



OVERLOAD RELAY 5.5...8.0 A FOR MOTOR
PROTECTION SZ S00,
CLASS 10,
F. MOUNTING ONTO CONTACTOR MAIN CIRCUIT:
SCREW TERMINAL AUX. CIRCUIT: SCREW TERMINAL
MANUAL-AUTOMATIC-RESET

General technical data:

product brand name		SIRIUS
Product designation		3RU2 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
Ambient temperature - during transport - during storage - during operating	°C	-55 ... +80 -55 ... +80 -40 ... +70
Relative humidity during operating phase	%	0 ... 90
Active power loss / total / typical	W	6
Size of the contactor / can be combined / company-specific		S00

Main circuit:

Operating current / at AC-3 / at 400 V / rated value	A	8
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
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	2
• at 110 V	A	0.22
• at 125 V	A	0.22
• at 220 V	A	0.11

Protection function:

Trip class		CLASS 10
Adjustable response current		
• of the current-dependent overload release	A	5.5 ... 8

Safety:

Proportion of dangerous failures		
• with high demand rate / according to SN 31920	%	50
• with low demand rate / according to SN 31920	%	50
MTTF / with high demand rate	a	2,280
Failure rate [FIT] / with low demand rate / according to SN 31920	FIT	50
T1 value / for proof test interval or service life / according to IEC 61508	a	20

Installation/mounting/dimensions:

Mounting type		direct mounting
mounting position		vertical
Depth	mm	70
Height	mm	76
Width	mm	45

Connections:

Design of the electrical connection • for main current circuit • for auxiliary and control current circuit		screw-type terminals screw-type terminals
Type of the connectable conductor cross-section • for main contacts • finely stranded • with conductor end processing • for auxiliary contacts • finely stranded • with conductor end processing • for AWG conductors / for auxiliary contacts		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14)

UL/CSA ratings:

Contact rating designation / for auxiliary contacts / according to UL

B600 / R300

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

[Environmental Confirmations](#)

Further information:

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

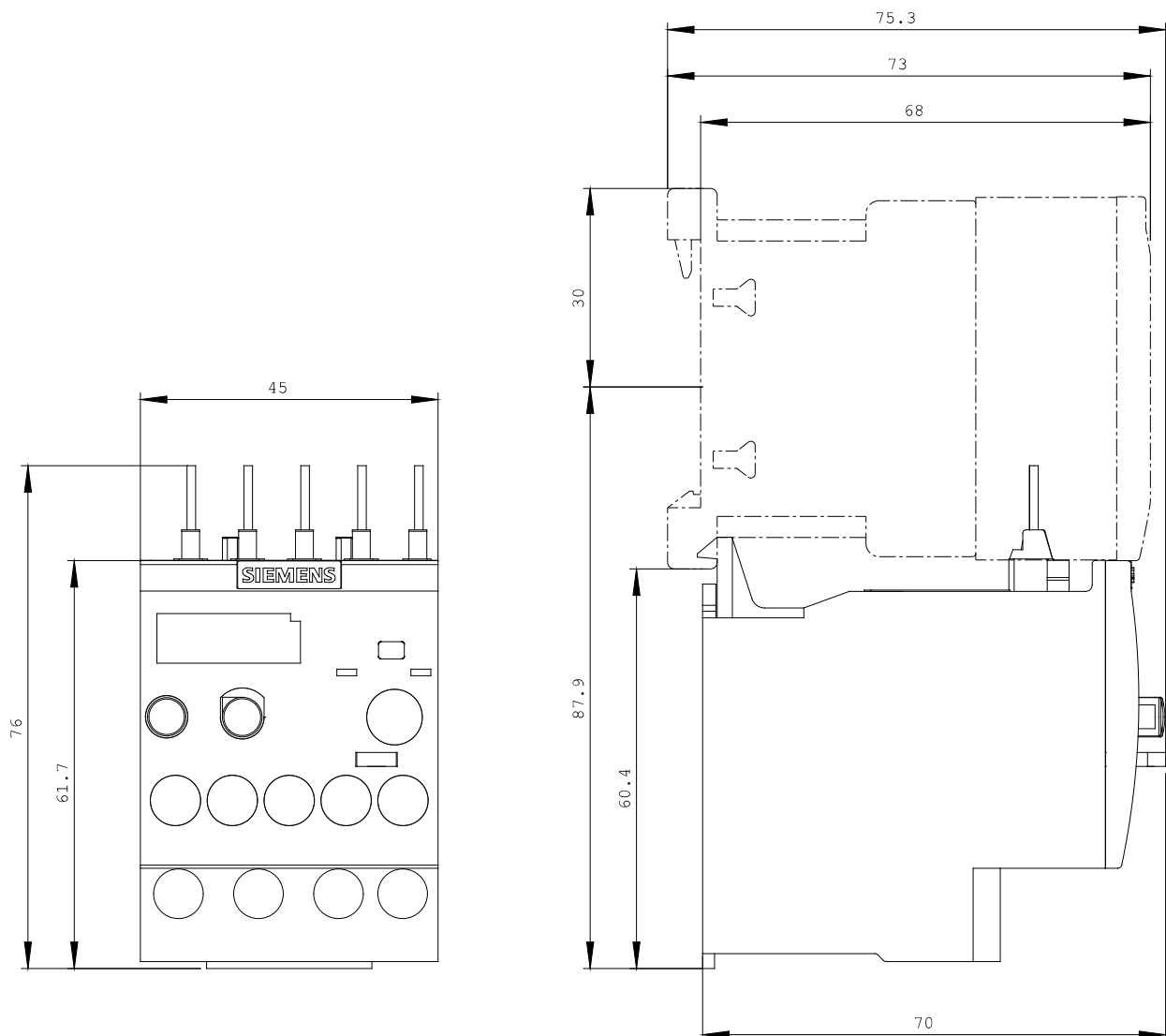
<http://www.siemens.com/industrial-controls/catalogs>

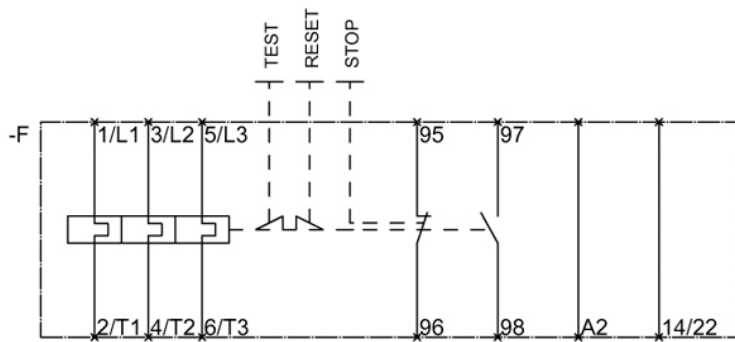
Industry Mall (Online ordering system)

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

Cax online generator:

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





last change:

Jun 30, 2014