SIEMENS

Data sheet

3MU7110-0QA0

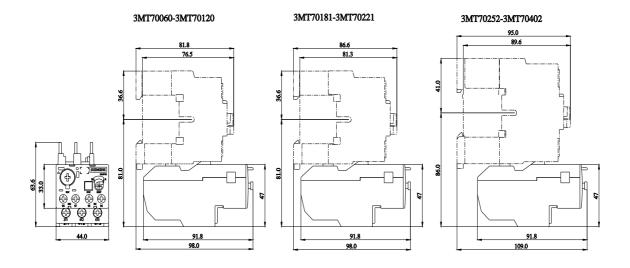


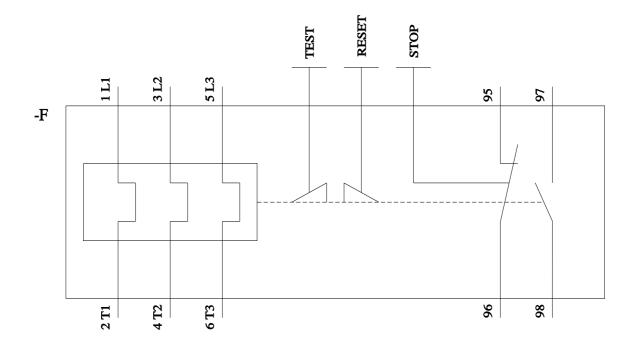
Thermal overload relay RANGE 17-25A Class 10 For mounting on 3MT7 contactors Size 0,1,2 Main circuit: Screw Auxiliary circuit: Screw Manual Automatic reset

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 1, 2		
power loss [W] for rated value of the current at AC in hot operating state	16.2 W		
• per pole	5.4 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	25 A		
operational current at AC-3 at 400 V rated value	25 A		
operating power at AC-3			
 at 400 V rated value 	11 kW		
• at 690 V rated value	22 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	4	
• at 110 V			3.64 /	4	
• 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	1				
 for short-circuit p assignment 2 required 	rotection of the main circu ired	uit with type of	gG: 4	0 A, Type-2 co-ordination	
 for short-circuit p 	rotection of the auxiliary s	witch required	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		Contactor mounting			
height			64 mm		
width	width		44 mm		
depth	depth		92 mm		
Connections/ Terminals	;				
type of electrical conn	rection				
 for main current of 	for main current circuit		screw-type terminals		
 for auxiliary and 	control circuit		screw-type terminals		
type of connectable cor	nductor cross-sections for	main contacts			
 solid or stranded 	solid or stranded		1x (1	1x (1 6 mm²)	
 finely stranded w 	 finely stranded with core end processing 		1x (1 10 mm²)		
type of connectable conductor cross-sections for auxiliary contacts					
 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 		1.85 N·m			
 for auxiliary containing 	acts with screw-type term	inals	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	Type Test Certific- 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=3MU7110-0QA0 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0QA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0QA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MU7110-0QA0&lang=en Characteristic: Tripping characteristics, I2t, Let-through current https://support.indu mens.com/cs/ww/en/ps/3MU7110-0QA0/cl





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