SIEMENS

Data sheet 3MU7110-0JA0



Thermal overload relay RANGE 2.5-4A 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	4 A			
operational current at AC-3 at 400 V rated value	4 A			
operating power at AC-3				
• at 400 V rated value	1.5 kW			
at 690 V rated value	3 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				

-4.04.1/			4.47			
• at 24 V			4.17			
	• at 110 V		3.64 A			
	• at 690 V		0.7 A			
•	auxiliary contacts at DC	:-13				
• 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 properties assignment 2 requirement 	rotection of the main circuired	it with type of	gG: 10 A, Type-2 co-ordination			
 for short-circuit presented 	for short-circuit protection of the auxiliary switch required		fuse g	fuse gG: 10 A		
Installation/ mounting/ o	dimensions					
mounting position	mounting position		22.5° Inclination forward and backward $\&\pm90^\circ$ rotation, in relation to normal vertical mounting plane			
fastening method			Conta	Contactor mounting		
height			64 mr	64 mm		
width			44 mr	n		
depth			92 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 	solid or stranded		1x (1 6 mm²)			
 finely stranded w 	ith core end processing		1x (1	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 ar 	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						
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=3MU7110-0JA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0JA0

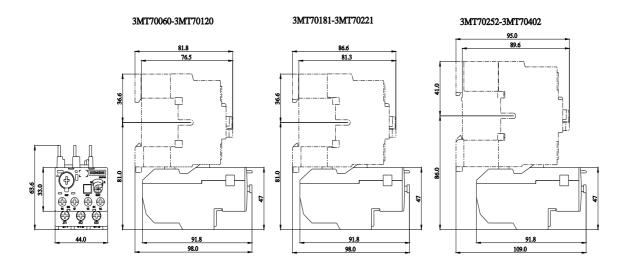
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

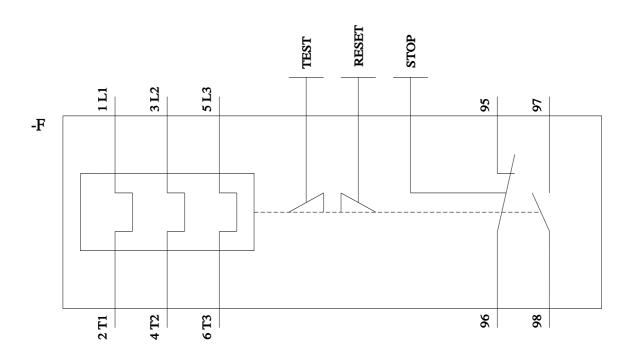
https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0JA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MU7110-0JA0&lang=en

nttp://www.automation.siemens.com/bildub/cax_de.aspx?milb=sido7110-03A0αiang=en

Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3MLI7110-0.IA0/cb.





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