SIEMENS

Data sheet 3RU2136-4ED1



OVERLOAD RELAY 22...32 A FOR MOTOR PROTECTION SIZE S2, CLASS 10 STAND-ALONE INSTALLATION MAIN CIRCUIT: SCREW TERMINAL AUX. CIRCUIT: SPRING-T. TERM. MANUAL-AUTOMATIC-RESET.

Figure similar
product brand name

SIRIUS

Product designation

3RU2 thermal overload relay

General technical data:		
Active power loss total typical	W	11
Insulation voltage		
 with degree of pollution 3 Rated value 	V	690
Shock resistance		
• acc. to IEC 60068-2-27		8g / 11 ms
Surge voltage resistance Rated value	kV	6
Temperature compensation	°C	-40 + 60
Recovery time		
 after overload trip with automatic reset typical 	min	10
 after overload trip with remote-reset 	min	10
 after overload trip with manual reset 	min	10
Size of contactor can be combined company-specific		S2
Type of assignment		2
Protection class IP		
• on the front		IP20
• of the terminal		IP00
Type of protection		on request
Equipment marking		
• acc. to DIN EN 81346-2		F

Main circuit:		
Number of poles for main current circuit	3	3

Adjustable response value current of the current-	Α	22 32
dependent overload release		
Operating voltage		
Rated value	V	690
 at AC-3 Rated value maximum 	V	690
Operating frequency Rated value	Hz	50 60
Operating current Rated value	Α	32
Operating current		
• at AC-3		
— at 400 V Rated value	Α	32
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	Α	3
● at 110 V	Α	3
● at 120 V	Α	3
● at 125 V	Α	3
● at 230 V	Α	2
● at 400 V	Α	1
Operating current of the auxiliary contacts at DC-13		
● at 24 V	Α	2
● at 110 V	Α	0.22
● at 125 V	Α	0.22
• at 220 V	Α	0.11
Design of the miniature circuit breaker		
for short-circuit protection of the auxiliary switch		6A (SCC less than equal to 0.5 kA; U less than equal
required		to 260V)
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 	Α	32

● at 600 V Rated value	Α	32
Contact rating of the auxiliary contacts acc. to UL		B600 / R300

Short-circuit:	
Design of the fuse link	
 for short-circuit protection of the main circuit 	
— required	Fuse gG: 80 A
• for short-circuit protection of the auxiliary switch	fuse gG: 6 A, quick: 10 A
required	

	any
	stand-alone installation
mm	105
mm	55
mm	117
mm	10
mm	0
mm	10
mm	10
mm	10
mm	10
mm	0
mm	10
mm	10
mm	10
mm	10
mm	0
mm	10
mm	10
mm	10
	mm

Connections/ Terminals:	
Type of electrical connection	
• for main current circuit	screw-type terminals
 for auxiliary and control current circuit 	spring-loaded terminals
Arrangement of electrical connectors for main current circuit	Top and bottom
Product function	

N·m	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 2x (0,5 2,5 mm²) 2x (0.5 1.5 mm²) 2x (0.5 2.5 mm²) 2x (20 14)
N·m	2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 2x (0,5 2,5 mm²) 2x (0.5 1.5 mm²) 2x (0.5 2.5 mm²) 2x (20 14) 3 4.5 5 to 6 mm diameter
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N·m	3 4.5 5 to 6 mm diameter
N·m	5 to 6 mm diameter
N·m	5 to 6 mm diameter
	M6
	finger-safe when touched vertically from front acc. to IEC 60529
	S2
m	2 000
°C	-40 +7 0
°C	-55 + 80
°C	-55 + 80
%	0 90
	Slide switch
	°C °C

General Product Approval	For use in	Declaration of	Test
	hazardous	Conformity	Certificates
	locations		











Type Test Certificates/Test Report

Test Certificates	other	
Special Test	Confirmation	Environmental
Certificate		Confirmations

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=3RU21364ED1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RU21364ED1/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=3RU21364ED1&lang=en









