SIEMENS

Data sheet 3MU7110-0KA0



Thermal overload relay RANGE 4-6A 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	6 A		
operational current at AC-3 at 400 V rated value	6 A		
operating power at AC-3			
 at 400 V rated value 	2.2 kW		
• at 690 V rated value	4 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	0.2 A	
Short-circuit protection					
design of the fuse link					
 for short-circuit prassignment 2 requi 	rotection of the main circured	it with type of	gG: 16 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	44 mm	
depth	depth		92 mm		
Connections/ Terminals					
type of electrical conn	ection				
• for main current of	circuit		screw-type terminals		
 for auxiliary and of 	control circuit		screw	screw-type terminals	
type of connectable con	ductor cross-sections for	main contacts			
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 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=3MU7110-0KA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0KA0

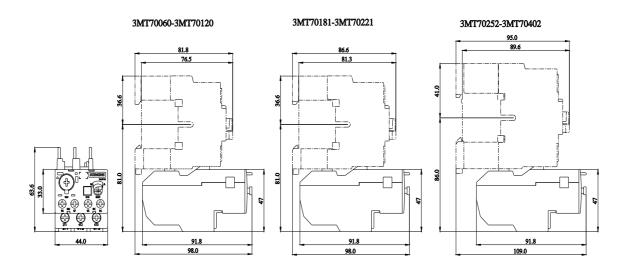
 ${\bf Service \& Support\ (Manuals,\ Certificates,\ Characteristics,\ FAQs,...)}$

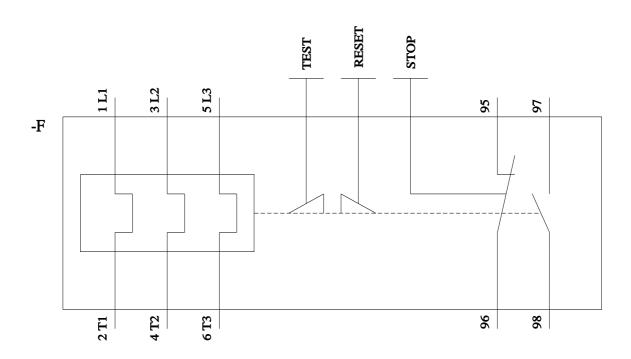
https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0KA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MU7110-0KA0&lang=en

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Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0KA0/cha





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