SIEMENS

Data sheet

3MU7210-1AA0

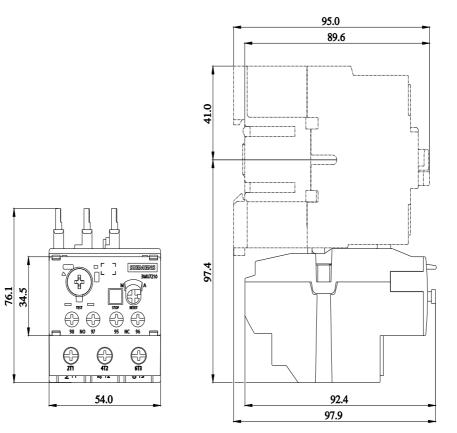


Thermal overload relay RANGE 23-32A Class 10 For mounting on 3MT7 contactors Size 2 Main circuit: Screw Auxiliary circuit: Screw Manual Automatic reset

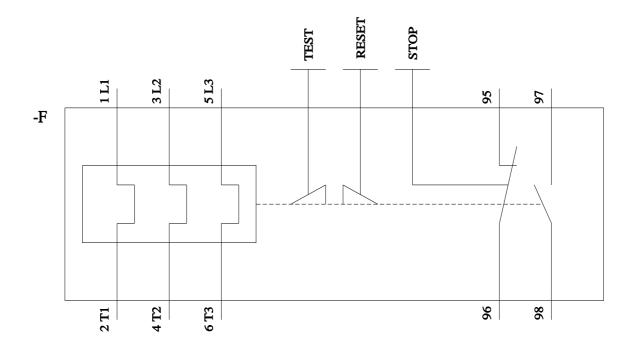
product brand name	SINOVA		
product designation	Thermal overload relay		
product type designation	3MU7		
General technical data			
size of overload relay	Size 2		
size of contactor can be combined company-specific	3MT7 Size 2		
power loss [W] for rated value of the current at AC in hot operating state	16.5 W		
• per pole	5.5 W		
insulation voltage with degree of pollution 3 at AC rated value	690 V		
surge voltage resistance of main circuit rated value	6 kV		
shock resistance according to IEC 60068-2-27	15g / 11 ms		
reference code according to IEC 81346-2	F		
Substance Prohibitance (Date)	07/01/2022		
Weight	0.245 kg		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
 during operation 	-5 +55 °C		
during storage	-25 +70 °C		
temperature compensation	-5 +55 °C		
relative humidity during operation	10 95 %		
Main circuit			
number of poles for main current circuit	3		
type of voltage for main current circuit	AC		
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	32 A		
operational current at AC-3 at 400 V rated value	32 A		
operating power at AC-3			
• at 400 V rated value	15 kW		
 at 690 V rated value 	30 kW		
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"		
operational current of auxiliary contacts at AC-15			

• at 24 V			4.17	A
• at 110 V			3.64 /	A
• at 690 V			0.7 A	
operational current of	auxiliary contacts at DO	C-13		
• at 24 V			4.17 A	A
• at 110 V		0.45 A		
• at 220 V			0.2 A	
Short-circuit protection				
design of the fuse link				
 for short-circuit protection of the main circuit with type of assignment 2 required 		gG: 50 A, Type-2 co-ordination		
 for short-circuit p 	• for short-circuit protection of the auxiliary switch required		fuse gG: 10 A	
Installation/ mounting/ o	dimensions			
mounting position				Inclination forward and backward & \pm 90° rotation, in relation to normal al mounting plane
fastening method		Contactor mounting		
height			76.5 mm	
width			44 mm	
depth			92.5 mm	
Connections/ Terminals	;			
type of electrical conn	ection			
 for main current of 	for main current circuit		screw-type terminals	
 for auxiliary and of 	 for auxiliary and control circuit 		screw-type terminals	
type of connectable con	nductor cross-sections for	main contacts		
 solid or stranded 		1x (1.5 10 mm²)		
 finely stranded with core end processing 		1x (2.5 10.0 mm²)		
type of connectable con contacts	nductor cross-sections for	auxiliary		
 solid or stranded 	 solid or stranded 		1x (1 4 mm²)	
 finely stranded w 	ith core end processing		1x (1 4 mm²)	
tightening torque	tightening torque			
 for main contacts with screw-type terminals 		2.5 N·m		
 for auxiliary contacts with screw-type terminals 		1.2 N·m		
design of the thread of the connection screw				
 for main contacts 		M4		
 of the auxiliary and control contacts 		M3.5		
Electrical Safety				
protection class IP on the front according to IEC 60529		IP20		
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front		
Display				
			Trip ir	ndicator
Approvals Certificates				
General Product Ap- proval	Test Certificates	other		Environment
CE	<u>Type Test Certific-</u> ates/Test Report	Confirmation	n	Environmental Con- firmations
EG-Konf.				

Further information Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3MU7210-1AA0 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7210-1AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3MU7210-1AA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MU7210-1AA0&lang=en Characteristic: Tripping characteristics, I2t, Let-through current https://support.indu mens.com/cs/ww/en/ps/3MU7210-1AA0/ch



3MT70252-3MT70402



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2/14/2023 🖸