operating phase / maximum	%	100
type of protection		DMT 98 ATEX G 001
Active power loss / total / typical	W	6.6
Size of the contactor / can be combined / company-specific		S00

<b>Main circuit:</b>		
<b>Operating current / of the fuse link / rated value</b>	A	20
<b>Service power / at AC-3</b> • at 400 V	kW	2.2
<b>Type of assignment</b>		2
<b>Auxiliary circuit:</b>		
<b>Number of NC contacts / for auxiliary contacts</b>		1
<b>Number of NO contacts / for auxiliary contacts</b>		1
<b>Number of change-over switches / for auxiliary contacts</b>		0
<b>Design of the fuse link / for short-circuit protection of the auxiliary switch / required</b>		fuse gL/gG: 6 A, quick: 10 A
<b>Operating current / of the auxiliary contacts / at AC-15</b> • at 24 V • at 110 V • at 120 V • at 125 V • at 230 V • at 400 V	A A A A A A	3 3 3 3 2 1
<b>Operating current / of the auxiliary contacts / at DC-13</b> • at 24 V • at 110 V • at 125 V • at 220 V	A A A A	1 0.22 0.22 0.11
<b>Protection function:</b>		
<b>Trip class</b>		CLASS 10
<b>Adjustable response current</b> • of the current-dependent overload release	A	4.5 ... 6.3
<b>Installation/mounting/dimensions:</b>		
<b>Type of mounting</b>		stand-alone installation
<b>mounting position</b>		with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back
<b>Depth</b>	mm	78
<b>Height</b>	mm	92
<b>Width</b>	mm	45
<b>Connections:</b>		
<b>Design of the electrical connection</b> • for main current circuit		Cage Clamp terminals

• for auxiliary and control current circuit		Cage Clamp terminals
<b>Type of the connectable conductor cross-section</b>		
• for main contacts		
• solid		2x (0.25 ... 2.5 mm <sup>2</sup> )
• finely stranded		
• without conductor final cutting		2x (0.25 ... 2.5 mm <sup>2</sup> )
• with conductor end processing		2x (0.25 ... 1.5 mm <sup>2</sup> )
• for AWG conductors / for main contacts		2x (24 ... 14)
• for auxiliary contacts		
• solid		2x (0.5 ... 2.5 mm <sup>2</sup> )
• finely stranded		
• without conductor final cutting		2x (0.5 ... 1.5 mm <sup>2</sup> )
• with conductor end processing		2x (0.5 ... 1.5 mm <sup>2</sup> )
• for AWG conductors / for auxiliary contacts		2x (20 ... 14)

#### Certificates/approvals:

General Product Approval	For use in hazardous locations	Test Certificates
 CCC	 CSA	 GOST
	 ATEX	<a href="#">Special Test Certificate</a> <a href="#">Type Test Certificates/Test Report</a>

#### Shipping Approval

 ABS	 BUREAU VERITAS	 DNV	 GL	 LRS	 PRS
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#### Shipping Approval

Shipping Approval	other
 RINA	 RMRS
	<a href="#">Declaration of Conformity</a> <a href="#">other</a> <a href="#">Environmental Confirmations</a>

#### 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:

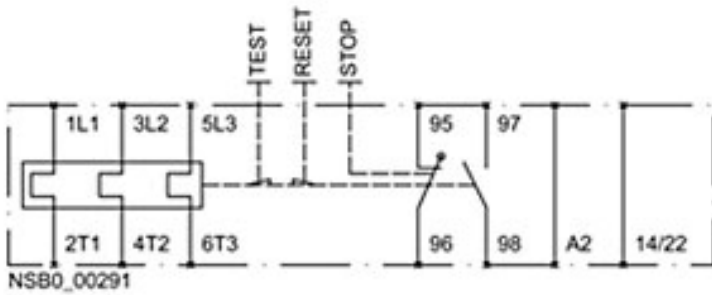
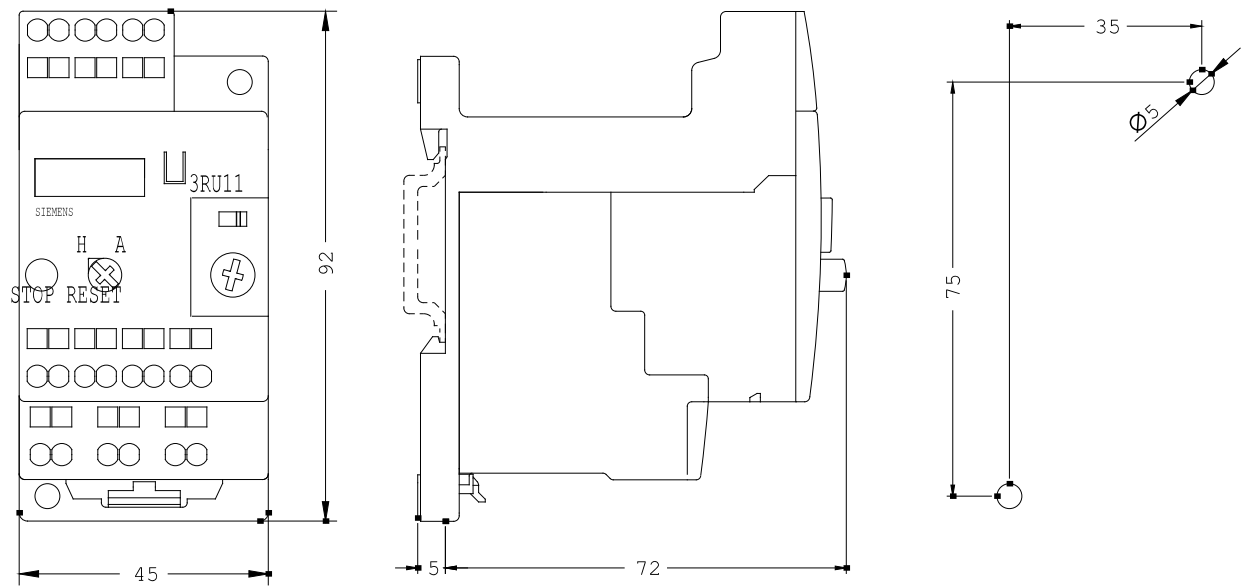
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RU1116-1GC1/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RU1116-1GC1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1116-1GC1)



last change:

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