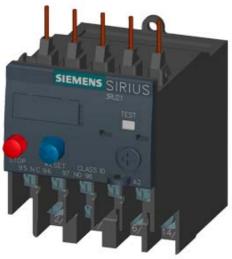
# **SIEMENS**

### Data sheet

#### 3RU2116-0KJ0



OVERLOAD RELAY 0.90...1.25 A FOR MOTOR PROTECTION SZ S00, CLASS 10, F. MOUNTING ONTO CONTACTOR MAIN CIRCUIT: RING CABLE LUG AUX. CIRCUIT: RING CABLE LUG MANUAL-AUTOMATIC-RESET

_	SIRIUS
	3RU2 thermal overload relay
W	4.8
V	690
_	
	8g / 11 ms
kV	6
°C	-40 +60
	S00
	2
_	
	IP20
	IP20
-	
	F
	3
А	0.9 1.25
V	690
V	690
	V kV °C

Hz

Operating frequency Rated value

50 ... 60

Operating current Rated value	A	1.25
Operating current		
• at AC-3		
— at 400 V Rated value	А	1.25
Auxiliary circuit:		
Number of NC contacts		
for auxiliary contacts		1
— Note		for contactor disconnection
Number of NO contacts		
for auxiliary contacts		1
— Note		for message "Tripped"
Number of CO contacts		
• for auxiliary contacts		0
Design of the auxiliary switch		integrated
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	А	3
• at 230 V	А	2
• at 400 V	А	1
Operating current of the auxiliary contacts at DC-13		
• at 24 V	А	2
● at 110 V	А	0.22
● at 125 V	А	0.22
• at 220 V	А	0.11
Protective and monitoring functions:		
Trip class		CLASS 10
Design of the overload circuit breaker	-	thermal
UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
at 480 V Rated value	А	1.25
at 600 V Rated value	A	1.25
Contact rating of the auxiliary contacts acc. to UL		B600 / R300
Installation/ mounting/ dimensions:		
mounting position		any
Mounting type		direct mounting
Height	mm	76
Width	mm	45
Depth Required encoing	mm	70
Required spacing		

<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	6
— downwards	mm	6
— at the side	mm	6
<ul> <li>for grounded parts</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	6
— at the side	mm	6
— downwards	mm	6
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	6
— downwards	mm	6
— at the side	mm	6

## Connections/ Terminals:

Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		ring cable connection
<ul> <li>for auxiliary and control current circuit</li> </ul>		ring cable connection
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function	-	
<ul> <li>removable terminal for auxiliary and control circuit</li> </ul>		No
Tightening torque		
• for ring cable lug		
— for main contacts	N∙m	1.2 0.8
— for auxiliary contacts	N∙m	0.8 1.2
Outer diameter of the usable ring cable lug maximum	mm	7.5
Design of screwdriver shaft	-	5 to 6 mm diameter
Design of the thread of the connection screw		
• for main contacts		M3
<ul> <li>of the auxiliary and control contacts</li> </ul>		M3
Safety related data:		
Proportion of dangerous failures		
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	%	50
• with high demand rate acc. to SN 31920	%	50

Failure rate [FIT] wit 31920	h low demand rate	acc. to SN	FIT	50		
MTTF with high dem	nand rate		у	2 280		
T1 value for proof te IEC 61508	est interval or service	e life acc. to	У	20		
Protection against e	lectrical shock			finger-safe		
Mechanical data:						
Size of overload rela	ау			S00		
Ambient conditions:			_			
Installation altitude a		level	m	2 000		
maximum						
Ambient temperature	e					
<ul> <li>during operation</li> </ul>	on		°C	-40 +70		
<ul> <li>during storage</li> </ul>			°C	-55 +80		
<ul> <li>during transpo</li> </ul>			°C	-55 +80		
Relative humidity du			%	0 90		
-						
Display: Display version				_		
	totuo			Slide switch		
<ul> <li>for switching s</li> </ul>	status			Olice Switch		
Certificates/ approv	als:					
General Produc	t Approval				For use in hazardous locations	Declaration of Conformity
General Product	t Approval	EHC	(Į	<b>P</b>	hazardous	
	CSA	<b>ERE</b> Shipping A		<b>P</b>	hazardous locations	Conformity
	CSA	ERC Shipping A O	Approval		hazardous locations	Conformity
Cccc Test Certificates Type Test Certificates/Test	S Special Test Certificate	ALL CAN BORNER	Approval		hazardous locations	Conformity EG-Konf.
Cccc Test Certificates Type Test Certificates/Test Report	S Special Test Certificate	ALL CAN BORNER	Approval		hazardous locations	Conformity EG-Konf.

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

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

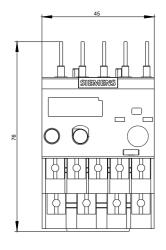
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

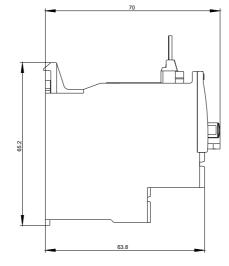
Cax online generator

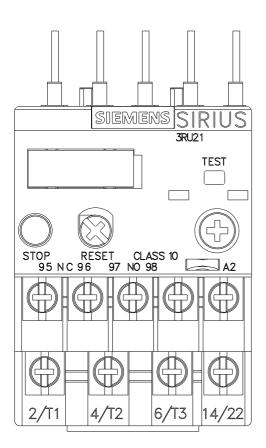
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU21160KJ0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RU21160KJ0/all

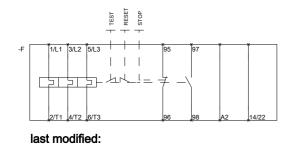
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RU21160KJ0&lang=en







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