## **SIEMENS**

Data sheet 3MU7110-0NA0



Thermal overload relay RANGE 9-13A 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				
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V				
operating frequency rated value	50 60 Hz				
operational current rated value	13 A				
operational current at AC-3 at 400 V rated value	13 A				
operating power at AC-3					
• at 400 V rated value	5.5 kW				
• at 690 V rated value	7.5 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					

<ul><li>at 24 V</li></ul>			4.17	A	
• at 110 V			3.64 /	A	
• at 690 V			0.7 A		
operational current of	auxiliary contacts at DC	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 protection of the main circuit with type of assignment 2 required		gG: 25 A, Type-2 co-ordination		
<ul> <li>for short-circuit pr</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 $\&\pm90^\circ$ rotation, in relation to normal vertical mounting plane			
fastening method			Contactor mounting		
height	<u> </u>		64 mi	64 mm	
width			44 mi	44 mm	
depth		92 mm			
Connections/ Terminals					
type of electrical conn	ection				
• for main current of	for main current circuit			screw-type terminals	
• for auxiliary and o	for auxiliary and control circuit		screw-type terminals		
type of connectable con	ductor cross-sections for	main contacts			
<ul> <li>solid or stranded</li> </ul>	solid or stranded		1x (1 6 mm²)		
<ul> <li>finely stranded wi</li> </ul>	ith core end processing		1x (1 10 mm²)		
type of connectable conductor cross-sections for auxiliary contacts					
solid or stranded		1x (1 4 mm²)			
<ul> <li>finely stranded with core end processing</li> </ul>			1x (1 4 mm²)		
tightening torque					
<ul> <li>for main contacts with screw-type terminals</li> </ul>		1.85 N·m			
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>		1.2 N·m			
design of the thread of	f the connection screw				
for main contacts		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					
display version for switching status		Trip indicator			
Approvals Certificates					
General Product Approval	Test Certificates	other		Environment	



Type Test Certificates/Test Report

Confirmation

Environmental Confirmations

## 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=3MU7110-0NA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0NA0

 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$ 

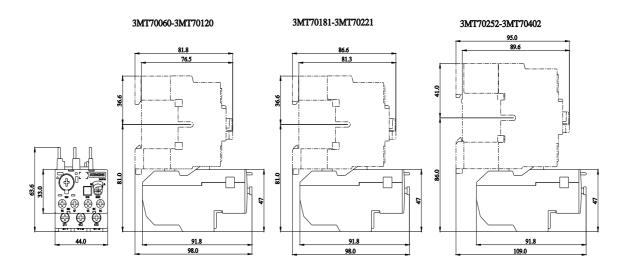
https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0NA0

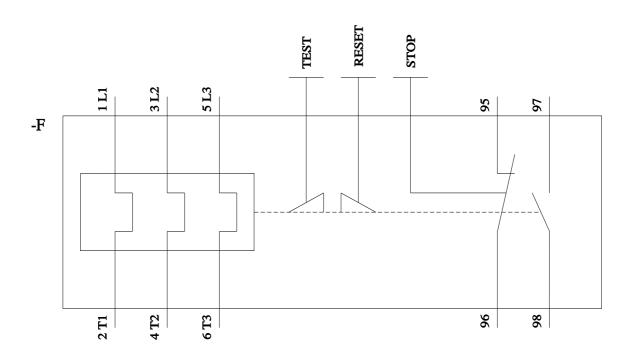
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3MU7110-0NA0&lang=en

Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0NA0/char





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