SIEMENS

Data sheet

Product brand name

3RU2126-1JJ0



OVERLOAD RELAY 7.0...10 A FOR MOTOR PROTECTION SZ S0, CLASS 10, F. MOUNTING ONTO CONTACTOR MAIN CIRCUIT: RING CABLE LUG AUX. CIRCUIT: RING CABLE LUG MANUAL-AUTOMATIC-RESET

Product designation	thermal overload relay
Product type designation	3RU2
General technical data	
Size of overload relay	S0
Size of contactor can be combined company-specific	S0
Power loss [W] total typical	6.1 W
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 in networks with grounded star point between auxiliary and auxiliary circuit 	440 V
 in networks with grounded star point between auxiliary and auxiliary circuit 	440 ∨
 in networks with grounded star point between main and auxiliary circuit 	440 V
 in networks with grounded star point between main and auxiliary circuit 	440 V
Protection class IP	

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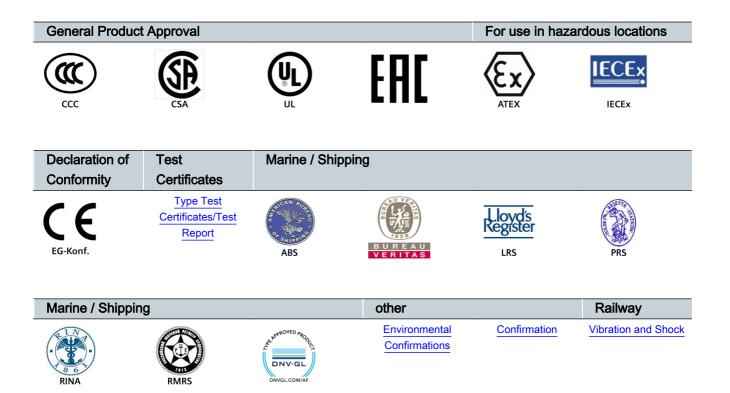
	1700		
• on the front	IP20		
• of the terminal	IP20		
Type of protection	Exe		
Protection against electrical shock	finger-safe		
Equipment marking acc. to DIN EN 81346-2	F		
Ambient conditions	Ambient conditions		
Ambient temperature			
 during operation 	-40 +70 °C		
 during storage 	-55 +80 °C		
 during transport 	-55 +80 °C		
Temperature compensation	-40 +60 °C		
Main circuit			
Number of poles for main current circuit	3		
Adjustable pick-up value current of the current-	7 10 A		
dependent overload release			
Operating voltage			
• rated value	690 V		
 at AC-3 rated value maximum 	690 V		
Operating frequency rated value	50 60 Hz		
Operating current rated value	10 A		
Operating power at AC-3			
• at 400 V rated value	4 kW		
• at 500 V rated value	5.5 kW		
• at 690 V rated value	7.5 kW		
Auxiliary circuit			
Design of the auxiliary switch	integrated		
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		
Operating current of auxiliary contacts at AC-15			
• at 24 V	3 A		
● at 110 V	3 A		
• at 120 V	3 A		
● at 125 V	3 A		
• at 230 V	2 A		
• at 400 V	1 A		

Operating current of auxiliary contacts at DC-13	
• at 24 V	2 A
• at 110 V	0.22 A
• at 125 V	0.22 A
• at 220 V	0.11 A
Contact rating of auxiliary contacts according to UL	B600 / R300
Protective and monitoring functions	
Trip class	CLASS 10
Design of the overload release	thermal
JL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	10 A
• at 600 V rated value	10 A
nstallation/ mounting/ dimensions	
Mounting position	any
Mounting type	direct mounting
Height	85 mm
Width	45 mm
Depth	85 mm
Required spacing	
 with side-by-side mounting 	
— forwards	0 mm
— Backwards	0 mm
— upwards	6 mm
— downwards	6 mm
— at the side	6 mm
 for grounded parts 	
— forwards	0 mm
— Backwards	0 mm
— upwards	6 mm
— at the side	6 mm
— downwards	6 mm
• for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	6 mm
— downwards	6 mm
— at the side	6 mm
Connections/Terminals	

Product function

No
ring cable connection
ring cable connection
Top and bottom
2.5 2 N·m
0.8 1.2 N·m
7.5 mm
Diameter 5 6 mm
50 FIT
2 280 у
20 у
Slide switch

Certificates/approvals



Further information

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

Industry Mall (Online ordering system)

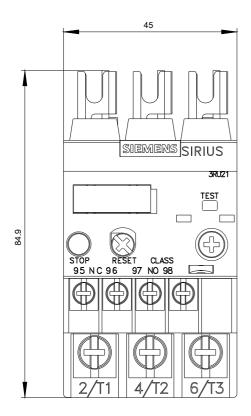
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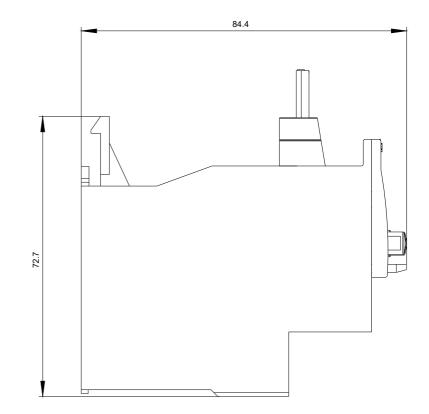
Cax online generator

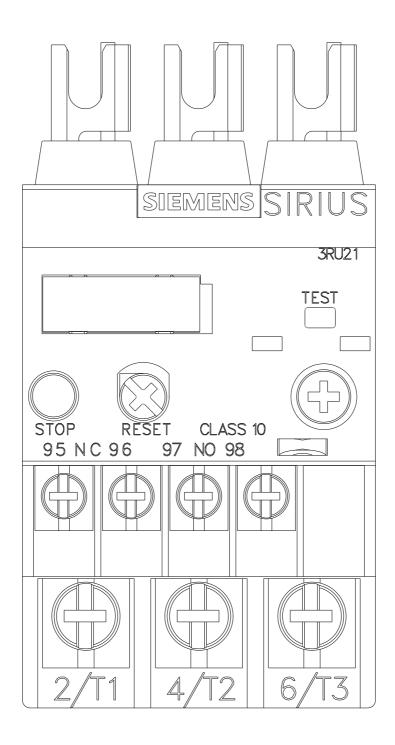
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2126-1JJ0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RU2126-1JJ0

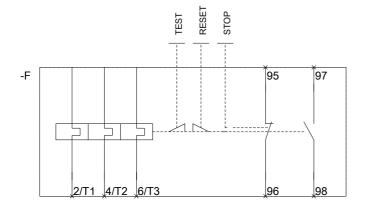
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2126-1JJ0&lang=en







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