



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

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

- for auxiliary and control current circuit

Type of the connectable conductor cross-section

- for main contacts
 - solid
 - finely stranded
 - without conductor final cutting
 - with conductor end processing
- for AWG conductors / for main contacts
- for auxiliary contacts
 - solid
 - finely stranded
 - without conductor final cutting
 - with conductor end processing
- for AWG conductors / for auxiliary contacts

Cage Clamp terminals

2x (0.25 ... 2.5 mm²)

2x (0.25 ... 2.5 mm²)

2x (0.25 ... 1.5 mm²)

2x (24 ... 14)

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (20 ... 14)

Certificates/approvals:

General Product Approval

For use in
hazardous
locations

Declaration of
Conformity



CCC

CSA

UL

ATEX

EG-Konf.

Test Certificates

[Special Test
Certificate](#)

[Type Test
Certificates/Test
Report](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

other



RINA



RMRS

[other](#)

[Environmental
Confirmations](#)

Further information:

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

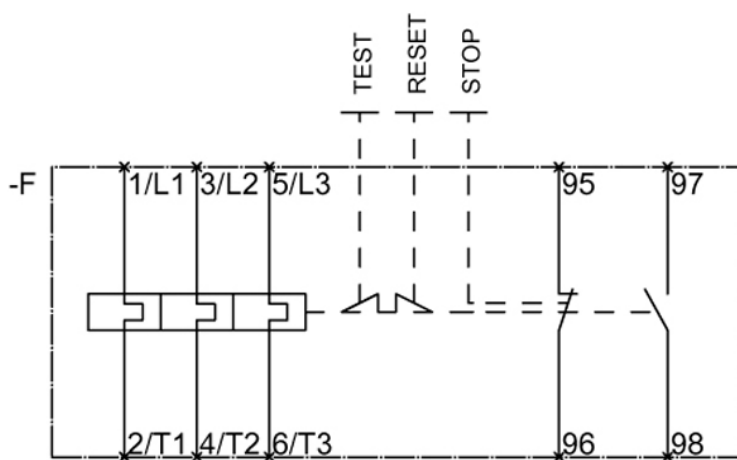
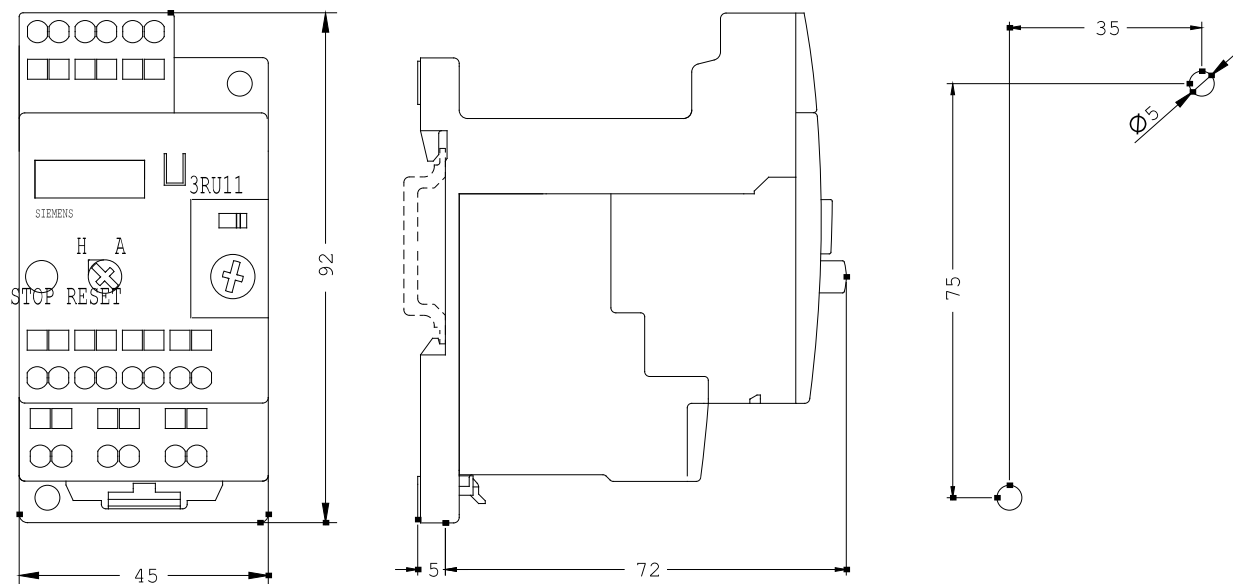
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

Cax online generator:

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



last change:

Mar 17, 2014