SIEMENS

Data sheet

3RU2126-1KB0



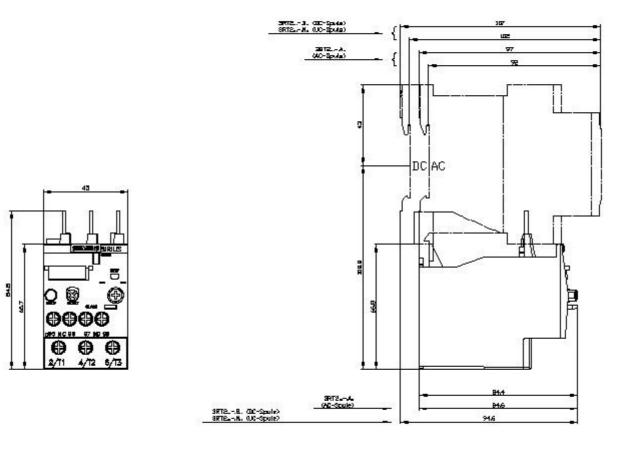
Overload relay 9.0...12.5 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

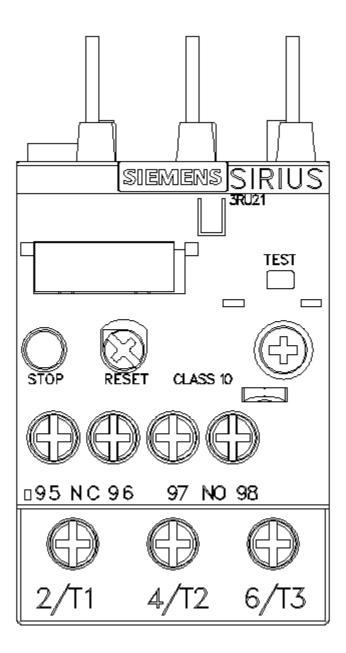
product brand name	SIRIUS		
product designation	thermal overload relay		
product type designation	3RU2		
General technical data			
size of overload relay	SO		
size of contactor can be combined company-specific	SO		
power loss [W] for rated value of the current at AC in hot operating state	6.6 W		
• per 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	9 12.5 A		
operating voltage rated value 	- 690 V		

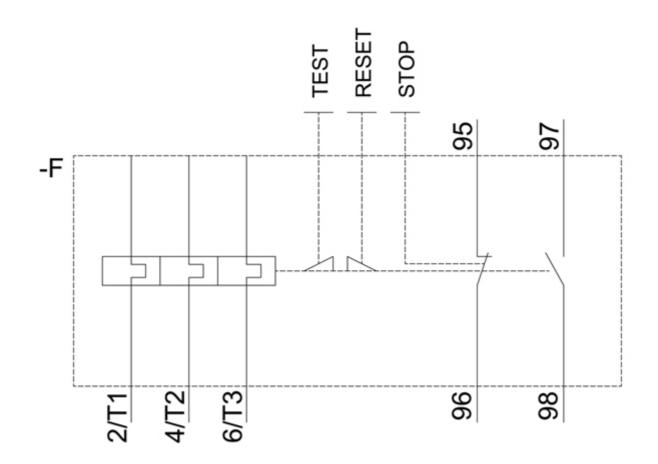
 at AC-3 rated value maximum 	690 V		
operating frequency rated value	50 60 Hz		
operational current rated value	12.5 A		
operating power at AC-3			
• at 400 V rated value	5.5 kW		
at 500 V rated value	7.5 kW		
at 690 V rated value	7.5 kW		
Auxiliary circuit			
design of the auxiliary switch	integrated		
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		
operational 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		
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		
trip class design of the overload release	CLASS 10 thermal		
•			
design of the overload release			
design of the overload release UL/CSA ratings			
design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal		
design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 12.5 A		
design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal 12.5 A		
design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection	thermal 12.5 A		
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design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	thermal 12.5 A 12.5 A fuse gG: 6 A, quick: 10 A any Contactor mounting		
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type of connectable c	onductor cross-sec	ctions					
 for auxiliary containing 	acts						
 — solid or strar 	nded		· · · · · · · · · · · · · · · · · · ·	x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)			
	ed with core end pro	ocessing		2x (0.75 2.5 mm²)			
at AWG cables for auxiliary contacts			2x (20 16), 2x (18 14)				
tightening torque							
	 for main contacts with screw-type terminals 			2 2.5 N·m			
	acts with screw-type	terminals	0.8 1.2 N·m				
design of screwdriver			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	w demand rate acc.	to SN 31920	50 FIT				
MTTF with high dema	nd rate		2 280 y				
T1 value for proof test interval or service life acc. to			20 y				
IEC 61508	the front and to IF	C 60520	IP20				
protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529		finger-safe, for vertical contact from the front					
Display			inger sure, for vert		t i i i i i i i i i i i i i i i i i i i		
display version for swite	ching status		Slide switch				
Certificates/ approvals	5						
General Product App	roval			For use in h	azardous locations		
	(u) (u)		ĽĦ	ATEX	IECEX		
Declaration of Confor	rmity	Test Certifica	tes	Marine / Shi	oping		
Miscellaneous	(6	<u>Special Tes</u> Certific-ate		st /Test			
	EG-Konf.		Report	Telefort I	BUREAU VERITAS		
Marine / Shipping					other		
Lloyds Register us	PRS	RINA	RMRS		<u>Confirmation</u>		
Railway							
Vibration and Shock							

Further information







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