



OVERLOAD RELAY, 3.5...5 A, 1NO+1NC, SIZE S00, CLASS 10, CAGE CLAMP CONNECTION, FOR INSTALLAT. AS A SINGLE UNIT

Figure similar

product brand name		SIRIUS
Product designation		thermal overload relay

General technical data:

Active power loss total typical	W	6.6
Insulation voltage		
• with degree of pollution 3 Rated value	V	690
Shock resistance		8g / 10 ms
Surge voltage resistance Rated value	kV	6
Size of contactor can be combined company-specific		S00
Type of assignment		2
Protection class IP		
• on the front		IP20
Type of protection		DMT 98 ATEX G 001
Equipment marking		
• acc. to DIN EN 61346-2		F
• acc. to DIN EN 81346-2		F

Main circuit:

Number of poles for main current circuit		3
Adjustable response value current of the current-dependent overload release	A	3.5 ... 5
Operating voltage		
• at AC-3 Rated value maximum	V	690

Auxiliary circuit:

Number of NC contacts		
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• for auxiliary contacts		1
Number of NO contacts		
• for auxiliary contacts		1
Number of CO contacts		
• for auxiliary contacts		0
Operating current of the auxiliary contacts at AC-15		
• at 24 V	A	3
• at 110 V	A	3
• at 120 V	A	3
• at 125 V	A	3
• at 230 V	A	2
• at 400 V	A	1
Operating current of the auxiliary contacts at DC-13		
• at 24 V	A	1
• at 110 V	A	0.22
• at 125 V	A	0.22
• at 220 V	A	0.11

Protective and monitoring functions:

Trip class	CLASS 10
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Short-circuit:

Design of the fuse link		
• for short-circuit protection of the auxiliary switch required		fuse gL/gG: 6 A, quick: 10 A

Installation/ mounting/ dimensions:

mounting position		with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back
Mounting type		stand-alone installation
Height	mm	92
Width	mm	45
Depth	mm	78
Required spacing		
• with side-by-side mounting		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0

— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	6

Connections/ Terminals:

Type of electrical connection		
• for main current circuit		Cage Clamp terminals
• for auxiliary and control current circuit		Cage Clamp terminals
Product function		
• removable terminal for auxiliary and control circuit		No
Type of connectable conductor cross-section		
• for main contacts		
— solid		2x (0.25 ... 2.5 mm ²)
— finely stranded with core end processing		2x (0.25 ... 1.5 mm ²)
— finely stranded without core end processing		2x (0.25 ... 2.5 mm ²)
• for AWG conductors for main contacts		2x (24 ... 14)
• for auxiliary contacts		
— solid		2x (0.5 ... 2.5 mm ²)
— finely stranded with core end processing		2x (0.5 ... 1.5 mm ²)
— finely stranded without core end processing		2x (0.5 ... 1.5 mm ²)
• for AWG conductors for auxiliary contacts		2x (20 ... 14)

Safety related data:

Protection against electrical shock		finger-safe
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Mechanical data:

Size of overload relay		S00
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Ambient conditions:

Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-20 ... +70
• during storage	°C	-55 ... +80
• during transport	°C	-55 ... +80
Relative humidity during operation	%	100

Certificates/ approvals:

General Product Approval			For use in hazardous locations	Declaration of Conformity	
					
CCC	CSA		UL	ATEX	EG-Konf.

Test Certificates		Shipping Approval			
Type Test Certificates/Test Report	Special Test Certificate				
		ABS	BUREAU VERITAS	DNV	GL

Shipping Approval				other	
				Environmental Confirmations	other
LRS	PRS	RINA	RMRS		

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

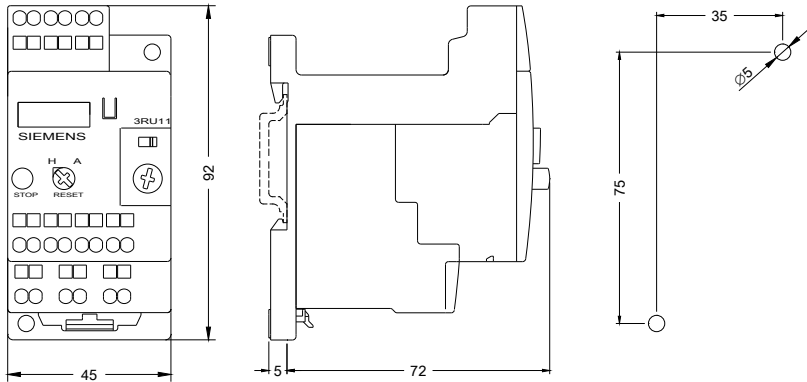
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU11161FC1>

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

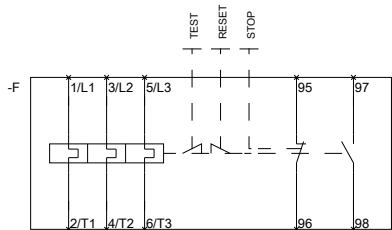
<http://support.automation.siemens.com/WW/view/en/3RU11161FC1/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU11161FC1&lang=en



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QUOTREOPABORIELAYONOR

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