## SIEMENS

## Data sheet

## 3MU7110-0GA0

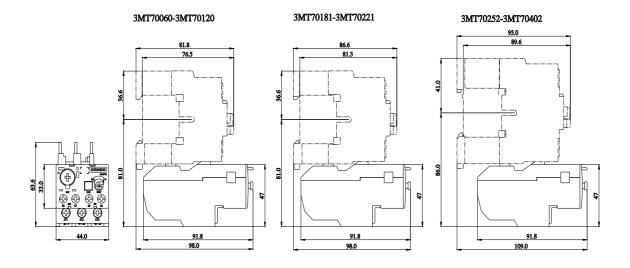


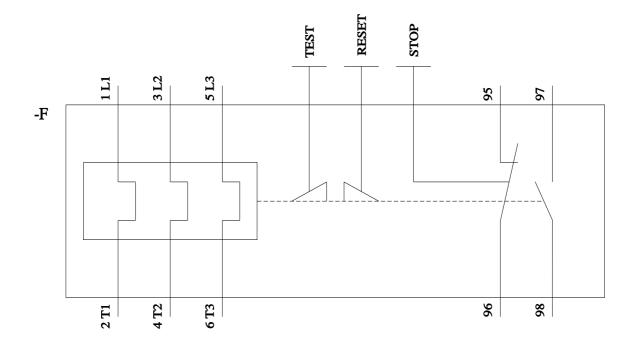
Thermal overload relay RANGE 1.25-2A Class 10 For mounting on 3MT7 contactors Size 0,1,2 Main circuit: Screw Auxiliary circuit: Screw Manual Automatic reset

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			
<ul> <li>during operation</li> </ul>	-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		
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V		
operating frequency rated value	50 60 Hz		
operational current rated value	2 A		
operational current at AC-3 at 400 V rated value	2 A		
operating power at AC-3			
• at 400 V rated value	0.75 kW		
• at 690 V rated value	1.1 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						
<ul> <li>for short-circuit p assignment 2 required</li> </ul>	rotection of the main circu ired	uit with type of	gG: 6	A, Type-2 co-ordination		
<ul> <li>for short-circuit p</li> </ul>	• for short-circuit protection of the auxiliary switch 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			
<b>Connections/ Terminals</b>	;					
type of electrical conn	ection					
<ul> <li>for main current circuit</li> </ul>		screw-type terminals				
<ul> <li>for auxiliary and</li> </ul>	control circuit		screw-type terminals			
type of connectable cor	nductor cross-sections for	main contacts				
<ul> <li>solid or stranded</li> </ul>	solid or stranded		1x (1 6 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>		1x (1 10 mm²)				
type of connectable conductor cross-sections for auxiliary contacts						
<ul> <li>solid or stranded</li> </ul>	<ul> <li>solid or stranded</li> </ul>			1x (1 4 mm²)		
<ul> <li>finely stranded w</li> </ul>	ith core end processing		1x (1 4 mm²)			
tightening torque	tightening torque					
<ul> <li>for main contacts with screw-type terminals</li> </ul>		1.85 N·m				
<ul> <li>for auxiliary containing</li> </ul>	acts with screw-type term	inals	1.2 N·m			
design of the thread of the connection screw						
<ul> <li>for main contacts</li> </ul>		M4				
<ul> <li>of the auxiliary and control contacts</li> </ul>		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=3MU7110-0GA0 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0GA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0GA0 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3MU7110-0GA0&lang=en Characteristic: Tripping characteristics, I2t, Let-through current https://support.indu mens.com/cs/ww/en/ps/3MU7110-0GA0/cl





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