SIEMENS

Data sheet

3MU7110-0HA0

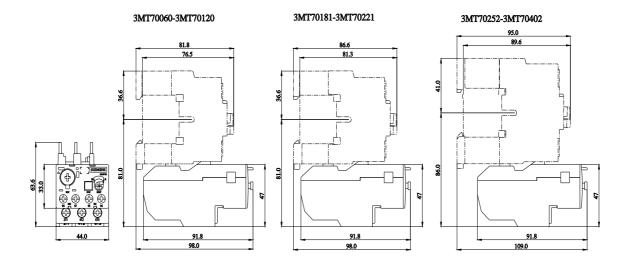


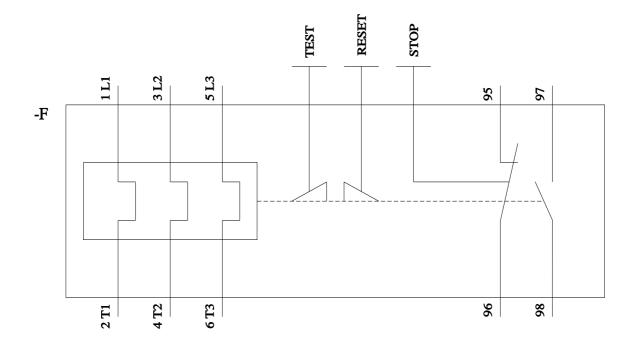
Thermal overload relay RANGE 1.6-2.5A Class 10 For mounting on 3MT7 contactors Size 0,1,2 Main circuit: Screw Auxiliary circuit: Screw Manual Automatic reset

product brand name	SINOVA		
product designation	Thermal overload relay		
product type designation	3MU7		
General technical data			
size of overload relay	Size 1		
size of contactor can be combined company-specific	3MT7 Size 0, 1, 2		
power loss [W] for rated value of the current at AC in hot operating state	10.8 W		
• per pole	3.6 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	0.175 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	2.5 A		
operational current at AC-3 at 400 V rated value	2.5 A		
operating power at AC-3			
 at 400 V rated value 	0.75 kW		
 at 690 V rated value 	1.5 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 /	Ą		
• at 690 V			0.7 A			
operational current of	auxiliary contacts at D	C-13				
• at 24 V	• at 24 V		4.17 A			
● at 110 V		0.45 A				
• at 220 V			0.2 A			
Short-circuit protection						
design of the fuse link						
 for short-circuit p assignment 2 required 	rotection of the main circu ired	uit with type of	gG: 6	A, Type-2 co-ordination		
 for short-circuit p 	rotection of the auxiliary s	witch required	fuse g	fuse gG: 10 A		
Installation/ mounting/ o	dimensions					
mounting position		22.5° Inclination forward and backward & \pm 90° rotation, in relation to normal vertical mounting plane				
fastening method	fastening method		Contactor mounting			
height		64 mm				
width	width		44 mm			
depth	depth		92 mm			
Connections/ Terminals	;					
type of electrical conn	ection					
 for main current circuit 		screw-type terminals				
 for auxiliary and 	control circuit		screw	screw-type terminals		
type of connectable cor	nductor cross-sections for	main contacts				
 solid or stranded 	 solid or stranded 		1x (1 6 mm²)			
 finely stranded with core end processing 		1x (1 10 mm²)				
type of connectable conductor cross-sections for auxiliary contacts						
 solid or stranded 			1x (1 4 mm²)			
 finely stranded w 	 finely stranded with core end processing 			1x (1 4 mm²)		
tightening torque						
 for main contacts with screw-type terminals 		1.85 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 ii	ndicator		
Approvals Certificates						
General Product Approval	Test Certificates	other		Environment		
CE	<u>Type Test Certific-</u> ates/Test Report	<u>Confirmatio</u>	<u>n</u>	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=3MU7110-0HA0 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0HA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0HA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MU7110-0HA0&lang=en Characteristic: Tripping characteristics, I2t, Let-through current https://support.indu mens.com/cs/ww/en/ps/3MU7110-0HA0/ch





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