SIEMENS

Product data sheet 3RU2116-1HB0

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
Resistance against shock		8g / 11 ms
Ambient temperature		
• during transport	°C	-55 … +80
• during storage	°C	-55 … +80
• during operating	°C	-40 … +70
Relative humidity		
• during operating phase	/ %	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 assignement		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
Mean time to failure (MTTF) / with high demand rate	a	2,280
Failure rate (FIT value) / 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:		
Type of mounting		direct mounting
mounting position		vertical
Depth	mm	70
Height	mm	76
Width	mm	45

Connections:

Design of the electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control current circuit		screw-type terminals
Type of the connectable conductor cross-section		
• for AWG conductors / for auxiliary contacts		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:

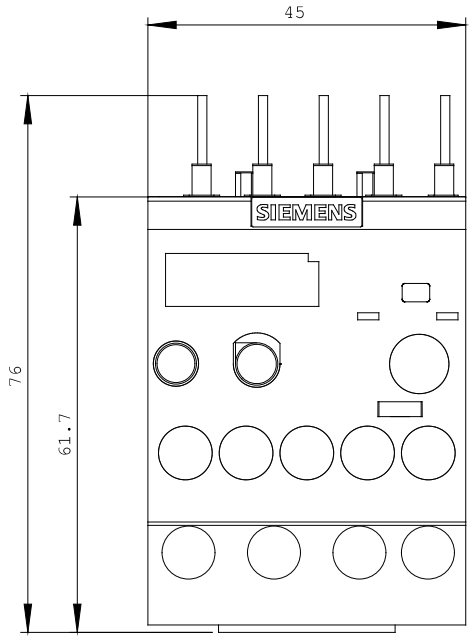
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

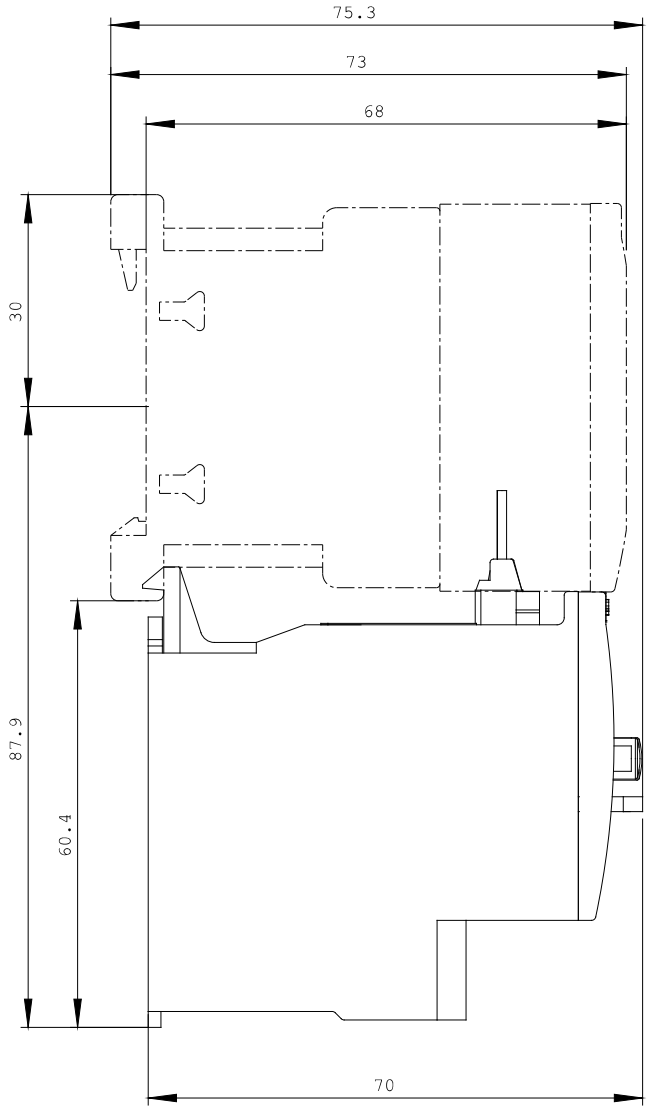
Industry Mall (Online ordering system)
http://www.siemens.com/industrial-controls/mall

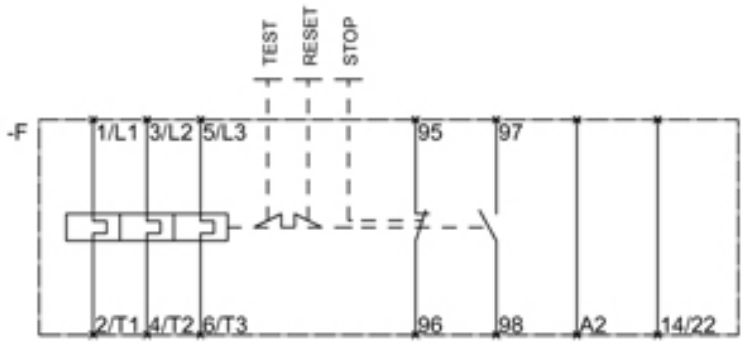
Cax online generator:
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RU2116-1HB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU2116-1HB0







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