SIEMENS

Data sheet

3RU2126-1HB0

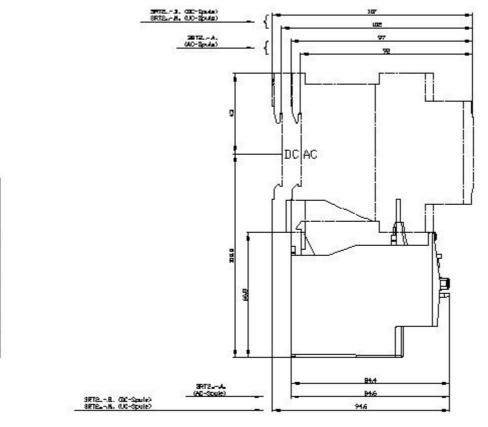


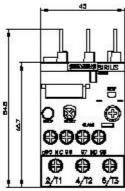
Overload relay 5.5...8.0 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

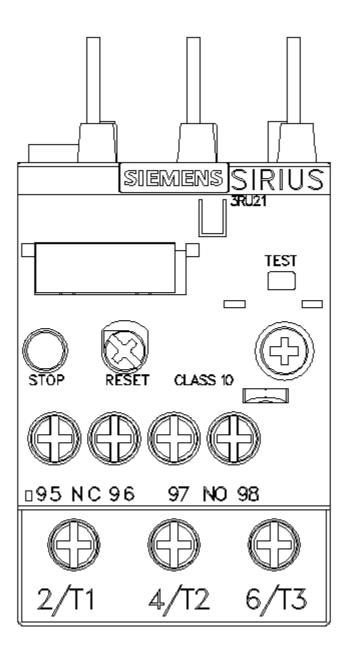
product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	SO
size of contactor can be combined company-specific	SO
power loss [W] for rated value of the current at AC in hot operating state	6.6 W
• per pole	2.2 W
insulation voltage with degree of pollution 3 at AC 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
 between auxiliary and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
 between main and auxiliary circuit 	440 V
shock resistance acc. to IEC 60068-2-27	8g / 11 ms
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
reference code acc. to IEC 81346-2	F
Substance Prohibitance (Date)	01.10.2009 00:00:00
Ambient conditions	-
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-40 +70 °C
 during storage 	-55 +80 °C
during transport	-55 +80 °C
temperature compensation	-40 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	5.5 8 A
 operating voltage rated value 	690 V

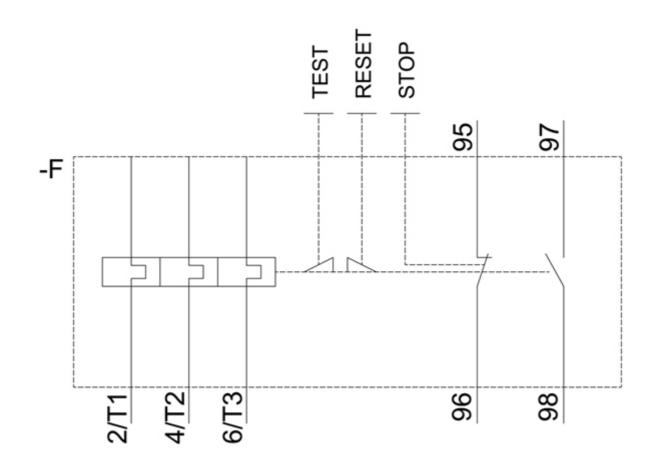
 at AC-3 rated value maximum 	690 V		
operating frequency rated value	50 60 Hz		
operational current rated value	8 A		
operating power at AC-3			
• at 400 V rated value	3 kW		
• at 500 V rated value	4 kW		
at 690 V rated value	5.5 kW		
Auxiliary circuit	0.0 KW		
design of the auxiliary switch	integrated		
number of NC contacts for auxiliary contacts	1		
note	for contactor disconnection		
number of NO contacts for auxiliary contacts			
note number of CO contracts for cuvilian/ contracts	for message "Tripped" 0		
number of CO contacts for auxiliary contacts	0		
operational current of auxiliary contacts at AC-15	2.4		
• at 24 V	3 A 2 A		
• at 110 V	3 A		
• at 120 V	3 A 2 A		
• at 125 V	3 A		
• at 230 V	2 A		
• at 400 V	1 A		
operational current of auxiliary contacts at DC-13			
• at 24 V	2 A		
• at 60 V	0.3 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		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
at 480 V rated value	8 A		
at 600 V rated value	8 A		
Short-circuit protection			
design of the fuse link			
 for short-circuit protection of the auxiliary switch required 	fuse gG: 6 A, quick: 10 A		
Installation/ mounting/ dimensions			
mounting position	any		
fastening method	Contactor mounting		
height	85 mm		
width	45 mm		
depth			
	85 mm		
Connections/ Terminals	85 mm		
Connections/ Terminals product component removable terminal for auxiliary and control circuit	85 mm No		
product component removable terminal for auxiliary and			
product component removable terminal for auxiliary and control circuit			
product component removable terminal for auxiliary and control circuit type of electrical connection	No		
product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	No screw-type terminals		
product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current	No screw-type terminals screw-type terminals		
product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit	No screw-type terminals screw-type terminals		
product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	No screw-type terminals screw-type terminals		
product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	No screw-type terminals screw-type terminals Top and bottom		

 for auxiliary contacts — solid or stranded 					
- solid or stranded 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)					
 — finely stranded with core end processing 	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)				
at AWG cables for auxiliary contacts	2x (0.0 1.6), 2x (18 14)	5 2.0 mm /			
tightening torque					
 for main contacts with screw-type terminals 	2 2.5 N·m				
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m				
design of screwdriver shaft	Diameter 5 6 mm				
size of the screwdriver tip	Pozidriv PZ 2				
design of the thread of the connection screw					
 for main contacts 	M4				
 of the auxiliary and control contacts 	M3				
Safety related data					
failure rate [FIT] with low demand rate acc. to SN 31920	50 FIT				
MTTF with high demand rate	2 280 y				
T1 value for proof test interval or service life acc. to IEC 61508	20 y				
protection class IP on the front acc. to IEC 60529	IP20				
touch protection on the front acc. to IEC 60529	finger-safe, for vertical conta	act from the front			
Display					
display version for switching status	Slide switch				
Certificates/ approvals					
General Product Approval		For use in hazardo	ous locations		
Declaration of Conformity Test Certificates	Marine / Shipping				
CE Special Test Certific- ate Ates/Test Re	and the second		Llovdis Register		
	and the second	BUREAU VERITAS	Llovds Register uts		
EG-Konf.	eport 💓	Other			
EG-Konf.	eport ABS ABS) t?mlfb=3RU2126-1HB0 ult.aspx?lang=en&mlfb=3RU21	Confirmation	Railway		









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